

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

Post-Effective Amendment No. 1  
to

**FORM F-3**

REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933

**Canaan Inc.**

(Exact name of Registrant as specified in its charter)

**Not Applicable**

(Translation of Registrant's name into English)

**Cayman Islands**  
(State or other jurisdiction of  
incorporation or organization)

**Not Applicable**  
(I.R.S. Employer  
Identification Number)

28 Ayer Rajah Crescent  
#06-08

Singapore 139959

(Address and telephone number of Registrant's principal executive offices)

**Cogency Global Inc.**

122 East 42nd Street, 18th Floor

New York, New York 10168

+1-212-947-7200

(Name, address, and telephone number of agent for service)

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**Approximate date of commencement of proposed sale to the public:  
From time to time after the effective date of this registration statement.**

If only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.C. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.C. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933.

Emerging growth company

If an emerging growth company that prepares its financial statements in accordance with U.S. GAAP, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards† provided pursuant to Section 7(a)(2)(B) of the Securities Act

† The term "new or revised financial accounting standard" refers to any update issued by the Financial Accounting Standards Board to its Accounting Standards Codification after April 5, 2012.

**EXPLANATORY NOTE**

This Post-Effective Amendment No. 1 to the Registration Statement on Form F-3 (Commission File No. 333-255470), or the Registration Statement, of Canaan Inc., or the Registrant, is being filed because the Registrant expects that it will cease to be a well-known seasoned issuer (as such term is defined in Rule 405 of the Securities Act of 1933, as amended) upon filing its Annual Report on Form 20-F for the fiscal year ended December 31, 2022. This Post-Effective Amendment No. 1 includes disclosure required for a registrant other than a well-known seasoned issuer and makes certain other amendments.

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## PROSPECTUS



US\$148,000,000

**Class A Ordinary Shares  
Preferred Shares  
Warrants  
Subscription Rights Units**

We may offer Class A ordinary shares, par value \$0.00000005 per share, including Class A ordinary shares represented by American depository shares, or ADSs, with each ADS representing 15 Class A ordinary shares, preferred shares, warrants, subscription rights and/or units from time to time.

We will provide specific terms of any offered securities and offering in a supplement to this prospectus. Any prospectus supplement may also add, update, or change information contained in this prospectus. You should carefully read this prospectus and the applicable prospectus supplement as well as the documents incorporated or deemed to be incorporated by reference in this prospectus before you purchase any of the securities offered hereby.

These securities may be offered and sold in the same offering or in separate offerings; to or through underwriters, dealers, and agents; or directly to purchasers. The names of any underwriters, dealers, or agents involved in the sale of our securities, their compensation and any over-allotment options held by them will be described in the applicable prospectus supplement. For a more complete description of the plan of distribution of these securities, see the section entitled “Plan of Distribution” beginning on page 33 of this prospectus.

The ADSs are listed on the NASDAQ Global Market under the symbol “CAN.” On April 18, 2023, the last reported sale price of the ADSs on the NASDAQ Global Market was US\$2.91 per ADS.

Our issued and outstanding share capital consists of Class A ordinary shares and Class B ordinary shares. Holders of Class A ordinary shares and Class B ordinary shares have the same rights except for voting and conversion rights. In respect of matters requiring a shareholder vote, each Class A ordinary share will be entitled to one vote and each Class B ordinary share will be entitled to 15 votes. Each Class B ordinary share is convertible into one class A ordinary share at any time by the holder thereof. Class A ordinary shares are not convertible into Class B ordinary shares under any circumstances. See “Description of Share Capital.”

We are a Cayman Islands holding company and conduct all of our operations through our operating subsidiaries. Investors in the ADSs are not purchasing equity securities of our operating subsidiaries but instead are purchasing equity securities of a Cayman Islands holding company. We face various legal and operational risks and uncertainties associated with being based in or having a portion of our operations in China and the complex and evolving PRC laws and regulations. For example, we face risks associated with regulatory approvals on offerings conducted overseas and foreign investment in China-based issuers, anti-monopoly regulatory actions, regulatory actions for virtual currency-related business activities and mining activities and oversight on cybersecurity and data privacy, which may negatively impact our ability to conduct certain businesses, access foreign investments, or list on foreign stock exchange. These risks could result in a material adverse change in our operations and the value of our ADSs, significantly limit or completely hinder our ability to offer or continue to offer securities to investors, or cause the value of such securities to significantly decline or become worthless. For a detailed description of risks relating to doing business in China, see “Item 3. Key Information — 3.D. Risk Factors — Risks Relating to Doing Business in the PRC.” in our [annual report on Form 20-F for the year ended December 31, 2021](#), which is incorporated by reference in this prospectus.

Our auditors, KPMG Huazhen LLP and PricewaterhouseCoopers Zhong Tian LLP are independent registered public accounting firms that issue the audit reports included elsewhere in this prospectus. Our securities will be prohibited from trading on a national securities exchange or in the over-the-counter trading market in the United States under the Holding Foreign Companies Accountable Act, or the HFCAA, if the Securities and Exchange Commission determines that Canaan has filed audit reports issued by a registered public accounting firm that has not been subject to inspections by the PCAOB for two consecutive years. On December 16, 2021, the PCAOB issued a report to notify the SEC of its determination that the PCAOB was unable to inspect or investigate completely registered public accounting firms headquartered in mainland China and Hong Kong and our auditors were subject to this determination. Consequently, we were conclusively identified as a “Commission-Identified Issuer” on May 4, 2022. On December 15, 2022, the PCAOB announced that it was able to secure complete access to inspect and investigate PCAOB-registered public accounting firms headquartered in mainland China and HongKong in 2022. Each year, the PCAOB will determine whether it can inspect and investigate completely audit firms in mainland China and HongKong, among other jurisdictions. If the PCAOB determines in the future that it no longer has full access to inspect and investigate completely accounting firms in mainland China and Hong Kong and we use an accounting firm headquartered in one of these jurisdictions to issue an audit report on its financial statements filed with the SEC, we would be identified as a Commission-Identified Issuer following the filing of the annual report on Form 20-F for the relevant fiscal year. In accordance with the HFCAA, our securities would be prohibited from being traded on a national securities exchange or in the over-the-counter trading market in the United States if it is identified as a Commission-Identified Issuer for two consecutive years in the future. If our securities are prohibited from trading in the United States, there is no certainty that we will be able to list on a non-U.S. exchange or that a market for our securities will develop outside of the United States. In the event of such prohibition, the Nasdaq may determine to delist our securities. The delisting of our securities, or the threat of their being delisted, may materially and adversely affect the value of your investment. See “Item 3. Key Information — 3.D. Risk Factors-Risks Relating to Doing Business in the PRC-Our ADSs may be delisted under the Holding Foreign Companies Accountable Act if the PCAOB is unable to inspect auditors who are located in China. The delisting of our ADSs, or the threat of their being delisted, may materially and adversely affect the value of your investment.” in our [annual report on Form 20-F for the year ended December 31, 2021](#), which is incorporated by reference in this prospectus.

**Investing in these securities involves risks. See the “Risk Factors” section contained in the applicable prospectus supplement and the documents we incorporate by reference in this prospectus to read about factors you should consider before investing in our securities.**

This prospectus may not be used to offer or sell any securities unless accompanied by a prospectus supplement.

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of securities or passed upon the accuracy or adequacy of the disclosures in this prospectus, including any prospectus supplement and documents incorporated by reference. Any representation to the contrary is a criminal offense.**

The date of this prospectus is April 19, 2023

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## ABOUT THIS PROSPECTUS

This prospectus is part of a shelf registration statement that we filed with the Securities and Exchange Commission, or the SEC. By using a shelf registration statement, we may, at any time and from time to time, offer and sell up to an aggregate of US\$148,000,000 of the securities as described in this prospectus in one or more offerings. We may also add, update or change information contained in this prospectus by means of a prospectus supplement or by incorporating by reference information that we file or furnish to the SEC. As allowed by the SEC rules, this prospectus and any accompanying prospectus supplement do not contain all of the information included in the registration statement. For further information, we refer you to the registration statement, including its exhibits. Statements contained in this prospectus or the prospectus supplement about the provisions or contents of any agreement or other document are not necessarily complete. If the SEC's rules and regulations require that an agreement or document be filed as an exhibit to the registration statement, please see that agreement or document for a complete description of these matters.

You should carefully read this document and any applicable prospectus supplement. You should also read the documents we have referred you to under "Where You Can Find More Information About Us" and "Incorporation of Documents by Reference" below for information on our company, the risks we face and our financial statements. The registration statement and exhibits can be read on the SEC's website as described under "Where You Can Find More Information About Us."

In this prospectus, unless otherwise indicated or unless the context otherwise requires, references to:

- "ADRs" are to the American depositary receipts that evidence our ADSs;
- "ADSs" are to our American depositary shares, each of which represents 15 Class A ordinary shares, par value US\$0.00000005 each;
- "AI" are to artificial intelligence;
- "ASICs" are to application-specific ICs, meaning ICs designed for a specific application;
- "China" or the "PRC" are to the People's Republic of China, excluding, for the purposes of this prospectus only, Taiwan, the Hong Kong Special Administrative Region and the Macao Special Administrative Region;
- "edge computing" are to a method of optimizing cloud computing systems by performing data processing at the edge of the network, near the source of the data;
- "ICs" or "chips" are to integrated circuits;
- "neural-network accelerator" are to a class of microprocessor designed as hardware acceleration for AI applications;
- "operating subsidiaries" are to Canaan Creative (HK) Holdings Limited, Canaan Creative International PTE. Ltd. and our PRC operating subsidiaries.
- "PRC operating subsidiaries" are to Hangzhou Canaan Intelligence Information Technology Co., Ltd., Canaan Creative Co., Ltd., Langfang Creative Technology Co., Ltd., Canaan Convey Co., Ltd., Zhejiang Avalon Technology Co., Ltd., Canaan Bright Sight Co., Ltd., Hangzhou Canaan Chuangxin Technology Co., Ltd., and Canaan Creative (SH) Co., Ltd.
- "PRC subsidiaries" are to PRC operating subsidiaries, Hangzhou Ruihong Technology Co., Ltd., and Hangzhou Canaan Blockchain Technology Co., Ltd.
- "Risc-V" are to an open source instruction set architecture, which is a set of instructions that describes the way in which software talks to an underlying processor, and Risc-V's open source nature means that anyone can build a processor to support it without paying high royalty fees;
- "RMB" or "Renminbi" are to the legal currency of China;
- "US\$", "U.S. dollars," "\$," and "dollars" are to the legal currency of the United States; and
- "we," "us," "our company," "our" and "Canaan" are to Canaan Inc., its subsidiaries and its consolidated affiliated entities, as the context requires.

**FORWARD-LOOKING STATEMENTS**

This prospectus and the documents incorporated by reference herein contain statements of a forward-looking nature. All statements other than statements of historical facts are forward-looking statements. These forward-looking statements are made under the “safe harbor” provision under Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act, and as defined in the Private Securities Litigation Reform Act of 1995. These statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from those expressed or implied by the forward-looking statements. In some cases, these forward-looking statements can be identified by words or phrases such as “may,” “will,” “expect,” “anticipate,” “aim,” “estimate,” “intend,” “plan,” “believe,” “potential,” “continue,” “is/are likely to” or other similar expressions. These forward-looking statements relate to, among others:

- our goals and strategies;
- our expansion plans;
- our future business development, financial condition and results of operations;
- changes in government policies and regulations
- our expectations regarding demand for, and market acceptance of, our products;
- general economic and business conditions; and
- other risk factors discussed under “Risk Factors”.

We have based these forward-looking statements largely on our current expectations and projections about future events and financial trends that we believe may affect our financial condition, results of operations, business strategy and financial needs.

You should read these statements in conjunction with the risks discussed under the heading “Risk Factors” included in the applicable prospectus supplement or under similar headings in other documents which are incorporated by reference in this prospectus. Moreover, we operate in an emerging and evolving environment. New risks may emerge from time to time, and it is not possible for our management to predict all risks, nor can we assess the impact of such risks on our business or the extent to which any risk, or combination of risks, may cause actual results to differ materially from those contained in any forward-looking statements. The forward-looking statements made in this prospectus and the documents incorporated by reference herein relate only to events or information as of the date on which the statements are made in this prospectus and such incorporated documents. Except as required by law, we undertake no obligation to update any forward-looking statements to reflect events or circumstances after the date on which the statements are made or to reflect the occurrence of unanticipated events. You should read this prospectus and the documents incorporated by reference herein and have filed as exhibits to this prospectus and the incorporated documents, completely and with the understanding that our actual future results may be materially different from what we expect.

## OUR COMPANY

We provide supercomputing solutions through our proprietary high performance computing ASICs. We have strong ASIC chip design capability underpinned by over nine years of industry experience and expertise of our founders and management team. We are one of the few fabless IC design companies with the advanced technology to independently design ASIC, established access to leading wafer foundry capacity and proven in-house capability to produce Bitcoin mining machines. We primarily dedicated technology and expertise in ASIC applications to Bitcoin mining machines and are a leading producer of Bitcoin mining machines in the global market. In addition, with our technology expertise and know-how in ASIC chip design, we strive to expand into AI fields and provide holistic AI solutions to our customers. Our PRC operating subsidiaries have delivered commercial edge computing AI chips based on Risc-V architecture and self-developed neural-network accelerator with outstanding performance. We believe our extensive experience and expertise in ASIC applications position us well in our future endeavors.

## CORPORATE INFORMATION

Our principal executive offices are located at 28 Ayer Rajah Crescent, #06-08, Singapore 139959. Our telephone number at this address is +65 6305 6618. Our registered office in the Cayman Islands is located at the offices of Sertus Chambers, Suite #5-204, 23 Lime Tree Bay Avenue, P.O. Box 2547, Grand Cayman, KY1-1104, Cayman Islands. Our agent for service of process in the United States is Cogency Global Inc., located at 122 East 42nd Street, 18th Floor, New York, New York 10168.

The SEC maintains an internet site that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC at [www.sec.gov](http://www.sec.gov). You can also find information on our website at [www.canaan-creative.com](http://www.canaan-creative.com). The information contained on our website is not a part of this prospectus.

As a foreign private issuer, we are exempt under the Exchange Act from, among other things, the rules prescribing the furnishing and content of proxy statements, and our executive officers, directors and principal shareholders are exempt from the reporting and short-swing profit recovery provisions contained in Section 16 of the Exchange Act. In addition, we will not be required under the Exchange Act to file periodic reports and financial statements with the SEC as frequently or as promptly as U.S. companies whose securities are registered under the Exchange Act. However, we intend to furnish the depositary with our annual reports, which will include a review of operations and annual audited consolidated financial statements prepared in conformity with U.S. GAAP, and all notices of shareholders' meeting and other reports and communications that are made generally available to our shareholders. The depositary will make such notices, reports and communications available to holders of ADSs and will mail to all record holders of ADSs the information contained in any notice of a shareholders' meeting received by the depositary from us.

**RISK FACTORS**

Any investment in our securities involves a high degree of risk. You should carefully consider the risk factors discussed or incorporated by reference in the applicable prospectus supplement, together with all the other information contained in the prospectus supplement or incorporated by reference in this prospectus. You should also consider the risks and uncertainties discussed under the heading “Risk Factors” in our [annual report on Form 20-F for the fiscal year ended December 31, 2021](#), which is incorporated by reference in this prospectus, and which may be amended, supplemented or superseded from time to time by other reports we file with the SEC in the future.



**USE OF PROCEEDS**

We intend to use the net proceeds from the sale of the securities we offer as set forth in the applicable prospectus supplement(s).

## DESCRIPTION OF SHARE CAPITAL

We are an exempted company incorporated in the Cayman Islands with limited liability and our affairs are governed by our memorandum and articles of association, and the Companies Act of the Cayman Islands, as amended, which we refer to as the Cayman Companies Act, and the common law of the Cayman Islands.

As of the date of this prospectus, our authorized share capital was US\$50,000 divided into 999,643,375,556 Class A ordinary shares of per value US\$0.00000005 each and 356,624,444 Class B ordinary shares of par value US\$0.00000005 each.

As of the date of this prospectus, we have 2,515,497,333 Class A ordinary shares and 311,624,444 Class B ordinary shares issued and outstanding.

The following are summaries of certain material provisions of our amended and restated memorandum and articles of association adopted by special resolution passed on October 8, 2019 and effective immediately prior to the completion of the initial public offering of our ADSs representing our Class A ordinary shares, or our articles of association and the Cayman Companies Act insofar as they relate to the material terms of our ordinary shares. The following summary is not complete, and you should read our amended and restated memorandum and articles of association, a form of which was filed with the SEC as Exhibit 3.2 to the registration statement on Form F-1 (File No. 333-234356), originally filed on October 28, 2019, as amended.

