

---

---

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

**SCHEDULE 13G**  
(Amendment No. 1)\*

Under the Securities Exchange Act of 1934

---

LanzaTech Global, Inc.

(Name of Issuer)

---

Class A common stock, par value \$0.0001 per share

(Title of Class of Securities)

---

51655R101

(CUSIP Number)

---

December 31, 2022

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the *Notes*).

---

---

---

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo Atlas Master Fund, LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 0 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 0 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) OO	

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo Atlas Management, LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 0 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 0 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) OO	

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo PPF Credit Strategies, LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 0 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 0 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) OO	

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo Credit Strategies Master Fund Ltd.	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 0 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 0 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) CO	

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo ST Fund Management LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 0 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 0 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) OO	

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo ST Operating LP		
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>		
<b>3</b>	SEC USE ONLY		
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares	
	<b>6</b>	SHARED VOTING POWER 0 shares	
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares	
	<b>8</b>	SHARED DISPOSITIVE POWER 0 shares	
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares		
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x		
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%		
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) PN		

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo ST Capital LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
<b>NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:</b>	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 0 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 0 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) OO	



CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). ST Management Holdings, LLC		
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>		
<b>3</b>	SEC USE ONLY		
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares	
	<b>6</b>	SHARED VOTING POWER 0 shares	
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares	
	<b>8</b>	SHARED DISPOSITIVE POWER 0 shares	
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares		
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x		
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%		
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) OO		

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo A-N Credit Fund (Delaware), L.P.		
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>		
<b>3</b>	SEC USE ONLY		
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares	
	<b>6</b>	SHARED VOTING POWER 0 shares	
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares	
	<b>8</b>	SHARED DISPOSITIVE POWER 0 shares	
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares		
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x		
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%		
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) PN		

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo A-N Credit Management, LLC		
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>		
<b>3</b>	SEC USE ONLY		
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares	
	<b>6</b>	SHARED VOTING POWER 0 shares	
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares	
	<b>8</b>	SHARED DISPOSITIVE POWER 0 shares	
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares		
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x		
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%		
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) OO		

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo SPAC Fund I, L.P.	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 891,000 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 891,000 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 891,000 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) PN	

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo SPAC Management I, L.P.	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 891,000 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 891,000 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) PN	

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo SPAC Management I GP, LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 891,000 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 891,000 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 891,000 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)    x	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) OO	

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo Capital Management, L.P.	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 891,000 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 891,000 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 891,000 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) <input type="checkbox"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) PN	

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo Capital Management GP, LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 891,000 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 891,000 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 891,000 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) <input type="checkbox"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) OO	



CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo Management Holdings, L.P.	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 891,000 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 891,000 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 891,000 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) <input type="checkbox"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) PN	

CUSIP No. 51655R101

<b>1</b>	NAME OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Apollo Management Holdings GP, LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 0 shares
	<b>6</b>	SHARED VOTING POWER 891,000 shares
	<b>7</b>	SOLE DISPOSITIVE POWER 0 shares
	<b>8</b>	SHARED DISPOSITIVE POWER 891,000 shares
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 891,000 shares	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) <input type="checkbox"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.9%	
<b>12</b>	TYPE OF REPORTING PERSON (See Instructions) OO	

**Item 1. (a) Name of Issuer**

LanzaTech Global, Inc.

**(b) Address of Issuer's Principal Executive Offices**

600 Steamboat Road  
Greenwich, Connecticut 06830

**Item 2. (a) Name of Person Filing**

This statement is filed by (i) Apollo Atlas Master Fund, LLC ("Atlas"); (ii) Apollo Atlas Management, LLC ("Atlas Management"); (iii) Apollo PPF Credit Strategies, LLC ("PPF Credit Strategies"); (iv) Apollo Credit Strategies Master Fund Ltd. ("Credit Strategies"); (v) Apollo ST Fund Management LLC ("ST Management"); (vi) Apollo ST Operating LP ("ST Operating"); (vii) Apollo ST Capital LLC ("ST Capital"); (viii) ST Management Holdings, LLC ("ST Management Holdings"); (ix) Apollo A-N Credit Fund (Delaware), L.P. ("A-N Credit"); (x) Apollo A-N Credit Management, LLC ("A-N Credit Management"); (xi) Apollo SPAC Fund I, L.P. ("SPAC Fund I"); (xii) Apollo SPAC Management I, L.P. ("SPAC Management I"); (xiii) Apollo SPAC Management I GP, LLC ("SPAC Management I GP") (xiv) Apollo Capital Management, L.P. ("Capital Management"); (xv) Apollo Capital Management GP, LLC ("Capital Management GP"); (xvi) Apollo Management Holdings, L.P. ("Management Holdings"); (xvii) Apollo Management Holdings GP, LLC ("Management Holdings GP"). The foregoing are collectively referred to herein as the "Reporting Persons."

