# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

### FORM 8-K

#### **CURRENT REPORT**

## PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): April 29, 2024

### LanzaTech Global, Inc.

(Exact name of registrant as specified in its charter)

| Delaware                                                                                                                                                              | 001-40282                                                         | 92-2018969                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|
| (State or other jurisdiction of incorporation)                                                                                                                        | (Commission File Number)                                          | (I.R.S. Employer<br>Identification No.)                        |
| 8045 Lamon Avenue, Suite 400<br>Skokie, Illinois                                                                                                                      |                                                                   | 60077                                                          |
| (Address of principal executive offi                                                                                                                                  | ces)                                                              | (Zip Code)                                                     |
| (Re                                                                                                                                                                   | (847) 324-2400<br>egistrant's telephone number, including area of | code)                                                          |
| (Forme                                                                                                                                                                | Not Applicable or name or former address, if changed since la     | st report)                                                     |
| Check the appropriate box below if the Form 8-K is in provisions:                                                                                                     | tended to simultaneously satisfy the filing ob                    | ligation of the registrant under any of the following          |
| $\square$ Written communication pursuant to Rule 425 und                                                                                                              | er the Securities Act (17 CFR 230.425)                            |                                                                |
| ☐ Soliciting material pursuant to Rule 14a-12 under                                                                                                                   | the Exchange Act (17 CFR 240.14a-12)                              |                                                                |
| $\hfill \Box$ Pre-commencement communications pursuant to                                                                                                             | Rule 14d-2(b) under the Exchange Act (17 C                        | FR 240.14d-2(b))                                               |
| ☐ Pre-commencements communications pursuant to                                                                                                                        | Rule 13e-4(c) under the Exchange Act (17 C                        | CFR 240.13e-4(c))                                              |
| Securities registered pursuant to Section 12(b) of the A                                                                                                              | Act:                                                              |                                                                |
| Title of each class                                                                                                                                                   | Trading Symbols                                                   | Name of each exchange on which registered                      |
| Common Stock, par value \$0.0001 per share<br>Redeemable Warrants, each whole warrant<br>exercisable for one share of Common Stock at<br>an exercise price of \$11.50 | LNZA<br>LNZAW                                                     | The Nasdaq Stock Market LLC<br>The Nasdaq Stock Market LLC     |
| ☐ Indicate by check mark whether the registrant is a chapter) or Rule 12b-2 of the Securities Exchange                                                                |                                                                   | ale 405 of the Securities Act of 1933 (§230.405 of this        |
| ☐ If an emerging growth company, indicate by chec new or revised financial accounting standards pro                                                                   |                                                                   | the extended transition period for complying with any nge Act. |
|                                                                                                                                                                       |                                                                   |                                                                |

### Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On April 25, 2024, Nimesh Patel, a non-independent member of the Board of Directors (the "Board") of LanzaTech Global, Inc. (the "Company"), resigned from the Board, effective immediately. Mr. Patel was originally appointed to the Board due to his role as Managing Director and member of the senior management team of AMCI Group and AMCI Acquisition Corp. II, the sponsor for the Company's business combination completed on February 8, 2023. As a Class I director, Mr. Patel's term was set to expire at the Company's first Annual Meeting on June 25, 2024. Mr. Patel resigned concurrent with the filing of the proxy statement, which sets out for stockholder approval the Company's Class I directors. Mr. Patel's resignation did not result from any disagreement with the Company on any matter relating to the Company's operations, policies or practices. The Company thanks Mr. Patel for his service to the Company and support in becoming a public company in 2023. The Company has initiated a search for an independent director to fill the vacancy resulting from Mr. Patel's resignation.

#### Item 9.01. Financial Statements and Exhibits.

### (d) Exhibits

| Exhibit Number | Description                                                                  |
|----------------|------------------------------------------------------------------------------|
| 104            | Cover Page Interactive Data File (embedded within the Inline XBRL document). |

### **SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: April 29, 2024

### LANZATECH GLOBAL, INC.

By: /s/ Joseph Blasko

Name: Joseph Blasko

Title: General Counsel and Corporate Secretary