### Ordinary Shares

#### *General*

All of our issued and outstanding ordinary shares are fully paid and non-assessable. Our ordinary shares are divided into Class A ordinary shares and Class B ordinary shares. Holders of our Class A ordinary shares and Class B ordinary shares will have the same rights except for voting and conversion rights. Each Class A Ordinary Share shall entitle the holder thereof to one vote on all matters subject to vote at our general meetings, and each Class B ordinary share shall entitle the holder thereof to 15 votes on all matters subject to vote at our general meetings. Our ordinary shares are issued in registered form, and are issued when registered in our register of shareholders. Our shareholders who are non-residents of the Cayman Islands may freely hold and vote their ordinary shares. We may not issue shares to bearer.

#### *Conversion*

Each Class B ordinary share is convertible into one Class A ordinary share at any time at the option of the holder thereof. Class A ordinary shares are not convertible into Class B ordinary shares under any circumstances. Pursuant to our articles of association, upon any sale, transfer, assignment or disposition of any Class B ordinary share by a holder thereof to any person who is not an affiliate of such holder, or upon a change of ultimate beneficial ownership of any Class B ordinary share to any person who is not an affiliate of the registered shareholder of such Class B ordinary share, such Class B ordinary share shall be automatically and immediately converted into the same number of Class A ordinary share. For this purpose, beneficial ownership shall have the meaning set forth in Rule 13d-3 under the United States Securities Exchange Act of 1934, as amended.

An "affiliate" for the purposes of our articles of association means in respect of a person, any other person that, directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with, such person, and (i) in the case of a natural person, shall include, without limitation, such person's spouse, parents, children, siblings, mother-in-law, father-in-law, brothers-in-law and sisters-in-law, a trust for the benefit of any of the foregoing, and a corporation, partnership or any other entity wholly or jointly owned by any of the foregoing, and (ii) in the case of an entity, shall include a partnership, a corporation or any other entity or any natural person which directly, or indirectly through one or more intermediaries, controls, is controlled by, or is under common control with, such entity. The term "control" shall mean the ownership, directly or indirectly, of shares possessing more than fifty per cent (50%) of the voting power of the corporation, partnership or other entity (other than, in the case of a corporation, securities having such power only by reason of the happening of a contingency), or having the power to control the

management or elect a majority of members to the board of directors or equivalent decision-making body of such corporation, partnership or other entity.

A “person” for the purposes of our articles of association means any natural person, firm, company, joint venture, partnership, corporation, association or other entity (whether or not having a separate legal personality) or any of them as the context so requires.

For the avoidance of doubt, on the transmission of shares following the death of a holder of Class B ordinary shares, such Class B ordinary shares will not automatically convert into the same number of Class A ordinary shares unless such transmission of shares results in a change in ultimate beneficial ownership of such Class B ordinary share(s) to any person who is not an affiliate of the relevant holder of Class B ordinary shares.

#### ***Dividends***

The holders of our ordinary shares are entitled to such dividends as may be declared by our board of directors. In addition, our shareholders may declare dividends by ordinary resolution, but no dividend shall exceed the amount recommended by our directors. Under the laws of the Cayman Islands, our company may pay a dividend out of either profit or share premium account, provided that in no circumstances may a dividend be paid if this would result in our company being unable to pay its debts as they fall due in the ordinary course of business.

#### ***Voting Rights***

Our authorized share capital consists of Class A ordinary shares and Class B ordinary shares. Holders of our Class A ordinary shares and our Class B ordinary shares shall, at all times, vote together as one class on all matters submitted to a vote by our shareholders at any general meeting of our company. Each Class A ordinary share shall be entitled to one vote, and each Class B ordinary share shall be entitled to 15 votes, on all matters subject to a vote at general meetings of our company.

Voting at any meeting of shareholders is by a show of hands, unless a poll is (before or on the declaration of the result of the show of hands) demanded by the chairman of the meeting or any shareholder present in person or by proxy of the Company entitled to vote, and, unless a poll is so demanded, a declaration by the chairman of the meeting that a resolution has, on a show of hands, been carried or carried unanimously, or by a particular majority, or lost and an entry to that effect in the minutes of the proceedings of the Company, shall be conclusive evidence of the fact, without proof of the number or proportion of the votes recorded in favor of, or against that resolution.

#### ***Transfer of Shares***

Any of our shareholders may transfer all or any of his or her ordinary shares by an instrument of transfer in any usual or common form or any other form approved by our board of directors, executed by or on behalf of the transferor.

Our board of directors may, in its absolute discretion, decline to register any transfer of any ordinary share that has not been fully paid up or is subject to a company lien. Our board of directors may also decline to register any transfer of any ordinary share unless:

- the instrument of transfer is lodged with us, accompanied by the certificate for the ordinary shares to which it relates and such other evidence as our board of directors may reasonably require to show the right of the transferor to make the transfer;
- the instrument of transfer is in respect of only one class of ordinary shares;
- the instrument of transfer is properly stamped, if required;
- the ordinary share transferred is fully paid and free of any lien in favor of us;
- any fee related to the transfer has been paid to us; and
- in the case of any transfer to joint holders, the transfer is not to more than four joint holders.

***Winding Up***

On the winding up of our company, if the assets available for distribution amongst our shareholders shall be more than sufficient to repay the whole of the share capital at the commencement of the winding up, the surplus shall be distributed amongst our shareholders in proportion to the par value of the shares held by them at the commencement of the winding up, subject to a deduction from those shares in respect of which there are monies due, of all monies payable to our company for unpaid calls or otherwise. If our assets available for distribution are insufficient to repay the whole of the share capital, such assets will be distributed so that, as nearly as may be, the losses are borne by our shareholders in proportion to the par value of the shares held by them.

The liquidator may, with the sanction of a special resolution of our shareholders, divide amongst the shareholders in species or in kind the whole or any part of the assets of our company, and may for such purpose set such value as the liquidator deems fair upon any property to be divided as aforesaid and may determine how the division shall be carried out as between our shareholders or different classes of shareholders.

We are an exempted company with limited liability incorporated under the Cayman Companies Act, and under the Cayman Companies Act, the liability of our shareholders is limited to the amount, if any, unpaid on the shares respectively held by them. Our memorandum of association contains a declaration that the liability of our members is so limited.

***Redemption, Repurchase and Surrender of Ordinary Shares***

We may issue shares on terms that such shares are subject to redemption, at our option or at the option of the holders thereof, on such terms and in such manner as may be determined, before the issue of such shares, by our board of directors or by our shareholders by special resolution. Our company may also repurchase any of our shares (including any redeemable shares) in such manner and terms as been approved by our board of directors or by ordinary resolution of our shareholders, or as otherwise authorized by our articles of association. Under the Cayman Companies Act, the redemption or repurchase of any share may be paid out of our company's profits or out of the proceeds of a new issue of shares made for the purpose of such redemption or repurchase, or out of capital (including share premium account and capital redemption reserve) if our company can, immediately following such payment, pay its debts as they fall due in the ordinary course of business. In addition, under the Cayman Companies Act no such share may be redeemed or repurchased (a) unless it is fully paid up, (b) if such redemption or repurchase would result in there being no shares outstanding or (c) if the company has commenced liquidation. In addition, our company may accept the surrender of any fully paid share for no consideration.

***Calls on Ordinary Shares and Forfeiture of Ordinary Shares***

Our board of directors may from time to time make calls upon shareholders (or any of them) for any amounts unpaid on their ordinary shares in a notice served to such shareholders at least 14 calendar days prior to the specified time and place of payment. The ordinary shares that have been called upon and remain unpaid are subject to forfeiture.

***General Meetings of Shareholders***

As a Cayman Islands exempted company, we are not obliged by the Cayman Companies Act to call shareholders' annual general meetings. Our articles of association provide that we may (but are not obliged to) in each year hold a general meeting as our annual general meeting in which case we shall specify the meeting as such in the notices calling it, and the annual general meeting shall be held at such time and place as may be determined by our directors.

Shareholders' general meetings may be convened by a majority of our board of directors or by our chairman. Advance notice of at least ten calendar days is required for the convening of our annual general shareholders' meeting (if any) and any other general meeting of our shareholders. A quorum required for any general meeting of shareholders consists of at least one shareholder present or by proxy, representing not less than one-third of all votes attaching to the total issued voting shares in our company.

The Cayman Companies Act provides shareholders with only limited rights to requisition a general meeting, and does not provide shareholders with any right to put any proposal before a general meeting. However, these rights may be provided in a company's articles of association. Our articles of association provide that upon the requisition of shareholders representing in aggregate not less than one-third of the votes attaching to the issued and outstanding shares of our company entitled to vote at general meetings, our board will convene an extraordinary general meeting and put the resolutions so requisitioned to a vote at such meeting. However, our articles of association do not provide our shareholders with any right to put any proposals before annual general meetings or extraordinary general meetings not called by such shareholders.

#### ***Proceedings of Board of Directors***

Our articles of association provide that subject to the Cayman Companies Act, our articles of association and to any resolutions passed in a general meeting of our company, our business is to be managed and conducted by our board of directors. The quorum necessary for board meetings may be fixed by the board and, unless so fixed at another number, will be a majority of the directors.

Our articles of association provide that the board may from time to time at its discretion exercise all powers of our company to raise capital or borrow money, to mortgage or charge all or any part of the undertaking, property and assets (present and future) and uncalled capital of our company and issue debentures, bonds and other securities of our company, whether outright or as collateral security for any debt, liability or obligation of our company or of any third party.

#### ***Changes in Capital***

Our shareholders may from time to time by ordinary resolution:

- increase our share capital by such sum, to be divided into shares of such classes and amount, as the resolution shall prescribe;
- consolidate and divide all or any of our share capital into shares of a larger amount than our existing shares;
- sub-divide our existing shares, or any of them, into shares of a smaller amount; or
- cancel any shares which, at the date of the passing of the resolution, have not been taken or agreed to be taken by any person and diminish the amount of our share capital by the amount of the shares so canceled.

Our shareholders may by special resolution, subject to confirmation by the Grand Court of the Cayman Islands on an application by our company for an order confirming such reduction, reduce our share capital or any capital redemption reserve in any manner permitted by law.

#### ***Inspection of Books and Records***

Holders of our ordinary shares will have no general right under the Cayman Companies Act to inspect or obtain copies of our list of shareholders or our corporate records (except for our memorandum and articles of association, special resolutions of our shareholders and our register of mortgages and charges). However, we will provide our shareholders with annual audited financial statements. See "Where You Can Find More Information."

#### ***Exempted Company***

We are an exempted company with limited liability duly incorporated and validly existing under the Cayman Companies Act. The Cayman Companies Act distinguishes between ordinary resident companies and exempted companies. Any company that is registered in the Cayman Islands but conducts business mainly outside of the Cayman Islands may apply to be registered as an exempted company. The requirements for an exempted company are essentially the same as for an ordinary company except for the exemptions and privileges listed below:

- an exempted company does not have to file an annual return of its shareholders with the Registrar of Companies of the Cayman Islands;

- an exempted company's register of members is not open to inspection;
- an exempted company does not have to hold an annual general meeting;
- an exempted company may issue no par value shares;
- an exempted company may obtain an undertaking against the imposition of any future taxation (such undertakings are usually given for 20 years in the first instance);
- an exempted company may register by way of continuation in another jurisdiction and be deregistered in the Cayman Islands;
- an exempted company may register as a limited duration company; and
- an exempted company may register as a segregated portfolio company.

"Limited liability" means that the liability of each shareholder is limited to the amount unpaid by the shareholder on that shareholder's shares of the company (except in exceptional circumstances, such as involving fraud, the establishment of an agency relationship or an illegal or improper purpose or other circumstances in which a court may be prepared to pierce or lift the corporate veil). Upon the closing of this offering, we will be subject to reporting and other informational requirements of the Exchange Act, as applicable to foreign private issuers. We may follow the home country practice for certain corporate governance practices after the closing of this offering which may differ from the Nasdaq Stock Market Rules. The Nasdaq Stock Market Rules require that every company listed on the Nasdaq Global Market hold an annual general meeting of shareholders. In addition, our articles of association allow our directors to call extraordinary general meetings of our shareholders pursuant to the procedures set forth in our articles of association.

#### **Differences in Corporate Law**

The Cayman Companies Act is derived, to a large extent, from the older Companies Acts of England, but does not follow recent statutory enactments in England and accordingly there are significant differences between the Cayman Companies Act and the current Companies Act of England. In addition, the Cayman Companies Act differs from laws applicable to United States corporations and their shareholders. Set forth below is a summary of certain significant differences between the provisions of the Cayman Companies Act applicable to us and the laws applicable to companies incorporated in the State of Delaware.

#### ***Mergers and Similar Arrangements***

The Cayman Companies Act permits mergers and consolidations between the Cayman Islands companies and between the Cayman Islands companies and the non-Cayman Islands companies. For these purposes, (a) "merger" means the merging of two or more constituent companies and the vesting of their undertaking, property and liabilities in one of such companies as the surviving company, and (b) a "consolidation" means the combination of two or more constituent companies into a consolidated company and the vesting of the undertaking, property and liabilities of such companies to the consolidated company. In order to effect such a merger or consolidation, the directors of each constituent company must approve a written plan of merger or consolidation, which must then be authorized by (a) a special resolution of the shareholders of each constituent company, and (b) such other authorization, if any, as may be specified in such constituent company's articles of association. The plan must be filed with the Registrar of Companies of the Cayman Islands together with, among other things, a declaration as to the solvency of the consolidated or surviving company, a list of the assets and liabilities of each constituent company and an undertaking that a copy of the certificate of merger or consolidation will be given to the members and creditors of each constituent company and that notification of the merger or consolidation will be published in the Cayman Islands Gazette. Court approval is not required for a merger or consolidation which is effected in compliance with these statutory procedures.

A merger between a Cayman parent company and its Cayman subsidiary or subsidiaries does not require authorization by a resolution of shareholders of that Cayman subsidiary if a copy of the plan of merger is given to every member of that Cayman subsidiary to be merged unless that member agrees otherwise. For this purpose, a company is a "parent" of a subsidiary if it holds issued shares that together represent at least ninety percent (90%) of the votes at a general meeting of the subsidiary.

The consent of each holder of a fixed or floating security interest of a constituent company is required unless this requirement is waived by a court in the Cayman Islands.

Except in certain limited circumstances, a shareholder of a Cayman Islands constituent company who dissents from the merger or consolidation is entitled to payment of the fair value of his or her shares (which, if not agreed between the parties, will be determined by the Cayman Islands court) upon dissenting from a merger or consolidation, provided the dissenting shareholder complies strictly with the procedures set out in the Cayman Companies Act. The exercise of such dissenter rights will preclude the exercise by the dissenting shareholder of any other rights to which he or she might otherwise be entitled by virtue of holding shares, except for the right to seek relief on the grounds that the merger or consolidation is void or unlawful.

Separate from the statutory provisions relating to mergers and consolidations, the Cayman Companies Act also contain statutory provisions that facilitate the reconstruction and amalgamation of companies by way of schemes of arrangement, provided that the arrangement is approved by (a) 75% in value of the shareholders or class of shareholders, as the case may be, or (b) a majority in number representing 75% in value of the creditors or each class of creditors, as the case may be, with whom the arrangement is to be made, that are, in each case, present and voting either in person or by proxy at a meeting, or meetings, convened for that purpose. The convening of the meeting or meetings and subsequently the arrangement must be sanctioned by the Grand Court of the Cayman Islands. While a dissenting shareholder has the right to express to the court the view that the transaction ought not to be approved, the court can be expected to approve the arrangement if it determines that:

- the statutory provisions as to the required majority vote have been met;
- the shareholders have been fairly represented at the meeting in question and the statutory majority are acting bona fide without coercion of the minority to promote interests adverse to those of the class;
- the arrangement is such that may be reasonably approved by an intelligent and honest man of that class acting in respect of his interest; and
- the arrangement is not one that would more properly be sanctioned under some other provision of the Cayman Companies Act.

The Cayman Companies Act also contains a statutory power of compulsory acquisition which may facilitate the “squeeze out” of dissenting minority shareholder upon a tender offer. When a tender offer is made and accepted by holders of 90% of the shares affected within four months of the offer being made, the offeror may, within a two-month period commencing on the expiration of such four-month period, require the holders of the remaining shares to transfer such shares to the offeror on the terms of the offer. An objection can be made to the Grand Court of the Cayman Islands but this is unlikely to succeed in the case of an offer which has been so approved unless there is evidence of fraud, bad faith or collusion.

If an arrangement and reconstruction by the way of scheme of arrangement is thus approved, or if a tender offer is made and accepted in accordance with the foregoing statutory procedures, a dissenting shareholder would have no rights comparable to appraisal rights, save that objectors to a takeover offer may apply to the Grand Court of the Cayman Islands for various orders that the Grand Court of the Cayman Islands has a broad discretion to make, which would otherwise ordinarily be available to dissenting shareholders of Delaware corporations, providing rights to receive payment in cash for the judicially determined value of the shares.

#### **Shareholders’ Suits**

In principle, we will normally be the proper plaintiff to sue for a wrong done to us as a company and as a general rule, a derivative action may not be brought by a minority shareholder. However, based on English law authorities, which would in all likelihood be of persuasive authority in the Cayman Islands, the Cayman Islands court can be expected to follow and apply the common law principles (namely the rule in *Foss v. Harbottle* and the exceptions thereto) so that a non-controlling shareholder may be permitted to commence a class action against or derivative actions in the name of the company to challenge:

- an act which is illegal or ultra vires with respect to the company and is therefore incapable of ratification by the shareholders;

- an act which, although not ultra vires, requires authorization by a qualified (or special) majority (that is, more than a simple majority) which has not been obtained; and
- an act which constitutes a “fraud on the minority” where the wrongdoers are themselves in control of the company.

#### ***Indemnification of Directors and Executive Officers and Limitation of Liability***

The Cayman Companies Act does not limit the extent to which a company’s memorandum and articles of association may provide for indemnification of officers and directors, except to the extent any such provision may be held by the Cayman Islands courts to be contrary to public policy, such as to provide indemnification against dishonesty, willful default or fraud or the consequences of committing a crime. Our articles of association provide that we shall indemnify our officers and directors against all actions, proceedings, costs, charges, expenses, losses, damages or liabilities incurred or sustained by such directors or officer, other than by reason of such person’s dishonesty, willful default or fraud, in or about the conduct of our company’s business or affairs (including as a result of any mistake of judgment) or in the execution or discharge of his duties, powers, authorities or discretions, including without prejudice to the generality of the foregoing, any costs, expenses, losses or liabilities incurred by such director or officer in defending (whether successfully or otherwise) any civil proceedings concerning our company or its affairs in any court whether in the Cayman Islands or elsewhere. This standard of conduct is generally the same as permitted under the Delaware General Corporation Law for a Delaware corporation. In addition, we intend to enter into indemnification agreements with our directors and executive officers that will provide such persons with additional indemnification beyond that provided in our articles of association.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to our directors, officers or persons controlling us under the foregoing provisions, we have been informed that, in the opinion of the SEC, such indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

#### ***Anti-Takeover Provisions in Our Articles***

Some provisions of our articles of association may discourage, delay or prevent a change in control of our company or management that shareholders may consider favorable, including provisions that authorize our board of directors to issue preferred shares in one or more series and to designate the price, rights, preferences, privileges and restrictions of such preferred shares without any further vote or action by our shareholders.

However, under the Cayman Islands law, our directors may only exercise the rights and powers granted to them under our articles of association, as amended and restated from time to time, for a proper purpose and in what they believe in good faith to be in the best interests of our company.

#### ***Directors’ Fiduciary Duties***

Under Delaware corporate law, a director of a Delaware corporation has a fiduciary duty to the corporation and its shareholders. This duty has two components: the duty of care and the duty of loyalty. The duty of care requires that a director acts in good faith, with the care that an ordinarily prudent person would exercise under similar circumstances. Under this duty, a director must inform himself of, and disclose to shareholders, all material information reasonably available regarding a significant transaction. The duty of loyalty requires that a director acts in a manner he or she reasonably believes to be in the best interests of the corporation. He or she must not use his or her corporate position for personal gain or advantage. This duty prohibits self-dealing by a director and mandates that the best interests of the corporation and its shareholders take precedence over any interest possessed by a director, officer or controlling shareholder and not shared by the shareholders generally. In general, actions of a director are presumed to have been made on an informed basis, in good faith and in the honest belief that the action taken was in the best interests of the corporation. However, this presumption may be rebutted by evidence of a breach of one of the fiduciary duties. Should such evidence be presented concerning a transaction by a director, a director must prove the procedural fairness of the transaction, and that the transaction was of fair value to the corporation.



As a matter of Cayman Islands law, a director of a Cayman Islands company is in the position of a fiduciary with respect to the company and therefore it is considered that he owes the following duties to the company — a duty to act bona fide in good faith in the best interests of the company, a duty not to make a personal profit based on his or her position as director (unless the company permits him to do so), a duty not to put himself in a position where the interests of the company conflict with his or her personal interest or his or her duty to a third party, and a duty to exercise powers for the purpose for which such powers were intended. A director of a Cayman Islands company owes to the company a duty to act with skill and care. It was previously considered that a director need not exhibit in the performance of his or her duties a greater degree of skill than may reasonably be expected from a person of his or her knowledge and experience. However, English and Commonwealth courts have moved towards an objective standard with regard to the required skill and care and these authorities are likely to be followed in the Cayman Islands.

#### ***Shareholder Proposals***

Under the Delaware General Corporation Law, a shareholder has the right to put any proposal before the annual meeting of shareholders, provided it complies with the notice provisions in the governing documents. The Delaware General Corporation Law does not provide shareholders an express right to put any proposal before the annual meeting of shareholders, but in keeping with common law, Delaware corporations generally afford shareholders an opportunity to make proposals and nominations provided that they comply with the notice provisions in the certificate of incorporation or bylaws. A special meeting may be called by the board of directors or any other person authorized to do so in the governing documents, but shareholders may be precluded from calling special meetings.

The Cayman Companies Act provides shareholders with only limited rights to requisition a general meeting, and does not provide shareholders with any right to put any proposal before a general meeting. However, these rights may be provided in a company's articles of association. Our articles of association allow our shareholders holding in aggregate not less than one-third of the votes attaching to the issued and outstanding shares of our company entitled to vote at general meetings to requisition an extraordinary general meeting of our shareholders, in which case our board is obliged to convene an extraordinary general meeting and to put the resolutions so requisitioned to a vote at such meeting. Our articles of association provide no other right to put any proposals before annual general meetings or extraordinary general meetings. As a Cayman Islands exempted company, we are not obligated by law to call shareholders' annual general meetings.

#### ***Cumulative Voting***

Under the Delaware General Corporation Law, cumulative voting for elections of directors is not permitted unless the corporation's certificate of incorporation specifically provides for it. Cumulative voting potentially facilitates the representation of minority shareholders on a board of directors since it permits the minority shareholder to cast all the votes to which the shareholder is entitled on a single director, which increases the shareholder's voting power with respect to electing such director. The Cayman Islands law does not prohibit cumulative voting, but our articles of association do not provide for cumulative voting. As a result, our shareholders are not afforded any fewer protections or rights on this issue than shareholders of a Delaware corporation.

#### ***Removal of Directors***

Under the Delaware General Corporation Law, a director of a corporation with a classified board may be removed only for cause with the approval of a majority of the outstanding shares entitled to vote, unless the certificate of incorporation provides otherwise. Under our articles of association, directors may be removed by ordinary resolution of our shareholders. An appointment of a director may be on terms that the director shall automatically retire from office (unless he has sooner vacated office) at the next or a subsequent annual general meeting or upon any specified event or after any specified period in a written agreement between the company and the director, if any; but no such term shall be implied in the absence of express provision. In addition, a director's office shall be vacated if the director (i) becomes bankrupt or makes any arrangement or composition with his creditors; (ii) dies or is found to be or becomes of unsound mind; (iii) resigns his office by notice in writing to the company; (iv) without special leave of absence from our board of directors, is absent

from three consecutive meetings of the board and the board resolves that his office be vacated or; (v) is removed from office pursuant to any other provisions of our articles of association.

***Transactions with Interested Shareholders***

The Delaware General Corporation Law contains a business combination statute applicable to Delaware public corporations whereby, unless the corporation has specifically elected not to be governed by such statute by amendment to its certificate of incorporation or bylaws that is approved by its shareholders, it is prohibited from engaging in certain business combinations with an “interested shareholder” for three years following the date that such person becomes an interested shareholder. An interested shareholder generally is a person or a group who or which owns or owned 15% or more of the target’s outstanding voting stock or who or which is an affiliate or associate of the corporation and owned 15% or more of the corporation’s outstanding voting stock within the past three years. This has the effect of limiting the ability of a potential acquirer to make a two-tiered bid for the target in which all shareholders would not be treated equally. The statute does not apply if, among other things, prior to the date on which such shareholder becomes an interested shareholder, the board of directors approves either the business combination or the transaction which resulted in the person becoming an interested shareholder. This encourages any potential acquirer of a Delaware corporation to negotiate the terms of any acquisition transaction with the target’s board of directors.

The Cayman Islands law has no comparable statute. As a result, we cannot avail ourselves of the types of protections afforded by the Delaware business combination statute. However, although Cayman Islands law does not regulate transactions between a company and its significant shareholders, the fiduciary duties owed by our directors do require that such transactions must be entered into bona fide in the best interests of the company and for a proper corporate purpose and not with the effect of constituting a fraud on the minority shareholders.

***Restructuring.***

A company may present a petition to the Grand Court of the Cayman Islands for the appointment of a restructuring officer on the grounds that the company:

- (a) is or is likely to become unable to pay its debts; and
- (b) intends to present a compromise or arrangement to its creditors (or classes thereof) either pursuant to the Companies Act, the law of a foreign country or by way of a consensual restructuring.

The Grand Court may, among other things, make an order appointing a restructuring officer upon hearing of such petition, with such powers and to carry out such functions as the court may order. At any time (i) after the presentation of a petition for the appointment of a restructuring officer but before an order for the appointment of a restructuring officer has been made, and (ii) when an order for the appointment of a restructuring officer is made, until such order has been discharged, no suit, action or other proceedings (other than criminal proceedings) shall be proceeded with or commenced against the company, no resolution to wind up the company shall be passed, and no winding up petition may be presented against the company, except with the leave of the court. However, notwithstanding the presentation of a petition for the appointment of a restructuring officer or the appointment of a restructuring officer, a creditor who has security over the whole or part of the assets of the company is entitled to enforce the security without the leave of the court and without reference to the restructuring officer appointed.

***Dissolution; Winding Up***

Under the Delaware General Corporation Law, unless the board of directors approves the proposal to dissolve, dissolution must be approved by shareholders holding 100% of the total voting power of the corporation. Only if the dissolution is initiated by the board of directors may it be approved by a simple majority of the corporation’s outstanding shares. Delaware law allows a Delaware corporation to include in its certificate of incorporation a supermajority voting requirement in connection with dissolutions initiated by the board of directors.

Under the Cayman Companies Act, our company may be wound up by either a special resolution of our shareholders or, if our company is unable to pay its debts as they fall due, by an ordinary resolution of our

shareholders. In addition, a company may be wound up by an order of the courts of the Cayman Islands. The court has authority to order winding up in a number of specified circumstances including where it is, in the opinion of the court, just and equitable to do so.

#### ***Variation of Rights of Shares***

Under the Delaware General Corporation Law, a corporation may vary the rights of a class of shares with the approval of a majority of the outstanding shares of such class, unless the certificate of incorporation provides otherwise. Under our articles of association, if our share capital is divided into more than one class of shares, we may materially and adversely vary the rights attached to any class only with the consent in writing of the holders of not less than two-thirds of the issued shares of that class or with the sanction of an ordinary resolution passed at a separate meeting of the holders of the shares of that class.

#### ***Amendment of Governing Documents***

Under the Delaware General Corporation Law, a corporation's certificate of incorporation may be amended only if adopted and declared advisable by the board of directors and approved by a majority of the outstanding shares entitled to vote, and the bylaws may be amended with the approval of a majority of the outstanding shares entitled to vote and may, if so provided in the certificate of incorporation, also be amended by the board of directors. Under the Cayman Companies Act and our articles of association, our memorandum and articles of association may only be amended by special resolution of our shareholders.

#### ***Rights of Non-Resident or Foreign Shareholders***

There are no limitations imposed by our articles of association on the rights of non-resident or foreign shareholders to hold or exercise voting rights on our shares. In addition, there are no provisions in our articles of association that require the Company to disclose shareholder ownership above any particular ownership threshold.

#### ***Directors' Power to Issue Shares***

Under our articles of association, our board of directors is empowered to issue or allot shares or grant options, restricted shares, RSUs, share appreciation rights, dividend equivalent rights, warrants and analogous equity-based rights with or without preferred, deferred, qualified or other special rights or restrictions. In particular, pursuant to our articles of association, our board of directors has the authority, without further action by the shareholders, to issue all or any part of our capital and to fix the designations, powers, preferences, privileges, and relative participating, optional or special rights and the qualifications, limitations or restrictions therefrom, including dividend rights, conversion rights, voting rights, terms of redemption and liquidation preferences, any or all of which may be greater than the rights of our ordinary shares.

#### ***History of Securities Issuances***

The following is a summary of our securities issuances since our inception.

#### ***Ordinary Shares***

Upon our incorporation in the Cayman Islands in February 2018 in connection with our offshore reorganization, we issued 1,000, 1,000, 1,000 and 1,000 shares to Flueqel Ltd., Ouroboros Ltd., Urknall Ltd. and JPKONG LTD respectfully, for a consideration at a then par value of US\$0.0001 per share on the same day.

In order to reflect the then onshore interest of our various stakeholders in Hangzhou Canaan, our company issued and allotted a total of 1,000,000 shares for a consideration at a then par value of US\$0.0001 per share to the British Virgin Islands companies held by the then shareholders of Hangzhou Canaan based on their relative interests in Hangzhou Canaan.

#### ***Share Repurchase Program***

We announced a share repurchase program approved by our board of directors on September 8, 2020, under which we may repurchase up to US\$10 million worth of our outstanding ADSs and/or Class A ordinary

shares over a period of twelve months. In addition, we announced a new share repurchase program approved by our board of directors on September 20, 2021, under which we may repurchase up to US\$20 million worth of our outstanding ADSs and/or Class A ordinary shares over a period of twelve months. On March 16, 2022, we announced another share repurchase program approved by our board of directors, under which we may repurchase up to US\$100 million worth of our outstanding ADSs and/or Class A ordinary shares over a period of twenty-four months. The repurchases have been through various means, including open market transactions at prevailing market prices, privately negotiated transactions, block trades or any combination thereof. The repurchases have been, and will be, effected in compliance with Rule 10b5-1 and/or Rule 10b-18 under the Exchange Act, and our insider trading policy. The number of ADSs repurchased and the timing of repurchases depends on a number of factors, including, but not limited to, price, trading volume and general market conditions, along with our working capital requirements and general business conditions. As of the date of this prospectus, we have completed the repurchase under the abovementioned share repurchase programs.

### **Share Options**

#### *2018 Share Incentive Plan*

We adopted a share incentive plan in April 2018, or the 2018 Share Incentive Plan, which provided for the grant of restricted ordinary shares. We have granted all 25,812 restricted ordinary shares, before the one-for-2,000 share division, authorized under the 2018 Share Award Scheme. As of the date of this prospectus, after the share division, 51,624,000 restricted ordinary shares exist under the 2018 Share Incentive Plan, out of which 9,244,516 restricted ordinary shares have been canceled due to departing employees, 16,000,000 restricted ordinary shares and 13,928,205 restricted share units have vested in November 2019, 4,002,052 restricted share units have vested on November 21, 2020 and 5,757,945 restricted share units have vested on November 21, 2021, respectively.

#### *Amended and Restated 2018 Share Incentive Plan*

In April 2021, our board of directors approved an amendment to the 2018 Share Incentive Plan, or the Amended and Restated 2018 Share Incentive Plan. Pursuant to the Amended and Restated 2018 Share Incentive Plan, in April 2021 and on every January 1 thereafter during which the 2018 Share Incentive Plan remains in effect, the maximum aggregate number of ordinary shares which may be subject to awards under the 2018 Share Incentive Plan will be automatically increased by 15.0% of the total number of ordinary shares issued and outstanding on December 31 of the preceding calendar year, if and whenever the unallocated ordinary shares which may be issuable under the 2018 Share Incentive Plan account for less than 3% of the then total issued and outstanding ordinary shares. In May and September 2021, our board of directors approved an increase by 94,927,065 ordinary shares and 63,774,885 ordinary shares, representing 4.0% and 2.7% of total issued and outstanding shares at the end of 2021 pursuant to the Amended and Restated 2018 Share Incentive Plan, respectively. As of December 31, 2022, 299,179,140 restricted share units and 114,000,000 share options have been granted under the Amended and Restated 2018 Share Incentive Plan, 154,592,850 restricted share units have vested and 29,338,540 restricted share units have been cancelled due to departing employees.

For additional information, see “Item 6. Directors, Senior Management and Employees — B. Compensation — Share Incentive Plan” in our [annual report on Form 20-F for the fiscal year ended December 31, 2021](#), which is incorporated by reference in this prospectus.

## DESCRIPTION OF AMERICAN DEPOSITARY SHARES

### American Depositary Shares

The Bank of New York Mellon, as depositary, will register and deliver American Depositary Shares, also referred to as ADSs. Each ADS will represent 15 Class A ordinary shares (or a right to receive 15 Class A ordinary shares) deposited with The Hongkong and Shanghai Banking Corporation Limited, as custodian for the depositary in Hong Kong. Each ADS will also represent any other securities, cash or other property that may be held by the depositary. The deposited shares together with any other securities, cash or other property held by the depositary are referred to as the deposited securities. The depositary's office at which the ADSs will be administered and its principal executive office is located at 240 Greenwich Street, New York, New York 10286.

You may hold ADSs either (A) directly (i) by having an American Depositary Receipt, also referred to as an ADR, which is a certificate evidencing a specific number of ADSs, registered in your name, or (ii) by having uncertificated ADSs registered in your name, or (B) indirectly by holding a security entitlement in ADSs through your broker or other financial institution that is a direct or indirect participant in The Depository Trust Company, also called DTC. If you hold ADSs directly, you are a registered ADS holder, also referred to as an ADS holder. This description assumes you are an ADS holder. If you hold the ADSs indirectly, you must rely on the procedures of your broker or other financial institution to assert the rights of ADS holders described in this section. You should consult with your broker or financial institution to find out what those procedures are.

Registered holders of uncertificated ADSs will receive statements from the depositary confirming their holdings.

As an ADS holder, we will not treat you as one of our shareholders and you will not have shareholder rights. Cayman Islands law governs shareholder rights. The depositary will be the holder of the shares underlying your ADSs. As a registered holder of ADSs, you will have ADS holder rights. A deposit agreement among us, the depositary, ADS holders and all other persons indirectly or beneficially holding ADSs sets out ADS holder rights as well as the rights and obligations of the depositary. New York law governs the deposit agreement and the ADSs. The rights of holders of Class A ordinary shares (including Class A ordinary shares represented by ADSs) are governed by the laws of the Cayman Islands.

The following is a summary of the material provisions of the deposit agreement. For more complete information, you should read the entire deposit agreement and the form of ADR. See "Where You Can Find More Information" for directions on how to obtain copies of those documents.

### Dividends and Other Distributions

#### *How will you receive dividends and other distributions on the shares?*

The depositary has agreed to pay or distribute to ADS holders the cash dividends or other distributions it or the custodian receives on shares or other deposited securities, upon payment or deduction of its fees and expenses. You will receive these distributions in proportion to the number of shares your ADSs represent.

**Cash.** The depositary will convert any cash dividend or other cash distribution we pay on the shares into U.S. dollars, if it can do so on a reasonable basis and can transfer the U.S. dollars to the United States. If that is not possible or if any government approval is needed and cannot be obtained, the deposit agreement allows the depositary to distribute the foreign currency only to those ADS holders to whom it is possible to do so. It will hold the foreign currency it cannot convert for the account of the ADS holders who have not been paid. It will not invest the foreign currency and it will not be liable for any interest.

Before making a distribution, any withholding taxes, or other governmental charges that must be paid will be deducted. See "Taxation". The depositary will distribute only whole U.S. dollars and cents and will round fractional cents to the nearest whole cent. *If the exchange rates fluctuate during a time when the depositary cannot convert the foreign currency, you may lose some of the value of the distribution.*

**Shares.** The depositary may distribute additional ADSs representing any shares we distribute as a dividend or free distribution. The depositary will only distribute whole ADSs. It will sell shares which would require it to deliver a fraction of an ADS (or ADSs representing those shares) and distribute the net proceeds in the same way as it does with cash. If the depositary does not distribute additional ADSs, the outstanding ADSs will also represent the new shares. The depositary may sell a portion of the distributed shares (or ADSs representing those shares) sufficient to pay its fees and expenses in connection with that distribution.

**Rights to purchase additional shares.** If we offer holders of our securities any rights to subscribe for additional shares or any other rights, the depositary may (i) exercise those rights on behalf of ADS holders, (ii) distribute those rights to ADS holders or (iii) sell those rights and distribute the net proceeds to ADS holders, in each case after deduction or upon payment of its fees and expenses. To the extent the depositary does not do any of those things, it will allow the rights to lapse. *In that case, you will receive no value for them.* The depositary will exercise or distribute rights only if we ask it to and provide satisfactory assurances to the depositary that it is legal to do so. If the depositary will exercise rights, it will purchase the securities to which the rights relate and distribute those securities or, in the case of shares, new ADSs representing the new shares, to subscribing ADS holders, but only if ADS holders have paid the exercise price to the depositary. U.S. securities laws may restrict the ability of the depositary to distribute rights or ADSs or other securities issued on exercise of rights to all or certain ADS holders, and the securities distributed may be subject to restrictions on transfer.

**Other Distributions.** The depositary will send to ADS holders anything else we distribute on deposited securities by any means it thinks is legal, fair and practical. If it cannot make the distribution in that way, the depositary has a choice. It may decide to sell what we distributed and distribute the net proceeds, in the same way as it does with cash. Or, it may decide to hold what we distributed, in which case ADSs will also represent the newly distributed property. However, the depositary is not required to distribute any securities (other than ADSs) to ADS holders unless it receives satisfactory evidence from us that it is legal to make that distribution. The depositary may sell a portion of the distributed securities or property sufficient to pay its fees and expenses in connection with that distribution. U.S. securities laws may restrict the ability of the depositary to distribute securities to all or certain ADS holders, and the securities distributed may be subject to restrictions on transfer.

The depositary is not responsible if it decides that it is unlawful or impractical to make a distribution available to any ADS holders. We have no obligation to register ADSs, shares, rights or other securities under the Securities Act. We also have no obligation to take any other action to permit the distribution of ADSs, shares, rights or anything else to ADS holders. *This means that you may not receive the distributions we make on our shares or any value for them if it is illegal or impractical for us to make them available to you.*

#### **Deposit, Withdrawal and Cancellation**

##### ***How are ADSs issued?***

The depositary will deliver ADSs if you or your broker deposits shares or evidence of rights to receive shares with the custodian. Upon payment of its fees and expenses and of any taxes or charges, such as stamp taxes or stock transfer taxes or fees, the depositary will register the appropriate number of ADSs in the names you request and will deliver the ADSs to or upon the order of the person or persons that made the deposit.

##### ***How can ADS holders withdraw the deposited securities?***

You may surrender your ADSs to the depositary for the purpose of withdrawal. Upon payment of its fees and expenses and of any taxes or charges, such as stamp taxes or stock transfer taxes or fees, the depositary will deliver the shares and any other deposited securities underlying the ADSs to the ADS holder or a person the ADS holder designates at the office of the custodian. Or, at your request, risk and expense, the depositary will deliver the deposited securities at its office, if feasible. However, the depositary is not required to accept surrender of ADSs to the extent it would require delivery of a fraction of a deposited share or other security. The depositary may charge you a fee and its expenses for instructing the custodian regarding delivery of deposited securities.

***How do ADS holders interchange between certificated ADSs and uncertificated ADSs?***

You may surrender your ADR to the depositary for the purpose of exchanging your ADR for uncertificated ADSs. The depositary will cancel that ADR and will send to the ADS holder a statement confirming that the ADS holder is the registered holder of uncertificated ADSs. Upon receipt by the depositary of a proper instruction from a registered holder of uncertificated ADSs requesting the exchange of uncertificated ADSs for certificated ADSs, the depositary will execute and deliver to the ADS holder an ADR evidencing those ADSs.

**Voting Rights*****How do you vote?***

ADS holders may instruct the depositary how to vote the number of deposited shares their ADSs represent. If we request the depositary to solicit your voting instructions (and we are not required to do so), the depositary will notify you of a shareholders' meeting and send or make voting materials available to you. Those materials will describe the matters to be voted on and explain how ADS holders may instruct the depositary how to vote. For instructions to be valid, they must reach the depositary by a date set by the depositary. The depositary will try, as far as practical, subject to the laws of the Cayman Islands and the provisions of our articles of association or similar documents, to vote or to have its agents vote the shares or other deposited securities as instructed by ADS holders or as described in the following sentence. If we asked the depositary to solicit your instructions at least 45 days before the meeting date but the depositary does not receive voting instructions from you by the specified date and we confirm to the depositary that:

- we wish to receive a proxy to vote uninstructed shares;
- we reasonably do not know of any substantial shareholder opposition to the proxy item(s); and
- the proxy item(s) is not materially adverse to the interests of shareholders,

then the depositary will consider you to have authorized and directed it to give a discretionary proxy to a person designated by us to vote the number of deposited securities represented by your ADSs as to the proxy item(s). If we do not request the depositary to solicit your voting instructions, you can still send voting instructions, and, in that case, the depositary may try to vote as you instruct, but it is not required to do so.

*Except by instructing the depositary as described above, you won't be able to exercise voting rights unless you surrender your ADSs and withdraw the shares. However, you may not know about the meeting enough in advance to withdraw the shares. In any event, the depositary will not exercise any discretion in voting deposited securities and it will only vote or attempt to vote as instructed.*

We cannot assure you that you will receive the voting materials in time to ensure that you can instruct the depositary to vote your shares. In addition, the depositary and its agents are not responsible for failing to carry out voting instructions or for the manner of carrying out voting instructions. *This means that you may not be able to exercise voting rights and there may be nothing you can do if your shares are not voted as you requested.*

In order to give you a reasonable opportunity to instruct the depositary as to the exercise of voting rights relating to Deposited Securities, if we request the Depositary to act, we agree to give the depositary notice of any such meeting and details concerning the matters to be voted upon at least 45 days in advance of the meeting date.

**Fees and Expenses*****Persons depositing or withdrawing shares or ADS holders must pay:***

\$5.00 (or less) per 100 ADSs (or portion of 100 ADSs)

***Persons depositing or withdrawing shares or ADS holders must pay:***

\$.05 (or less) per ADS

A fee equivalent to the fee that would be payable if securities distributed to you had been shares and the shares had been deposited for issuance of ADSs

\$.05 (or less) per ADS per calendar year

Registration or transfer fees

Expenses of the depositary

Taxes and other governmental charges the depositary or the custodian has to pay on any ADSs or shares underlying ADSs, such as stock transfer taxes, stamp duty or withholding taxes

Any charges incurred by the depositary or its agents for servicing the deposited securities

***For:***

Issuance of ADSs, including issuances resulting from a distribution of shares or rights or other property

Cancelation of ADSs for the purpose of withdrawal, including if the deposit agreement terminates

***For:***

Any cash distribution to ADS holders

Distribution of securities distributed to holders of deposited securities (including rights) that are distributed by the depositary to ADS holders

Depositary services

Transfer and registration of shares on our share register to or from the name of the depositary or its agent when you deposit or withdraw shares

Cable (including SWIFT) and facsimile transmissions (when expressly provided in the deposit agreement)

Converting foreign currency to U.S. dollars

As necessary

As necessary

The depositary collects its fees for delivery and surrender of ADSs directly from investors depositing shares or surrendering ADSs for the purpose of withdrawal or from intermediaries acting for them. The depositary collects fees for making distributions to investors by deducting those fees from the amounts distributed or by selling a portion of distributable property to pay the fees. The depositary may collect its annual fee for depositary services by deduction from cash distributions or by directly billing investors or by charging the book-entry system accounts of participants acting for them. The depositary may collect any of its fees by deduction from any cash distribution payable (or by selling a portion of securities or other property distributable) to ADS holders that are obligated to pay those fees. The depositary may generally refuse to provide fee-attracting services until its fees for those services are paid.

From time to time, the depositary may make payments to us to reimburse us for costs and expenses generally arising out of establishment and maintenance of the ADS program, waive fees and expenses for services provided to us by the depositary or share revenue from the fees collected from ADS holders. In performing its duties under the deposit agreement, the depositary may use brokers, dealers, foreign currency dealers or other service providers that are owned by or affiliated with the depositary and that may earn or share fees, spreads or commissions.

The depositary may convert currency itself or through any of its affiliates and, in those cases, acts as principal for its own account and not as agent, advisor, broker or fiduciary on behalf of any other person and



earns revenue, including, without limitation, transaction spreads, that it will retain for its own account. The revenue is based on, among other things, the difference between the exchange rate assigned to the currency conversion made under the deposit agreement and the rate that the depositary or its affiliate receives when buying or selling foreign currency for its own account. The depositary makes no representation that the exchange rate used or obtained in any currency conversion under the deposit agreement will be the most favorable rate that could be obtained at the time or that the method by which that rate will be determined will be the most favorable to ADS holders, subject to the depositary's obligations under the deposit agreement. The methodology used to determine exchange rates used in currency conversions is available upon request.

#### **Payment of Taxes**

You will be responsible for any taxes or other governmental charges payable on your ADSs or on the deposited securities represented by any of your ADSs. The depositary may refuse to register any transfer of your ADSs or allow you to withdraw the deposited securities represented by your ADSs until those taxes or other charges are paid. It may apply payments owed to you or sell deposited securities represented by your ADSs to pay any taxes owed and you will remain liable for any deficiency. If the depositary sells deposited securities, it will, if appropriate, reduce the number of ADSs to reflect the sale and pay to ADS holders any proceeds, or send to ADS holders any property, remaining after it has paid the taxes.

#### **Tender and Exchange Offers; Redemption, Replacement or Cancellation of Deposited Securities**

The depositary will not tender deposited securities in any voluntary tender or exchange offer unless instructed to do so by an ADS holder surrendering ADSs and subject to any conditions or procedures the depositary may establish.

If deposited securities are redeemed for cash in a transaction that is mandatory for the depositary as a holder of deposited securities, the depositary will call for surrender of a corresponding number of ADSs and distribute the net redemption money to the holders of called ADSs upon surrender of those ADSs.

If there is any change in the deposited securities such as a sub-division, combination or other reclassification, or any merger, consolidation, recapitalization or reorganization affecting the issuer of deposited securities in which the depositary receives new securities in exchange for or in lieu of the old deposited securities, the depositary will hold those replacement securities as deposited securities under the deposit agreement. However, if the depositary decides it would not be lawful and practical to hold the replacement securities because those securities could not be distributed to ADS holders or for any other reason, the depositary may instead sell the replacement securities and distribute the net proceeds upon surrender of the ADSs.

If there is a replacement of the deposited securities and the depositary will continue to hold the replacement securities, the depositary may distribute new ADSs representing the new deposited securities or ask you to surrender your outstanding ADRs in exchange for new ADRs identifying the new deposited securities.

If there are no deposited securities underlying ADSs, including if the deposited securities are canceled, or if the deposited securities underlying ADSs have become apparently worthless, the depositary may call for surrender of those ADSs or cancel those ADSs upon notice to the ADS holders.

#### **Amendment and Termination**

##### ***How may the deposit agreement be amended?***

We may agree with the depositary to amend the deposit agreement and the ADRs without your consent for any reason. If an amendment adds or increases fees or charges, except for taxes and other governmental charges or expenses of the depositary for registration fees, facsimile costs, delivery charges or similar items, or prejudices a substantial right of ADS holders, it will not become effective for outstanding ADSs until 30 days after the depositary notifies ADS holders of the amendment. *At the time an amendment becomes effective, you are considered, by continuing to hold your ADSs, to agree to the amendment and to be bound by the ADRs and the deposit agreement as amended.*

***How may the deposit agreement be terminated?***

The depositary will initiate termination of the deposit agreement if we instruct it to do so. The depositary may initiate termination of the deposit agreement if

- 60 days have passed since the depositary told us it wants to resign but a successor depositary has not been appointed and accepted its appointment;
- we delist the ADSs from an exchange in the United States on which they were listed and do not list the ADSs on another exchange in the United States or make arrangements for trading of ADSs on the U.S. over-the-counter market;
- we delist our shares from an exchange outside the United States on which they were listed and do not list the shares on another exchange outside the United States;
- the depositary has reason to believe the ADSs have become, or will become, ineligible for registration on Form F-6 under the Securities Act of 1933;
- we appear to be insolvent or enter insolvency proceedings;
- all or substantially all the value of the deposited securities has been distributed either in cash or in the form of securities;
- there are no deposited securities underlying the ADSs or the underlying deposited securities have become apparently worthless; or
- there has been a replacement of deposited securities.

If the deposit agreement will terminate, the depositary will notify ADS holders at least 90 days before the termination date. At any time after the termination date, the depositary may sell the deposited securities. After that, the depositary will hold the money it received on the sale, as well as any other cash it is holding under the deposit agreement, unsegregated and without liability for interest, for the *pro rata* benefit of the ADS holders that have not surrendered their ADSs. Normally, the depositary will sell as soon as practicable after the termination date.

After the termination date and before the depositary sells, ADS holders can still surrender their ADSs and receive delivery of deposited securities, except that the depositary may refuse to accept a surrender for the purpose of withdrawing deposited securities or reverse previously accepted surrenders of that kind that have not settled if it would interfere with the selling process. The depositary may refuse to accept a surrender for the purpose of withdrawing sale proceeds until all the deposited securities have been sold. The depositary will continue to collect distributions on deposited securities, but, after the termination date, the depositary is not required to register any transfer of ADSs or distribute any dividends or other distributions on deposited securities to the ADSs holder (until they surrender their ADSs) or give any notices or perform any other duties under the deposit agreement except as described in this paragraph.

**Limitations on Obligations and Liability*****Limits on our Obligations and the Obligations of the Depositary; Limits on Liability to Holders of ADSs***

The deposit agreement expressly limits our obligations and the obligations of the depositary. It also limits our liability and the liability of the depositary. We and the depositary:

- are only obligated to take the actions specifically set forth in the deposit agreement without negligence or bad faith, and the depositary will not be a fiduciary or have any fiduciary duty to holders of ADSs;
- are not liable if we are or it is prevented or delayed by law or by events or circumstances beyond our or its control from performing our or its obligations under the deposit agreement;
- are not liable if we or it exercises discretion permitted under the deposit agreement;
- are not liable for the inability of any holder of ADSs to benefit from any distribution on deposited securities that is not made available to holders of ADSs under the terms of the deposit agreement, or for any special, consequential or punitive damages for any breach of the terms of the deposit agreement;

- have no obligation to become involved in a lawsuit or other proceeding related to the ADSs or the deposit agreement on your behalf or on behalf of any other person;
- may rely upon any documents we believe or it believes in good faith to be genuine and to have been signed or presented by the proper person;
- are not liable for the acts or omissions of any securities depository, clearing agency or settlement system; and
- the depository has no duty to make any determination or provide any information as to our tax status, or any liability for any tax consequences that may be incurred by ADS holders as a result of owning or holding ADSs or be liable for the inability or failure of an ADS holder to obtain the benefit of a foreign tax credit, reduced rate of withholding or refund of amounts withheld in respect of tax or any other tax benefit.

In the deposit agreement, we and the depository agree to indemnify each other under certain circumstances.

#### **Requirements for Depository Actions**

Before the depository will deliver or register a transfer of ADSs, make a distribution on ADSs, or permit withdrawal of shares, the depository may require:

- payment of stock transfer or other taxes or other governmental charges and transfer or registration fees charged by third parties for the transfer of any shares or other deposited securities;
- satisfactory proof of the identity and genuineness of any signature or other information it deems necessary; and
- compliance with regulations it may establish, from time to time, consistent with the deposit agreement, including presentation of transfer documents.

The depository may refuse to deliver ADSs or register transfers of ADSs when the transfer books of the depository or our transfer books are closed or at any time if the depository or we think it advisable to do so.

#### **Your Right to Receive the Shares Underlying your ADSs**

ADS holders have the right to cancel their ADSs and withdraw the underlying shares at any time except:

- when temporary delays arise because: (i) the depository has closed its transfer books or we have closed our transfer books; (ii) the transfer of shares is blocked to permit voting at a shareholders' meeting; or (iii) we are paying a dividend on our shares;
- when you owe money to pay fees, taxes and similar charges; or
- when it is necessary to prohibit withdrawals in order to comply with any laws or governmental regulations that apply to ADSs or to the withdrawal of shares or other deposited securities.

This right of withdrawal may not be limited by any other provision of the deposit agreement.

#### **Direct Registration System**

In the deposit agreement, all parties to the deposit agreement acknowledge that the Direct Registration System, also referred to as DRS, and Profile Modification System, also referred to as Profile, will apply to the ADSs. DRS is a system administered by DTC that facilitates interchange between registered holding of uncertificated ADSs and holding of security entitlements in ADSs through DTC and a DTC participant. Profile is a feature of DRS that allows a DTC participant, claiming to act on behalf of a registered holder of uncertificated ADSs, to direct the depository to register a transfer of those ADSs to DTC or its nominee and to deliver those ADSs to the DTC account of that DTC participant without receipt by the depository of prior authorization from the ADS holder to register that transfer.

In connection with and in accordance with the arrangements and procedures relating to DRS/Profile, the parties to the deposit agreement understand that the depository will not determine whether the DTC

participant that is claiming to be acting on behalf of an ADS holder in requesting registration of transfer and delivery as described in the paragraph above has the actual authority to act on behalf of the ADS holder (notwithstanding any requirements under the Uniform Commercial Code). In the deposit agreement, the parties agree that the depository's reliance on and compliance with instructions received by the depository through the DRS/Profile system and in accordance with the deposit agreement will not constitute negligence or bad faith on the part of the depository.

**Shareholder communications; inspection of register of holders of ADSs**

The depository will make available for your inspection at its office all communications that it receives from us as a holder of deposited securities that we make generally available to holders of deposited securities. The depository will send you copies of those communications or otherwise make those communications available to you if we ask it to. You have a right to inspect the register of holders of ADSs, but not for the purpose of contacting those holders about a matter unrelated to our business or the ADSs.

**Waiver of Jury Trial**

The deposit agreement, the ADRs and the ADSs will be interpreted in accordance with the laws of the State of New York. The rights of holders of Class A ordinary shares (including Class A ordinary shares represented by ADSs) are governed by the laws of the Cayman Islands.

**The deposit agreement provides that, to the extent permitted by law, ADS holders waive the right to a jury trial of any claim they may have against us or the depository arising out of or relating to our Class A ordinary shares, the ADSs or the deposit agreement, including any claim under U.S. federal securities laws. If we or the depository opposed a jury trial demand based on the waiver, the court would determine whether the waiver was enforceable on the facts and circumstances of that case in accordance with applicable case law. However, you cannot waive our or the depository's compliance with U.S. federal securities laws and the rules and regulations promulgated thereunder.**

## DESCRIPTION OF PREFERRED SHARES

The particular terms of each issue or series of preferred shares will be described in the related prospectus supplement. This description will include, where applicable, a description of:

- the title and nominal value of the preferred shares;
- the number of preferred shares we are offering;
- the liquidation preference per preferred share, if any;
- the issue price per preferred share (or if applicable, the calculation formula of the issue price per preferred share);
- whether preferential subscription rights will be issued to existing shareholders;
- the dividend rate per preferred share, dividend period and payment dates and method of calculation for dividends;
- whether dividends will be cumulative or non-cumulative and, if cumulative, the date from which dividends will accumulate;
- our right, if any, to defer payment of dividends and the maximum length of any such deferral period;
- the relative ranking and preferences of the preferred shares as to dividend rights (preferred dividend if any) and rights if we liquidate, dissolve or wind up the Company;
- the procedures for any auction and remarketing, if any;
- the provisions for redemption or repurchase, if applicable, and any restrictions on our ability to exercise those redemption and repurchase rights;
- any listing of the preferred shares on any securities exchange or market;
- whether the preferred shares will be convertible into our ordinary shares (including in the form of ADSs) or preferred shares of another category, and, if applicable, conditions of an automatic conversion into ordinary shares (including in the form of ADSs), if any, the conversion period, the conversion price, or how such price will be calculated, and under what circumstances it may be adjusted;
- voting rights, if any, of the preferred shares;
- preemption rights, if any;
- other restrictions on transfer, sale or assignment, if any;
- whether interests in the preferred shares will be represented by American Depositary Preferred Shares;
- a discussion of any material or special Cayman Islands or United States federal income tax considerations applicable to the preferred shares;
- any limitations on issuances of any class or series of preferred shares ranking senior to or on a parity with the series of preferred shares being issued as to dividend rights and rights if we liquidate, dissolve or wind up our affairs;
- any rights attached to the preferred shares regarding the corporate governance of our company, which may include, for example representation rights to the board of directors; and
- any other specific terms, rights, preferences, privileges, qualifications or restrictions of the preferred shares.

Our board of directors may cause the Company to issue from time to time, out of the authorized share capital of the Company (other than the authorized but unissued ordinary shares), series of preferred shares in their absolute discretion and without approval of the shareholders; provided, however, before any preferred shares of any such series are issued, our board of directors shall by resolution of directors determine, with respect to any series of preferred shares, the terms and rights of that series.

When we issue preferred shares under this prospectus and the applicable prospectus supplement, the shares will be fully paid and non-assessable and will not have, or be subject to, any preemptive or similar rights.

The issuance of preferred shares could adversely affect the voting power of holders of ordinary shares and ADSs and reduce the likelihood that holders of ordinary shares and ADSs will receive dividend payments and payments upon liquidation. The issuance could have the effect of decreasing the market price of our ADSs. The issuance of preferred shares also could have the effect of delaying, deterring or preventing a change in control of our company.

## DESCRIPTION OF WARRANTS

The following summary of certain provisions of the warrants does not purport to be complete and is subject to, and qualified in its entirety by reference to, the provisions of the warrant agreement that will be filed with the SEC in connection with the offering of such warrants.

### General

We may issue warrants to purchase ordinary shares, including ordinary shares represented by ADSs. Warrants may be issued independently or together with any other securities and may be attached to, or separate from, such securities. Each series of warrants will be issued under a separate warrant agreement to be entered into between us and a warrant agent. The warrant agent will act solely as our agent and will not assume any obligation or relationship of agency for or with holders or beneficial owners of warrants. The terms of any warrants to be issued and a description of the material provisions of the applicable warrant agreement will be set forth in the applicable prospectus supplement.

The applicable prospectus supplement will describe the following terms of any warrants in respect of which this prospectus is being delivered:

- the title of such warrants;
- the aggregate number of such warrants;
- the price or prices at which such warrants will be issued and exercised;
- the currency or currencies in which the price of such warrants will be payable;
- the securities purchasable upon exercise of such warrants;
- the date on which the right to exercise such warrants shall commence and the date on which such right shall expire;
- if applicable, the minimum or maximum amount of such warrants which may be exercised at any one time;
- if applicable, the designation and terms of the securities with which such warrants are issued and the number of such warrants issued with each such security;
- if applicable, the date on and after which such warrants and the related securities will be separately transferable;
- information with respect to book-entry procedures, if any;
- any material Cayman Islands or United States federal income tax consequences;
- the antidilution provisions of the warrants, if any; and

any other terms of such warrants, including terms, procedures and limitations relating to the exchange and exercise of such warrants.

### Amendments and Supplements to Warrant Agreement

We and the warrant agent may amend or supplement the warrant agreement for a series of warrants without the consent of the holders of the warrants issued thereunder to effect changes that are not inconsistent with the provisions of the warrants and that do not materially and adversely affect the interests of the holders of the warrants.

## DESCRIPTION OF SUBSCRIPTION RIGHTS

The following summary of certain provisions of the subscription rights does not purport to be complete and is subject to, and qualified in its entirety by reference to, the provisions of the certificate evidencing the subscription rights that will be filed with the SEC in connection with the offering of such subscription rights.

### General

We may issue subscription rights to purchase ordinary shares, including ordinary shares represented by ADSs. Subscription rights may be issued independently or together with any other offered security and may or may not be transferable by the person purchasing or receiving the subscription rights. In connection with any subscription rights offering to our shareholders, we may enter into a standby underwriting arrangement with one or more underwriters pursuant to which such underwriters will purchase any offered securities remaining unsubscribed for after such subscription rights offering. In connection with a subscription rights offering to our shareholders, we will distribute certificates evidencing the subscription rights and a prospectus supplement to our shareholders on the record date that we set for receiving subscription rights in such subscription rights offering.

The applicable prospectus supplement will describe the following terms of subscription rights in respect of which this prospectus is being delivered:

- the title of such subscription rights;
- the securities for which such subscription rights are exercisable;
- the exercise price for such subscription rights;
- the number of such subscription rights issued to each shareholder;
- the extent to which such subscription rights are transferable;
- if applicable, a discussion of the material Cayman Islands or United States federal income tax considerations applicable to the issuance or exercise of such subscription rights;
- the date on which the right to exercise such subscription rights shall commence, and the date on which such rights shall expire (subject to any extension);
- the extent to which such subscription rights include an over-subscription privilege with respect to unsubscribed securities;
- if applicable, the material terms of any standby underwriting or other purchase arrangement that we may enter into in connection with the subscription rights offering; and
- any other terms of such subscription rights, including terms, procedures and limitations relating to the exchange and exercise of such subscription rights.

### Exercise of Subscription Rights

Each subscription right will entitle the holder of the subscription right to purchase for cash such amount of securities at such exercise price as shall be set forth in, or be determinable as set forth in, the prospectus supplement relating to the subscription rights offered thereby. Subscription rights may be exercised at any time up to the close of business on the expiration date for such subscription rights set forth in the prospectus supplement. After the close of business on the expiration date, all unexercised subscription rights will become void.

Subscription rights may be exercised as set forth in the prospectus supplement relating to the subscription rights offered thereby. Upon receipt of payment and the subscription rights certificate properly completed and duly executed at the corporate trust office of the subscription rights agent or any other office indicated in the prospectus supplement, we will forward, as soon as practicable, the ordinary shares purchasable upon such exercise. We may determine to offer any unsubscribed offered securities directly to persons other than shareholders, to or through agents, underwriters or dealers or through a combination of such methods, including pursuant to standby underwriting arrangements, as set forth in the applicable prospectus supplement.



The following summary of certain provisions of the units does not purport to be complete and is subject to, and qualified in its entirety by reference to, the provisions of the certificate evidencing the units that will be filed with the SEC in connection with the offering of such units.

We may issue units comprised of one or more of the other securities described in this prospectus in any combination. Each unit will be issued so that the holder of the unit is also the holder, with the rights and obligations of a holder, of each security included in the unit. The unit agreement under which a unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time or at any time before a specified date or upon the occurrence of a specified event or occurrence.

The applicable prospectus supplement will describe:

- the designation and terms of the units and of the securities comprising the units, including whether and under what circumstances those securities may be held or transferred separately;
- any unit agreement under which the units will be issued;
- any provisions for the issuance, payment, settlement, transfer or exchange of the units or of the securities comprising the units; and
- whether the units will be issued in fully registered or global form.

**DESCRIPTION OF UNITS**

The following summary of certain provisions of the units does not purport to be complete and is subject to, and qualified in its entirety by reference to, the provisions of the certificate evidencing the units that will be filed with the SEC in connection with the offering of such units.

We may issue units comprised of one or more of the other securities described in this prospectus in any combination. Each unit will be issued so that the holder of the unit is also the holder, with the rights and obligations of a holder, of each security included in the unit. The unit agreement under which a unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time or at any time before a specified date or upon the occurrence of a specified event or occurrence.

The applicable prospectus supplement will describe:

- the designation and terms of the units and of the securities comprising the units, including whether and under what circumstances those securities may be held or transferred separately;
- any unit agreement under which the units will be issued;
- any provisions for the issuance, payment, settlement, transfer or exchange of the units or of the securities comprising the units; and
- whether the units will be issued in fully registered or global form.

**ENFORCEABILITY OF CIVIL LIABILITIES**

We are incorporated under the laws of the Cayman Islands as an exempted company with limited liability. We are incorporated in the Cayman Islands because of certain benefits associated with being a Cayman Islands company, such as political and economic stability, an effective judicial system, a favorable tax system, the absence of foreign exchange control or currency restrictions and the availability of professional and support services. However, the Cayman Islands has a less developed body of securities laws as compared to the United States and provides protections for investors to a lesser extent. In addition, Cayman Islands companies may not have standing to sue before the federal courts of the United States.

Most of our operations are conducted in China, and most of our assets are located in China. In addition, most of our directors and officers are residents of jurisdictions other than the United States and all or a substantial portion of their assets are located outside the United States. As a result, it may be difficult for investors to effect service of process within the United States upon us or these persons, or to enforce against us or them judgments obtained in United States courts, including judgments predicated upon the civil liability provisions of the securities laws of the United States or any state in the United States. It may also be difficult for you to enforce in United States courts judgments obtained in United States courts based on the civil liability provisions of the United States federal securities laws against us and our officers and directors.

We have appointed Cogency Global Inc. as our agent to receive service of process with respect to any action brought against us in the U.S. District Court for the Southern District of New York under the federal securities laws of the U.S. or of any state in the U.S. or any action brought against us in the Supreme Court of the State of New York in the County of New York under the securities laws of the State of New York.

Maples and Calder (Hong Kong) LLP, our counsel as to Cayman Islands law, has advised us that the courts of the Cayman Islands are unlikely (1) to recognize or enforce judgments of U.S. courts obtained against us or our directors or officers that are predicated upon the civil liability provisions of the federal securities laws of the United States or the securities laws of any state in the United States, or (2) in original actions brought in the Cayman Islands to impose liabilities against us or our directors or officers that are predicated upon the federal securities laws of the United States or the securities laws of any state in the United States so far as the liabilities imposed by those provisions are penal in nature.

In addition, Maples and Calder (Hong Kong) LLP has advised us that although there is no statutory enforcement in the Cayman Islands of judgments obtained in the federal or state courts of the United States (and the Cayman Islands are not a party to any treaties for the reciprocal enforcement or recognition of such judgments), a judgment obtained in such jurisdiction will be recognized and enforced in the courts of the Cayman Islands at common law, without any re-examination of the merits of the underlying dispute, by an action commenced on the foreign judgment debt in the Grand Court of the Cayman Islands, provided such judgment (i) is given by a foreign court of competent jurisdiction, (ii) imposes on the judgment debtor a liability to pay a liquidated sum for which the judgment has been given, (iii) is final and conclusive, (iv) is not in respect of taxes, a fine or a penalty, (v) is not inconsistent with a Cayman Islands judgment in respect of the same matter, and (vi) is not impeachable on the grounds of fraud and was not obtained in a manner and is not of a kind the enforcement of which is contrary to natural justice or the public policy of the Cayman Islands. A Cayman Islands court may stay enforcement proceedings if concurrent proceedings are being brought elsewhere.

Commerce & Finance Law Offices, our PRC legal adviser, has advised us that the recognition and enforcement of foreign judgments are provided for under the PRC Civil Procedure Law. PRC courts may recognize and enforce foreign judgments in accordance with the requirements of the PRC Civil Procedure Law based either on treaties between China and the country where the judgment is made or on principles of reciprocity between jurisdictions. Commerce & Finance Law Offices has advised us further that under PRC law, courts in the PRC will not recognize or enforce a foreign judgment against us or our directors and officers if they decide that the judgment violates the basic principles of PRC law or national sovereignty, security or social public interest. As there existed no treaty or other form of reciprocity between China and the United States governing the recognition and enforcement of judgments as of the date of this prospectus, including those predicated upon the liability provisions of the United States federal securities laws, there is uncertainty whether and on what basis a PRC court would enforce judgments rendered by United States courts. In addition, because there is no treaty or other form of reciprocity between the Cayman Islands and China governing the recognition and enforcement of judgments as of the date of this prospectus, there is further uncertainty as to whether and on what basis a PRC court would enforce judgments rendered by a Cayman Islands court.

**TAXATION**

Certain income tax considerations relating to the purchase, ownership and disposition of any of the securities offered by this prospectus will be set forth in the applicable prospectus supplement relating to the offering of those securities.

## PLAN OF DISTRIBUTION

We may sell the securities offered through this prospectus (1) to or through underwriters or dealers, (2) directly to purchasers, including our affiliates, (3) through agents, or (4) through a combination of any these methods. The securities may be distributed at a fixed price or prices, which may be changed, market prices prevailing at the time of sale, prices related to the prevailing market prices, or negotiated prices. The prospectus supplement will describe the terms of the offering, including the following information, if applicable:

- the name or names of any dealers or agents;
- the name or names of any managing underwriter or underwriters;
- the purchase price of the securities;
- the net proceeds from the sale of the securities;
- any delayed delivery arrangements;
- any underwriting discounts, commissions and other items constituting underwriters' compensation;
- any offering price to the public;
- any discounts or concessions allowed or reallocated or paid to dealers; and
- any commissions paid to agents.

### **Sale through underwriters or dealers**

If underwriters are used in the sale, the underwriters will acquire the securities for their own account, including through underwriting, purchase, security lending or repurchase agreements. The underwriters may resell the securities from time to time in one or more transactions, including negotiated transactions. Underwriters may sell the securities in order to facilitate transactions in any of our other securities (described in this prospectus or otherwise), including other public or private transactions and short sales. Underwriters may offer securities to the public either through underwriting syndicates represented by one or more managing underwriters or directly by one or more firms acting as underwriters. Unless otherwise indicated in the prospectus supplement, the obligations of the underwriters to purchase the securities will be subject to certain conditions, and the underwriters will be obligated to purchase all the offered securities if they purchase any of them. The underwriters may change from time to time any public offering price and any discounts or concessions allowed or reallocated or paid to dealers. The prospectus supplement will include the names of the principal underwriters the respective amount of securities underwritten, the nature of the obligation of the underwriters to take the securities and the nature of any material relationship between an underwriter and us.

If dealers are used in the sale of securities offered through this prospectus, we will sell the securities to them as principals. They may then resell those securities to the public at varying prices determined by the dealers at the time of resale. The prospectus supplement will include the names of the dealers and the terms of the transaction.

### **Direct sales and sales through agents**

We may sell the securities offered through this prospectus directly. In this case, no underwriters or agents would be involved. Such securities may also be sold through agents designated from time to time. The prospectus supplement will name any agent involved in the offer or sale of the offered securities and will describe any commissions payable to the agent by us. Unless otherwise indicated in the prospectus supplement, any agent will agree to use its reasonable best efforts to solicit purchases for the period of its appointment.

We may sell the securities directly to institutional investors or others who may be deemed to be underwriters within the meaning of the Securities Act with respect to any sale of those securities. The terms of any such sales will be described in the prospectus supplement.

### **Delayed delivery contracts**

If the prospectus supplement indicates, we may authorize agents, underwriters or dealers to solicit offers from certain types of institutions to purchase securities at the public offering price under delayed delivery

contracts. These contracts would provide for payment and delivery on a specified date in the future. The contracts would be subject only to those conditions described in the prospectus supplement. The applicable prospectus supplement will describe the commission payable for solicitation of those contracts.

#### **Market making, stabilization and other transactions**

Unless the applicable prospectus supplement states otherwise, each series of offered securities will be a new issue and will have no established trading market. We may elect to list any series of offered securities on an exchange. Any underwriters that we use in the sale of offered securities may make a market in such securities, but may discontinue such market making at any time without notice. Therefore, we cannot assure you that the securities will have a liquid trading market.

Any underwriter may also engage in stabilizing transactions, syndicate covering transactions and penalty bids in accordance with Rule 104 under the Exchange Act. Stabilizing transactions involve bids to purchase the underlying security in the open market for the purpose of pegging, fixing or maintaining the price of the securities. Syndicate covering transactions involve purchases of the securities in the open market after the distribution has been completed in order to cover syndicate short positions.

Penalty bids permit the underwriters to reclaim a selling concession from a syndicate member when the securities originally sold by the syndicate member are purchased in a syndicate covering transaction to cover syndicate short positions. Stabilizing transactions, syndicate covering transactions and penalty bids may cause the price of the securities to be higher than it would be in the absence of the transactions. The underwriters may, if they commence these transactions, discontinue them at any time.

#### **Derivative transactions and hedging**

We, the underwriters or other agents may engage in derivative transactions involving the securities. These derivatives may consist of short sale transactions and other hedging activities. The underwriters or agents may acquire a long or short position in the securities, hold or resell securities acquired and purchase options or futures on the securities and other derivative instruments with returns linked to or related to changes in the price of the securities. In order to facilitate these derivative transactions, we may enter into security lending or repurchase agreements with the underwriters or agents. The underwriters or agents may effect the derivative transactions through sales of the securities to the public, including short sales, or by lending the securities in order to facilitate short sale transactions by others. The underwriters or agents may also use the securities purchased or borrowed from us or others (or, in the case of derivatives, securities received from us in settlement of those derivatives) to directly or indirectly settle sales of the securities or close out any related open borrowings of the securities.

#### **Electronic auctions**

We may also make sales through the Internet or through other electronic means. Since we may from time to time elect to offer securities directly to the public, with or without the involvement of agents, underwriters or dealers, utilizing the Internet or other forms of electronic bidding or ordering systems for the pricing and allocation of such securities, you should pay particular attention to the description of that system we will provide in a prospectus supplement.

Such electronic system may allow bidders to directly participate, through electronic access to an auction site, by submitting conditional offers to buy that are subject to acceptance by us, and which may directly affect the price or other terms and conditions at which such securities are sold. These bidding or ordering systems may present to each bidder, on a so-called "real-time" basis, relevant information to assist in making a bid, such as the clearing spread at which the offering would be sold, based on the bids submitted, and whether a bidder's individual bids would be accepted, prorated or rejected. Of course, many pricing methods can and may also be used.

Upon completion of such an electronic auction process, securities will be allocated based on prices bid, terms of bid or other factors. The final offering price at which securities would be sold and the allocation of securities among bidders would be based in whole or in part on the results of the Internet or other electronic bidding process or auction.

**General information**

Agents, underwriters, and dealers may be entitled, under agreements entered into with us, to indemnification by us against certain liabilities, including liabilities under the Securities Act.

**LEGAL MATTERS**

We are being represented by Kirkland & Ellis International LLP with respect to certain legal matters of United States federal securities and New York state law. The validity of the ordinary shares represented by the ADSs offered in this offering and legal matters as to Cayman Islands law will be passed upon for us by Maples and Calder (Hong Kong) LLP. Certain legal matters as to PRC law will be passed upon for us by Commerce & Finance Law Offices. Kirkland & Ellis International LLP and Maples and Calder (Hong Kong) LLP may rely upon Commerce & Finance Law Offices with respect to matters governed by PRC law.



**EXPERTS**

The consolidated financial statements of Canaan Inc. as of December 31, 2021 and for the year then ended, have been incorporated by reference herein in reliance upon the report of KPMG Huazhen LLP, independent registered public accounting firm, upon the authority of said firm as experts in accounting and auditing.

**WHERE YOU CAN FIND MORE INFORMATION ABOUT US**

We are currently subject to periodic reporting and other informational requirements of the Exchange Act, as applicable to foreign private issuers. Accordingly, we are required to file reports, including annual reports on Form 20-F, and other information with the SEC. All information filed with the SEC can be inspected and copied at the public reference facilities maintained by the SEC at 100 F Street, N.E., Washington, D.C. 20549. You can request copies of these documents upon payment of a duplicating fee, by writing to the SEC. Please call the SEC at 1-800-SEC-0330 for further information on the operation of the public reference room. Our SEC filings may also be obtained over the Internet at the SEC's website at [www.sec.gov](http://www.sec.gov).

Our corporate website is [www.canaan-creative.com](http://www.canaan-creative.com). The information contained on our websites is not a part of this prospectus. Our agent for service of process in the United States is Cogency Global Inc., located at 122 East 42nd Street, 18th Floor, New York, New York 10168.

This prospectus is part of a registration statement that we filed with the SEC and does not contain all the information in the registration statement. You will find additional information about us in the registration statement. Any statement made in this prospectus concerning a contract or other document of ours is not necessarily complete, and you should read the documents that are filed as exhibits to the registration statement or otherwise filed with the SEC for a more complete understanding of the document or matter. Each such statement is qualified in all respects by reference to the document to which it refers.

### INCORPORATION OF DOCUMENTS BY REFERENCE

The SEC allows us to “incorporate by reference” the information we file with them. This means that we can disclose important information to you by referring you to those documents. Each document incorporated by reference is current only as of the date of such document, and the incorporation by reference of such documents shall not create any implication that there has been no change in our affairs since the date thereof or that the information contained therein is current as of any time subsequent to its date. The information incorporated by reference is considered to be a part of this prospectus and should be read with the same care. When we update the information contained in documents that have been incorporated by reference by making future filings with the SEC, the information incorporated by reference in this prospectus is considered to be automatically updated and superseded. In other words, in the case of a conflict or inconsistency between information contained in this prospectus and information incorporated by reference in this prospectus, you should rely on the information contained in the document that was filed later.

We incorporate by reference the following documents:

- [our annual report on Form 20-F for the fiscal year ended December 31, 2021 filed on April 29, 2022](#);
- our reports on Form 6-K filed with the SEC on [January 4, 2022](#), [March 16, 2022](#) (One announced up to US\$100 million share repurchase program, the other one provided updates on recent development and business outlook), [April 8, 2022](#), [May 5, 2022](#), [June 23, 2022](#), [October 24, 2022](#), [November 14, 2022](#), [November 25, 2022](#), and [March 7, 2023](#);
- the description of our securities contained in our Registration Statement on [Form 8-A filed with the SEC on November 6, 2019](#), as updated by [Exhibit 2.2](#) to our [Annual Report on Form 20-F for the fiscal year ended December 31, 2019 filed with the SEC on April 15, 2020](#), and including any amendments or reports filed for purposes of updating such descriptions;
- any future annual reports on Form 20-F filed with the SEC after the date of this prospectus and prior to the termination of the offering of the securities offered by this prospectus; and
- any future reports on Form 6-K that we furnish to the SEC after the date of this prospectus that are identified in such reports as being incorporated by reference in this prospectus.

Our annual report for the fiscal year ended December 31, 2021 contains a description of our business and audited consolidated financial statements with a report by our independent auditor. The consolidated financial statements are prepared and presented in accordance with U.S. GAAP.

Unless expressly incorporated by reference, nothing in this prospectus shall be deemed to incorporate by reference information furnished to, but not filed with, the SEC. Copies of all documents incorporated by reference in this prospectus, other than exhibits to those documents unless such exhibits are specially incorporated by reference in this prospectus, will be provided at no cost to each person, including any beneficial owner, who receives a copy of this prospectus on the written or oral request of that person made to:

Canaan Inc.  
28 Ayer Rajah Crescent  
#06-08  
Singapore 139959  
Tel: +65 6305 6618

You should rely only on the information that we incorporate by reference or provide in this prospectus. We have not authorized anyone to provide you with different information. We are not making any offer of these securities in any jurisdiction where the offer is not permitted. You should not assume that the information in this prospectus is accurate as of any date other than the date on the front of those documents.

**PART II****INFORMATION NOT REQUIRED IN PROSPECTUS****ITEM 8. INDEMNIFICATION OF DIRECTORS AND OFFICERS**

The Cayman Companies Act does not limit the extent to which a company's memorandum and articles of association may provide for indemnification of officers and directors, except to the extent any such provision may be held by the Cayman Islands courts to be contrary to public policy, such as to provide indemnification against dishonesty, willful default or fraud or the consequences of committing a crime. Our articles of association provide that we shall indemnify our officers and directors against all actions, proceedings, costs, charges, expenses, losses, damages or liabilities incurred or sustained by such directors or officer, other than by reason of such person's dishonesty, willful default or fraud, in or about the conduct of our company's business or affairs (including as a result of any mistake of judgment) or in the execution or discharge of his duties, powers, authorities or discretions, including without prejudice to the generality of the foregoing, any costs, expenses, losses or liabilities incurred by such director or officer in defending (whether successfully or otherwise) any civil proceedings concerning our company or its affairs in any court whether in the Cayman Islands or elsewhere. This standard of conduct is generally the same as permitted under the Delaware General Corporation Law for a Delaware corporation. In addition, we intend to enter into indemnification agreements with our directors and executive officers that will provide such persons with additional indemnification beyond that provided in our articles of association.

Under the indemnification agreements with our directors and executive officers, the form of which was filed as Exhibit 10.2 to our registration statement on Form F-1, as amended (File No. 333-234356), we have agreed to indemnify our directors and executive officers against certain liabilities and expenses incurred by such persons in connection with claims made by reason of their being such a director or executive officer.

Any underwriting agreement entered into in connection with an offering of our securities may also provide for indemnification of us and our officers and directors in certain cases.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to our directors, officers or persons controlling us under the foregoing provisions, we have been informed that, in the opinion of the SEC, such indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

We also maintain a directors and officers liability insurance policy for our directors and officers.

**ITEM 9. EXHIBITS**

See Exhibit Index beginning on page II-4 of this registration statement.

**ITEM 10. UNDERTAKINGS.**

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement.

Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the SEC pursuant to Rule 424(b) if, in the aggregate, the changes in volume and

price represent no more than 20% change in the maximum aggregate offering price set forth in the “Calculation of Registration Fee” table in the effective registration statement; and

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

*provided, however*, that paragraphs (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) of this item do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the SEC by the registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) To file a post-effective amendment to the registration statement to include any financial statements required by Item 8.A. of Form 20-F at the start of any delayed offering or throughout a continuous offering. Financial statements and information otherwise required by Section 10(a)(3) of the Securities Act need not be furnished, provided that the registrant includes in the prospectus, by means of a post-effective amendment, financial statements required pursuant to this paragraph (4) and other information necessary to ensure that all other information in the prospectus is at least as current as the date of those financial statements. Notwithstanding the foregoing, a post-effective amendment need not be filed to include financial statements and information required by Section 10(a)(3) of the Securities Act or Item 8.A of Form 20-F if such financial statements and information are contained in periodic reports filed with or furnished to the SEC by the registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in this registration statement.

(5) That, for the purpose of determining liability under the Securities Act to any purchaser:

(i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5) or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii) or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof; provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(6) That, for the purpose of determining liability of the registrant under the Securities Act to any purchaser in the initial distribution of the securities:

The undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

(iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to Section 13(a) or 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

## EXHIBIT INDEX

Exhibit Number	Description
1.1*	Form of Underwriting Agreement
4.1	<a href="#">Registrant's Specimen American Depositary Receipt evidencing American Depositary Shares (included in Exhibit 4.3).</a>
4.2	<a href="#">Registrant's Specimen of Ordinary Share Certificate (incorporated by reference to Exhibit 4.1 to the registration statement on Form F-1 (File No. 333-234356), as amended, initially filed with the Securities and Exchange Commission on October 28, 2019)</a>
4.3	<a href="#">Form of Deposit Agreement by and among the Registrant, the depository and the holders and beneficial owners of the American Depositary Receipts issued thereunder (incorporated by reference to Exhibit 1 to the registration statement on Form F-6 (File No. 333-234510), filed with the Securities and Exchange Commission on November 5, 2019)</a>
4.4*	Certificate of Designation for Preferred Shares
4.5*	Registrant's Specimen of Warrant Certificate
4.6*	Form of Warrant Agreement
4.7*	Form of Subscription Rights Agreement
4.8*	Form of Subscription Rights Certificate
4.9*	Specimen Unit Certificate
5.1**	<a href="#">Opinion of Maples and Calder (Hong Kong) LLP regarding the validity of the securities being registered</a>
8.1**	<a href="#">Opinion of Maples and Calder (Hong Kong) LLP regarding certain Cayman Islands tax matters (included in Exhibit 5.1)</a>
8.2**	<a href="#">Opinion of Commerce &amp; Finance Law Officers regarding certain PRC law matters</a>
23.1**	<a href="#">Consent of PricewaterhouseCoopers Zhong Tian LLP, Independent Registered Public Accounting Firm</a>
23.2**	<a href="#">Consent of KPMG Huazhen LLP, Independent Registered Public Accounting Firm</a>
23.3**	<a href="#">Consent of Maples and Calder (Hong Kong) LLP (included in Exhibit 5.1)</a>
23.4**	<a href="#">Consent of Commerce &amp; Finance Law Officers</a>
24.1**	<a href="#">Power of attorney (included on signature page hereof)</a>
107**	<a href="#">Calculation of Filing Fee Table</a>

\* To be filed as an exhibit to a post-effective amendment to this registration statement or as an exhibit to a report filed or furnished under the Exchange Act and incorporated by reference.

\*\* Filed with this Post Effective No. 1 to the Registration Statement on Form F-3.

**SIGNATURES**

Pursuant to the requirements of the Securities Act, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form F-3 and has duly caused this Post-Effective Amendment No. 1 to the Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in People's Republic of China, on April 19, 2023.

**CANAAN INC.**

By: /s/ Nangeng Zhang

\_\_\_\_\_  
Name: Nangeng Zhang

Title: Chairman and Chief Executive Officer



**POWER OF ATTORNEY**

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below does hereby constitute and appoint Mr. Nangeng Zhang as his or her true and lawful attorneys-in-fact and agents, each with full power of substitution and re-substitution, for him and in his name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement and sign any registration statement for the same offering covered by this registration statement that is to be effective upon filing pursuant to Rule 462(b) promulgated under the Securities Act of 1933, as amended, and all post-effective amendments thereto and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, or their or his or her substitutes or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act, the Post-Effective Amendment No. 1 to the Registration Statement has been signed by the following persons on April 19, 2023 in the capacities indicated.

<u>Signature</u>	<u>Title</u>
/s/ Nangeng Zhang Name: Nangeng Zhang	Chairman and Chief Executive Officer (principal executive officer)
/s/ Wenjun Zhang Name: Wenjun Zhang	Director
/s/ Hongchao Du Name: Hongchao Du	Director
/s/ Zhitang Shu Name: Zhitang Shu	Director
/s/ Yaping Zhang Name: Yaping Zhang	Director
/s/ James Jin Cheng Name: James Jin Cheng	Chief Financial and Officer
/s/ Lu Meng Name: Lu Meng	Secretary to the Board

**SIGNATURE OF AUTHORIZED REPRESENTATIVE OF THE REGISTRANT**

Pursuant to the requirements of the Securities Act, the undersigned, the duly authorized representative in the United States of Canaan Inc. has signed this registration statement or amendment thereto in New York, United States on April 19, 2023.

Authorized U.S. Representative

**Cogency Global Inc.**

By: /s/ Colleen A. De Vries

\_\_\_\_\_  
Name: Colleen A. De Vries

Title: Senior Vice President on behalf of  
Cogency Global Inc.



**Our ref** VSL/742877-000003/26299168v1

Canaan Inc.  
28 Ayer Rajah Crescent  
#06-08  
Singapore 139959

19 April 2023

Dear Sirs

**Canaan Inc.**

We have acted as Cayman Islands legal advisers to Canaan Inc. (the "**Company**") in connection with the Company's registration statement on Form F-3, including all amendments or supplements thereto (the "**Registration Statement**"), filed with the Securities and Exchange Commission under the U.S. Securities Act of 1933, as amended to date relating to securities to be issued and sold by the Company from time to time. Such securities include:

- a) certain American depositary shares (the "**ADSs**") representing the Company's Class A ordinary shares of par value US\$0.00000005 each (the "**Shares**");
- b) certain preferred shares of the Company with a par value of US\$0.00000005 each (the "**Preferred Shares**");
- c) warrants to subscribe for Shares in, or debt securities of, the Company (the "**Warrants**") to be issued under warrant agreements to be entered into between the Company and the warrant agent for such Warrants thereunder (the "**Warrant Agreements**");
- d) subscription rights to purchase Shares in the Company (the "**Subscription Rights**") to be issued under standby underwriting agreements to be entered into among the Company and one or more underwriters for such Subscription Rights thereunder (the "**Subscription Rights Agreements**"); and
- e) units comprising of one or more of the ADSs, Preferred Shares, Warrants, or Subscription Rights in any combination (the "**Units**") to be issued under unit agreements to be entered into between the Company and the unitholder for such Units thereunder (the "**Unit Agreements**").

We are furnishing this opinion as Exhibits 5.1, 8.1 and 23.3 to the Registration Statement.

#### **1 Documents Reviewed**

For the purposes of this opinion, we have reviewed only originals, copies or final drafts of the following documents:

- 1.1 The certificate of incorporation of the Company dated 6 February 2018 and the certificate of incorporation on change of name of the Company dated 24 April 2018 issued by the Registrar of Companies in the Cayman Islands.
-

- 1.2 The amended and restated memorandum and articles of association of the Company as conditionally adopted by a special resolution passed on 4 October 2019 and effective immediately prior to the completion of the Company's initial public offering of the ADSs representing the Shares (the "**Memorandum and Articles**").
- 1.3 The minutes ("**Minutes**") of the meeting of the board of directors of the Company (the "**Board**") held on 13 January 2021 (the "**Meeting**").
- 1.4 A certificate from a director of the Company, a copy of which is attached hereto (the "**Director's Certificate**").
- 1.5 A certificate of good standing dated 17 April 2023, issued by the Registrar of Companies in the Cayman Islands (the "**Certificate of Good Standing**").
- 1.6 The Registration Statement.

## 2 **Assumptions**

The following opinions are given only as to, and based on, circumstances and matters of fact existing and known to us on the date of this opinion letter. These opinions only relate to the laws of the Cayman Islands which are in force on the date of this opinion letter. In giving these opinions we have relied (without further verification) upon the completeness and accuracy, as of the date of this opinion letter, of the Director's Certificate and the Certificate of Good Standing. We have also relied upon the following assumptions, which we have not independently verified:

- 2.1 Copies of documents, conformed copies or drafts of documents provided to us are true and complete copies of, or in the final forms of, the originals.
- 2.2 All signatures, initials and seals are genuine.
- 2.3 There is nothing contained in the minute book or corporate records of the Company (which we have not inspected) which would or might affect the opinions set out below.
- 2.4 There is no contractual or other prohibition or restriction (other than as arising under Cayman Islands law) binding on the Company prohibiting or restricting it from entering into and performing its obligations under the Registration Statement and a duly authorised, executed and delivered Warrant Agreement, Subscription Rights Agreement or Unit Agreement.
- 2.5 The Company will have sufficient authorised capital to effect the issue of the Shares at the time of issuance.
- 2.6 The Warrant Agreements and the Warrants, the Subscription Rights and the Subscription Rights Agreements and the Units and the Unit Agreements, will be, legal, valid, binding and enforceable against all relevant parties in accordance with their terms under the laws of the State of New York and all other relevant laws (other than, with respect to the Company, the laws of the Cayman Islands).
- 2.7 The choice of the laws of the State of New York as the governing law of the Warrant Agreements and the Warrants, the Subscription Rights and the Subscription Rights Agreements and the Units and the Unit Agreements, will be made in good faith and would be regarded as a valid and binding selection which will be upheld by the courts of the State of New York and any other relevant jurisdiction (other than the Cayman Islands) as a matter of the laws of the State of New York and all other relevant laws (other than the laws of the Cayman Islands).

- 2.8 The capacity, power, authority and legal right of all parties under all relevant laws and regulations (other than, with respect to the Company, the laws and regulations of the Cayman Islands) to enter into, execute, unconditionally deliver and perform their respective obligations under the Warrant Agreements and the Warrants, the Subscription Rights and the Subscription Rights Agreements and the Units and the Unit Agreements.
- 2.9 No monies paid to or for the account of the Company in respect of the Shares, the Warrants, the Subscription Rights or the Units represent or will represent proceeds of criminal conduct or criminal property or terrorist property (as defined in the Proceeds of Crime Act (As Revised) and the Terrorism Act (As Revised) respectively).
- 2.10 There is nothing under any law (other than the law of the Cayman Islands), which would or might affect the opinions set out below.

### **3 Opinion**

Based upon the foregoing and subject to the qualifications set out below and having regard to such legal considerations as we deem relevant, we are of the opinion that:

- 3.1 The Company has been duly incorporated as an exempted company with limited liability and is validly existing and in good standing with the Registrar of Companies under the laws of the Cayman Islands.
- 3.2 The authorised share capital of the Company is US\$50,000 divided into 1,000,000,000,000 shares of par value US\$0.00000005 comprising of (i) 999,643,375,556 Class A Ordinary Shares of a par value of US\$0.00000005 each, and (ii) 356,624,444 Class B Ordinary Shares of a par value of US\$0.00000005 each.
- 3.3 With respect to the Shares and the Preferred Shares, when (i) the Board has taken all necessary corporate action to approve the issue thereof, the terms of the offering thereof and related matters; (ii) the issue of such Shares or Preferred Shares has been recorded in the Company's register of members (shareholders); and (iii) the subscription price of such Shares or Preferred Shares, (being not less than the par value of the Shares or Preferred Shares, as the case may be) has been fully paid in cash or other consideration approved by the Board, the Shares or Preferred Shares will be duly authorised, validly issued, fully paid and non-assessable.
- 3.4 With respect to each issue of Warrants, when (i) the Board has taken all necessary corporate action to approve the creation and terms of the Warrants and to approve the issue thereof, the terms of the offering thereof and related matters; (ii) a Warrant Agreement relating to the Warrants shall have been duly authorised and validly executed and delivered by the Company and the warrant agent thereunder; and (iii) the certificates representing the Warrants have been duly executed, countersigned, registered and delivered in accordance with the Warrant Agreement relating to the Warrants and the applicable definitive purchase, underwriting or similar agreement approved by the Board upon payment of the consideration therefor provided therein, the Warrants will be duly authorised, legal and binding obligations of the Company.
- 3.5 With respect to each issue of the Subscription Rights, when (i) the Board has taken all necessary corporate action to approve the creation and terms of the Subscription Rights and to approve the issue thereof, the terms of the offering thereof and related matters; (ii) a Subscription Rights Agreement relating to the Subscription Rights and the Subscription Rights shall have been authorised and duly executed and delivered by and on behalf of the Company and all the relevant parties thereunder in accordance with all relevant laws; and (iii) when such Subscription Rights issued thereunder have been duly executed and delivered on behalf of the Company and authenticated in the manner set forth in the Subscription Rights Agreement relating to such issue of Subscription Rights and delivered against due payment therefor pursuant to, and in accordance with, the terms of the Registration Statement and any relevant prospectus supplement, such Subscription Rights issued pursuant to the Subscription Rights Agreement will have been duly executed, issued and delivered.

3.6 With respect to each issue of the Units, when (i) the Board has taken all necessary corporate action to approve the creation and terms of the Units and to approve the issue thereof, the terms of the offering thereof and related matters; (ii) a Unit Agreement relating to the Units and the Units shall have been authorised and duly executed and delivered by and on behalf of the Company and all the relevant parties thereunder in accordance with all relevant laws; and (iii) when such Units issued thereunder have been duly executed and delivered on behalf of the Company and authenticated in the manner set forth in the Unit Agreement relating to such issue of Units and delivered against due payment therefor pursuant to, and in accordance with, the terms of the Registration Statement and any relevant prospectus supplement, such Units issued pursuant to the Unit Agreement will have been duly executed, issued and delivered.

3.7 The statements under the caption "Taxation" in the prospectus forming part of the Registration Statement, to the extent that they constitute statements of Cayman Islands law, are accurate in all material respects and that such statements constitute our opinion.

#### **4 Qualifications**

4.1 To maintain the Company in good standing under the laws of the Cayman Islands, annual filing fees must be paid and returns made to the Registrar of Companies within the time frame prescribed by law.

4.2 The obligations assumed by the Company under the Warrant Agreements, the Subscription Rights Agreements and the Unit Agreements will not necessarily be enforceable in all circumstances in accordance with their terms. In particular:

- (a) enforcement may be limited by bankruptcy, insolvency, liquidation, reorganisation, readjustment of debts or moratorium or other laws of general application relating to, protecting or affecting the rights of creditors and/or contributories;
- (b) enforcement may be limited by general principles of equity. For example, equitable remedies such as specific performance may not be available, *inter alia*, where damages are considered to be an adequate remedy;
- (c) some claims may become barred under relevant statutes of limitation or may be or become subject to defences of set off, counterclaim, estoppel and similar defences;

- (d) where obligations are to be performed in a jurisdiction outside the Cayman Islands, they may not be enforceable in the Cayman Islands to the extent that performance would be illegal under the laws of that jurisdiction;
- (e) the courts of the Cayman Islands have jurisdiction to give judgment in the currency of the relevant obligation and statutory rates of interest payable upon judgments will vary according to the currency of the judgment. If the Company becomes insolvent and is made subject to a liquidation proceeding, the courts of the Cayman Islands will require all debts to be proved in a common currency, which is likely to be the "functional currency" of the Company determined in accordance with applicable accounting principles. Currency indemnity provisions have not been tested, so far as we are aware, in the courts of the Cayman Islands;
- (f) arrangements that constitute penalties will not be enforceable;
- (g) enforcement may be prevented by reason of fraud, coercion, duress, undue influence, misrepresentation, public policy or mistake or limited by the doctrine of frustration of contracts;
- (h) provisions imposing confidentiality obligations may be overridden by compulsion of applicable law or the requirements of legal and/or regulatory process;
- (i) the courts of the Cayman Islands may decline to exercise jurisdiction in relation to substantive proceedings brought under or in relation to the Warrant Agreements, the Subscription Rights Agreements and the Unit Agreements in matters where they determine that such proceedings may be tried in a more appropriate forum;
- (j) we reserve our opinion as to the enforceability of the relevant provisions of the Warrant Agreements, the Subscription Rights Agreements and the Unit Agreements to the extent that they purport to grant exclusive jurisdiction as there may be circumstances in which the courts of the Cayman Islands would accept jurisdiction notwithstanding such provisions;
- (k) a company cannot, by agreement or in its articles of association, restrict the exercise of a statutory power and there is doubt as to the enforceability of any provision in the Warrant Agreements, the Subscription Rights Agreements and the Unit Agreements whereby the Company covenants to restrict the exercise of powers specifically given to it under the Companies Act (As Revised) (the "**Companies Act**"), including, without limitation, the power to increase its authorised share capital, amend its memorandum and articles of association or present a petition to a Cayman Islands court for an order to wind up the Company; and
- (l) if the Company becomes subject to Part XVIIIA of the Companies Act, enforcement or performance of any provision in the Warrant Agreements, the Subscription Rights Agreements and the Unit Agreements which relates, directly or indirectly, to an interest in the Company constituting shares, voting rights or director appointment rights in the Company may be prohibited or restricted if any such relevant interest is or becomes subject to a restrictions notice issued under the Companies Act.

- 4.3 We express no opinion as to the meaning, validity or effect of any references to foreign (i.e. non-Cayman Islands) statutes, rules, regulations, codes, judicial authority or any other promulgations and any references to them in the Warrant Agreements or the Warrants, the Subscription Rights Agreements or the Subscription Rights or the Unit Agreements or the Units.
- 4.4 We have not reviewed any of the Warrant Agreements or the Warrants to be issued thereunder, the Subscription Rights Agreements or the Subscription Rights to be issued thereunder or the Unit Agreements or the Units to be issued thereunder and our opinions are qualified accordingly.
- 4.5 We reserve our opinion as to the extent to which the courts of the Cayman Islands would, in the event of any relevant illegality or invalidity, sever the relevant provisions of the Warrant Agreements or the Warrants, the Subscription Rights Agreements or the Subscription Rights, or the Unit Agreements or the Units and enforce the remainder of the Warrant Agreements or the Warrants, the Subscription Rights Agreements or the Subscription Rights, or the Unit Agreements or the Units or the transaction of which such provisions form a part, notwithstanding any express provisions in the Warrant Agreements or the Warrants, the Subscription Rights Agreements or the Subscription Rights, or the Unit Agreements or the Units in this regard.
- 4.6 Under the Companies Act, the register of members of a Cayman Islands company is by statute regarded as prima facie evidence of any matters which the Companies Act directs or authorises to be inserted therein. A third party interest in the shares in question would not appear. An entry in the register of members may yield to a court order for rectification (for example, in the event of fraud or manifest error).
- 4.7 In this opinion the phrase "non-assessable" means, with respect to shares in the Company, that a shareholder shall not, solely by virtue of its status as a shareholder and in absence of a contractual arrangement, or an obligation pursuant to the memorandum and articles of association, to the contrary, be liable for additional assessments or calls on the shares by the Company or its creditors (except in exceptional circumstances, such as involving fraud, the establishment of an agency relationship or an illegal or improper purpose or other circumstances in which a court may be prepared to pierce or lift the corporate veil).

Except as specifically stated herein, we make no comment with respect to any representations and warranties which may be made by or with respect to the Company in any of the documents or instruments cited in this opinion or otherwise with respect to the commercial terms of the transactions, which are the subject of this opinion.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement and to the reference to our name under the headings "Enforceability of Civil Liabilities", "Taxation" and "Legal Matters" and elsewhere in the Registration Statement. In giving such consent, we do not thereby admit that we come within the category of persons whose consent is required under Section 7 of the U.S. Securities Act of 1933, as amended, or the Rules and Regulations of the Commission thereunder.

Yours faithfully

/s/ Maples and Calder (Hong Kong) LLP  
Maples and Calder (Hong Kong) LLP



Director's Certificate

April 18, 2023

To: Maples and Calder (Hong Kong) LLP  
26th Floor, Central Plaza  
18 Harbour Road  
Wanchai, Hong Kong

Dear Sirs

**Canaan Inc. (the "Company")**

I, the undersigned, being a director of the Company, am aware that you are being asked to provide a legal opinion (the "**Opinion**") in relation to certain aspects of Cayman Islands law. Capitalised terms used in this certificate have the meaning given to them in the Opinion. I hereby certify that:

- 1 The amended and restated memorandum and articles of association adopted by a special resolution on 4 October 2019 and effective immediately prior to the completion of the Company's initial public offering of American depository shares (the "**Memorandum and Articles**") remain in full and effect and are unamended.
- 2 The minutes (the "**Minutes**") of the meeting of the board of directors of the Company held on 13 January 2021 (the "**Meeting**") are a true and correct record of the proceedings of the Meeting, which was duly convened and held, and at which a quorum was present throughout, in each case, in the manner prescribed in the Memorandum and Articles. The resolutions set out in the Minutes were duly passed in the manner prescribed in the Memorandum and Articles (including, without limitation, with respect to the disclosure of interests (if any) by directors of the Company) and have not been amended, varied or revoked in any respect.
- 3 The authorised share capital of the Company is US\$50,000 divided into 1,000,000,000,000 shares of a par value of US\$0.00000005 each comprising of (i) 999,643,375,556 Class A Ordinary Shares of a par value of US\$0.00000005 each, and (ii) 356,624,444 Class B Ordinary Shares of a par value of US\$0.00000005 each.
- 4 The shareholders of the Company have not restricted or limited the powers of the directors in any way and there is no contractual or other prohibition (other than as arising under Cayman Islands law) binding on the Company prohibiting it from issuing and allotting the Shares or otherwise performing its obligations under the Registration Statement.
- 5 The directors of the Company at the date of the Meeting and at the date hereof were and are:

Nangeng Zhang  
Wenjun Zhang  
Hongchao Du  
Zhitang Shu  
Yaping Zhang

- 6 Each director of the Company considers the transactions contemplated by the Registration Statement to be of commercial benefit to the Company and has acted bona fide in the best interests of the Company, and for a proper purpose of the Company in relation to the transactions the subject of the Opinion.
- 7 To the best of my knowledge and belief, having made due inquiry, the Company is not the subject of legal, arbitral, administrative or other proceedings in any jurisdiction and neither the directors nor Shareholders have taken any steps to have the Company struck off or placed in liquidation. Further, no steps have been taken to wind up the Company or to appoint restructuring officers or interim restructuring officers, and no receiver has been appointed in relation to any of the Company's property or assets.
- 8 The Company is not subject to the requirements of Part XVIIIA of the Companies Act.

I confirm that you may continue to rely on this Certificate as being true and correct on the day that you issue the Opinion unless I shall have previously notified you personally to the contrary.

*[signature page follows]*

Signature: /s/ Nangeng Zhang  
Name: Nangeng Zhang  
Title: Chairman and Chief Executive Officer

## 通商律師事務所

COMMERCE &amp; FINANCE LAW OFFICES

中国北京建国门外大街1号国贸写字楼2座12-14层100004  
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电话 Tel: +86 10 6563 7181 传真 Fax: +86 10 6569 3838  
电邮 Email: beijing@tongshang.com 网址 Web: www.tongshang.com

**To : Canaan Inc.**

The People's Republic of China

**Re: Tax Matters in connection with the Offering of Canaan Inc.**

April 19, 2023

**Dear Sirs,**

We are qualified lawyers of the People's Republic of China (the "**PRC**", for the purpose of this opinion, excluding the Hong Kong Special Administrative Region, Macao Special Administrative Region and the region of Taiwan) and as such are qualified to issue legal opinions on the PRC laws, regulations or rules effective on the date hereof (the "**PRC Laws**").

We are acting as the PRC counsel to Canaan Inc. (the "**Company**"), a company incorporated under the laws of the Cayman Islands in connection with the Company's registration statement on Form F-3, including all amendments or supplements thereto (the "**Registration Statement**"), filed by the Company with the U.S. Securities and Exchange Commission (the "**SEC**") under the U.S. Securities Act of 1933, as amended in relation to the offering (the "**Offering**") by the Company of (i) Class A ordinary shares, par value \$0.00000005 per share, including Class A ordinary shares (the "**Ordinary Shares**") represented by American depositary shares (the "**ADSs**"), with each ADS representing 15 Class A ordinary shares, (ii) preferred shares, (iii) warrants, (iv) subscription rights and/or (v) units.

This legal opinion (the "**Opinion**") is furnished pursuant to the instructions of the Company on the captioned matters, and is delivered to the Company for the purposes of the Offering.

In so acting, we have examined the Registration Statement, the originals or copies, certified or otherwise identified to our satisfaction, of documents provided to us by the Company and Group Companies, as defined below, and such other documents, corporate records, certificates issued by PRC governmental authorities and officers of the Company and other instruments as we have deemed necessary or advisable for the purposes of rendering this Opinion (the "**Documents**").

In our examination and for purpose of rendering this Opinion, we have assumed without further inquiry, (a) the genuineness of all the signatures, seals and chops, the authenticity of the Documents submitted to us as original and the conformity with authentic original documents submitted to us as copies and the authenticity of such originals; (b) the truthfulness, accuracy and completeness of the Documents, as well as the factual statements contained in the Documents; (c) that the Documents provided to us remain in full force and effect up to the date of this Opinion and that none of the Documents has been revoked, amended, varied or supplemented except as otherwise indicated in such documents; (d) that information provided to us by the Company and PRC Group Companies, as defined below, in response to our enquiries for the purpose of this Opinion is true, accurate, complete and not misleading, and that the Company and PRC Group Companies have not withheld anything that, if disclosed to us, would reasonably cause us to alter this Opinion in whole or in part; (e) that all Governmental Authorizations, as defined below, and other official statement or documentation are obtained by lawful means in due course; (f) that each of the parties other than PRC Group Companies is duly organized and is validly existing in good standing under the laws of its jurisdiction of organization and/or incorporation (as the case may be); (g) that all parties other than the PRC Group Companies have the requisite power and authority to enter into, execute, deliver and perform all the Documents to which they are parties and have duly executed, delivered, performed, and will duly perform their obligations under all the Documents to which they are parties; and (h) that all documents submitted to us are legal, valid, binding and enforceable under all such laws as govern or relate to them other than PRC Laws.

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For the purpose of rendering this Opinion, where important facts were not independently established to us, we have relied upon certificates issued by the governmental authorities and representatives of the Company and PRC Group Companies with proper authority and upon representations, made in or pursuant to the Documents.

The following terms used in this Opinion are defined as follows:

“**Governmental Agencies**” means any national, provincial or local court, governmental agency or body, stock exchange authorities or any other regulator in the PRC;

“**Governmental Authorizations**” means licenses, consents, authorizations, sanctions, permissions, declarations, approvals, orders, registrations, clearances, annual inspections, waivers, qualifications, certificates and permits from, and the reports to and filings with, Governmental Agencies pursuant to any applicable PRC Laws;

“**Hangzhou Canaan**” means Hangzhou Canaan Creative Information Technology Limited;

“**Group Companies**” means the Company, Canaan Creative (HK) Holdings Limited, Hangzhou Canaan and PRC Group Companies (each a “**Group Company**”, and collectively “**Group Companies**”);

“**PRC Group Companies**” means Hangzhou Canaan and PRC Subsidiaries collectively, and individually a “**PRC Group Company**”;

This Opinion is subject to the following qualifications:

- (a) This Opinion is rendered only with respect to the PRC Laws and we express no opinion as to the laws and regulations of any other jurisdiction.
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- (b) This Opinion relates only to the PRC Laws in effect on the date hereof and there is no guarantee that any of such PRC Laws, or the interpretation thereof or enforcement thereof, will not be changed, amended or revoked in the immediate future or in the longer term with or without retroactive effect.
- (c) This Opinion is subject to the discretion of any competent Governmental Agencies in exercising their authority in the PRC in connection with the interpretation, implementation and application of relevant PRC Laws.
- (d) This Opinion is intended to be used in the context which is specifically referred to herein, and each paragraph should be looked at as a whole regarding the same subject matter and no part should be extracted for interpretation separately from this Opinion.
- (e) This Opinion is, in so far as it relates to the validity, effectiveness and enforceability, subject to (i) any applicable bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium or similar laws affecting creditors' rights generally; (ii) possible judicial or administrative actions or any laws affecting creditors' rights generally; (iii) certain legal or statutory principles affecting the enforceability of contractual rights generally under concepts of public interest, state interest, national security, reasonableness, good faith and fair dealing, and applicable statutes of limitation; (iv) any circumstance in connection with formulation, execution or implementation of any legal documents that would be deemed materially mistaken, clearly unconscionable, unlawful, fraudulent, coercive at the conclusions thereof; (v) judicial discretion with respect to the availability of injunctive relief, the calculation of damages, the availability of indemnifications, remedies or defenses, the calculation of damages, the entitlement to attorney's fees and other costs, the waiver of immunity from jurisdiction of any court or from legal process, and (vi) the discretion of any competent PRC legislative, administrative or judicial bodies in exercising their authority in connection with the interpretation, implementation and application of relevant laws regulations and policies in the PRC.

Based on the foregoing and subject to the qualifications set out above, as of the issuance date of this Opinion:

we are of the opinion that, the discussions of PRC taxation in the Registration Statement are true and accurate based on the PRC Laws.

This Opinion is rendered to you for the purpose hereof only, and save as provided herein, the Opinion shall not be quoted nor shall a copy be given to any person (apart from the addressee) without our express prior written consent.

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通商律師事務所

COMMERCE & FINANCE LAW OFFICES

Yours sincerely,

/s/ Commerce & Finance Law Offices

Commerce & Finance Law Offices

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CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statement on Form F-3 (No.333-255470) of Canaan Inc. of our report dated April 21, 2021 relating to the financial statements, which appears in Canaan Inc.'s Annual Report on Form 20-F for the year ended December 31, 2021.

/s/ PricewaterhouseCoopers Zhong Tian LLP  
Shanghai, People's Republic of China  
April 19, 2023

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**Consent of Independent Registered Public Accounting Firm**

We consent to the use of our report dated April 29, 2022, with respect to the consolidated financial statements of Canaan Inc., incorporated herein by reference and to the reference to our firm under the heading “Experts” in the prospectus.

/s/ KPMG Huazhen LLP

Beijing, China  
April 19, 2023

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通商律師事務所  
COMMERCE & FINANCE LAW OFFICES

中国北京建国门外大街1号国贸写字楼2座12-14层100004  
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电话 Tel: +86 10 6563 7181 传真 Fax: +86 10 6569 3838  
电邮 Email: beijing@tongshang.com 网址 Web: www.tongshang.com

To : Canaan Inc.

The People's Republic of China

Re: Consent of People's Republic of China Counsel

April 19, 2023

Dear Sirs,

We consent to the reference to our firm under the headings "ENFORCEABILITY OF CIVIL LIABILITIES" and "LEGAL MATTERS" in the registration statement on Form F-3, including all amendments or supplements thereto, of Canaan Inc. to be filed with the Securities and Exchange Commission. In giving this consent we do not admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act of 1933, as amended.

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Yours sincerely,

/s/ Commerce & Finance Law Offices  
Commerce & Finance Law Offices

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## Calculation of Filing Fee Table

Post-Effective Amendment to Form F-3

(Form Type)

Canaan Inc.

(Exact name of Registrant as Specified in its Charter)

Table 1 – Newly Registered Securities and Carry Forward Securities

	Security Type	Security Class Title	Fee Calculation or Carry Forward Rule	Amount Registered	Proposed Maximum Offering Price Per Unit	Maximum Aggregate Offering Price	Fee Rate	Amount of Registration Fee	Carry Forward Form Type	Carry Forward File Number	Carry Forward Initial effective date	Filing Fee Previously Paid in Connection with Unsold Securities to be Carried Forward
Newly Registered Securities												
Fees to Be Paid	Equity	Class A ordinary share, par value US\$ 0.00000005 per share <sup>(1)</sup>	457(r)	(2)	(3)	(3)	—	\$—				
	Equity	Preferred share, par value US\$ 0.00000005 per share	457(r)	(2)	(3)	(3)	—	\$—				
	Others	Warrants	457(r)	(2)	(3)	(3)	—	\$—				
	Others	Subscription Rights Units	457(r)	(2)	(3)	(3)	—	\$—				
	Unallocated (Universal) Shelf	(2)	457(o)	\$143,719,805	—	\$143,719,805	0.00011020	\$15,837.92				
Carry Forward Securities												
Carry Forward Securities	Equity	Class A ordinary share, par value US\$ 0.00000005 per share <sup>(1)</sup>	415(a)(6)	\$745,719,805 <sup>(4)</sup>	N/A	\$745,719,805			424B5	333-255470	November 25, 2022	\$82,178.32
	Total Offering Amount/Registration Fee						\$148,000,000		\$16,309.60			
	Total Fees Previously Paid								\$82,178.32			
	Total Fee Offsets								—			
	Net Fees Due								—			

- (1) American depositary shares issuable upon deposit of class A ordinary shares registered hereby have been registered under a separate registration statement on Form F-6 (Registration No. 333-234194). Each American depositary share represents fifteen Class A ordinary shares.
- (2) There is being registered hereunder an indeterminate number of shares of (a) Class A Ordinary Shares, (b) preferred shares, (c) warrants, (d) subscription rights units, consisting of some or all of these securities in any combination, as shall have an aggregate initial offering price not to exceed US\$148,000,000. Any securities registered hereunder may be sold separately or as units with other securities registered hereunder. The proposed maximum initial offering price per unit will be determined, from time to time, by the registrant in connection with the issuance by the registrant of the securities registered hereunder. In addition, pursuant to Rule 416 under the Securities Act of 1933, as amended (the "Securities Act"), the shares being registered hereunder include such indeterminate number of shares of ordinary shares that may be issued from time to time to prevent dilution as a result of a distribution, split, combination or similar transaction.
- (3) The proposed maximum aggregate offering price per class of security will be determined from time to time by the registrant in connection with the issuance by the registrant of the securities registered hereunder and is not specified as to each class of security pursuant to General Instruction II.D. of Form F-3 under the Securities Act.
- (4) Pursuant to 415(a)(6) under the Securities Act, the securities registered pursuant to this registration statement include unsold securities previously registered by the registrant on the registrant's prospectus supplement (File No. 333-255470), filed on November 25, 2022 (the "Prospectus Supplement"). The Prospectus Supplement registered the offer and sale of up to \$750,000,000 of the registrant's Class A Ordinary Shares represented by American depositary shares, which may be issued and sold under an At the Market Offering Agreement, as amended, with H.C. Wainwright & Co., LLC. The registrant previously paid a fee of \$82,650.00 related to such \$750,000,000 in Class A Ordinary Shares. Of such shares of Class A Ordinary Shares, \$745,719,805 remain unsold (the "Unsold Shelf Securities"). The registrant has determined to include in this registration statement \$148,000,000 of the Unsold Shelf Securities. Pursuant to Rule 457(b) under the Securities Act, the filing fee of \$82,178.32 relating to \$745,719,805 of the Unsold Shelf Securities under the Prospectus Supplement, which was paid under the Prospectus Supplement, will continue to be applied to the registrant's total registration fee. Accordingly, there is no registration fee due.