SPAC Fund I holds securities of the Issuer. Atlas, PPF Credit Strategies, and Credit Strategies no longer hold securities presently convertible into Common Stock of the Issuer. A-N Credit no longer holds securities of the Issuer.

Atlas Management serves as the investment manager of Atlas. Apollo PPF Credit Strategies Management, LLC serves as the investment manager of PPF Credit Strategies. ST Management serves as the investment manager for Credit Strategies. ST Operating is the sole member of ST Management. The general partner of ST Operating is ST Capital. ST Management Holdings is the sole member of ST Capital. A-N Credit Management serves as the investment manager for A-N Credit. SPAC Management I serves as the investment manager for SPAC Fund I. The general partner of SPAC Management I is SPAC Management I GP.

Capital Management serves as the sole member of Atlas Management, A-N Credit Management and SPAC Management I GP, and as the sole member and manager of ST Management Holdings. Capital Management GP serves as the general partner of Capital Management. Management Holdings serves as the sole member and manager of Capital Management GP, and Management Holdings GP serves as the general partner of Management Holdings.

**(b) Address of Principal Business Office or, if none, Residence**

The principal office of each of Atlas, PPF Credit Strategies, A-N Credit, and SPAC Fund I is One Manhattanville Road, Suite 201, Purchase, New York 10577. The principal office of Credit Strategies is c/o Walkers Corporate Limited, Cayman Corporate Centre, 27 Hospital Road, George Town, Grand Cayman, KY-9008, Cayman Islands. The principal office of each of Atlas Management, ST Management, ST Operating, ST Capital, ST Management Holdings, A-N Credit Management, SPAC Management I, SPAC Management I GP, Capital Management, Capital Management GP, Management Holdings, and Management Holdings GP is 9 W. 57<sup>th</sup> Street, 43<sup>rd</sup> Floor, New York, New York 10019.

**(c) Citizenship**

Atlas and Credit Strategies are each an exempted company incorporated in the Cayman Islands with limited liability. SPAC Fund I is a Cayman Islands exempted limited partnership. Atlas Management, PPF Credit Strategies, ST Management, ST Capital, ST Management Holdings, A-N Credit Management, SPAC Management I GP, Capital Management GP, and Management Holdings GP are each a Delaware limited liability company. ST Operating, A-N Credit, SPAC Management I, Capital Management, and Management Holdings are each a Delaware limited partnership.

**(d) Title of Class of Securities**

Class A common stock, par value \$0.0001 per share (the "Common Stock").

**(e) CUSIP Number**

51655R101

**Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:**

Not applicable.

**Item 4. Ownership.**

Beneficial ownership information is reported as of December 31, 2022.

**(a) Amount beneficially owned:**

Atlas	0
Atlas Management	0
PPF Credit Strategies	0
Credit Strategies	0
ST Management	0
ST Operating	0
ST Capital	0
ST Management Holdings	0
A-N Credit	0
A-N Credit Management	0
SPAC Fund I	891,000
SPAC Management I	891,000
SPAC Management I GP	891,000
Capital Management	891,000
Capital Management GP	891,000
Management Holdings	891,000
Management Holdings GP	891,000

Atlas, PPF Credit Strategies, Credit Strategies, A-N Credit, and SPAC Fund I each disclaims beneficial ownership of all shares of Common Stock included in this report other than the shares of Common Stock held of record by such Reporting Person, and the filing of this report shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities for purposes of Section 13(d) or 13(g) of the Securities Exchange Act of 1934, as amended, or for any other purpose. Atlas Management, ST Management, ST Operating, ST Capital, ST Management Holdings, A-N Credit Management, SPAC Management I, SPAC Management I GP, Capital Management, Capital Management GP, Management Holdings and Management Holdings GP, and Messrs. Scott Kleinman, James Zelter and Marc Rowan, the managers, as well as executive officers, of Management Holdings GP, each disclaims beneficial ownership of all shares of Common Stock included in this report, and the filing of this report shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities for purposes of Section 13(d) or 13(g) of the Securities Exchange Act of 1934, as amended, or for any other purpose.

**(b) Percent of class:**

Atlas	0.0%
Atlas Management	0.0%
PPF Credit Strategies	0.0%
Credit Strategies	0.0%
ST Management	0.0%
ST Operating	0.0%
ST Capital	0.0%
ST Management Holdings	0.0%
A-N Credit	0.0%
A-N Credit Management	0.0%
SPAC Fund I	5.9%
SPAC Management I	5.9%
SPAC Management I GP	5.9%
Capital Management	5.9%
Capital Management GP	5.9%
Management Holdings	5.9%
Management Holdings GP	5.9%

The percentages are based on 15,000,000 shares of Common Stock outstanding as of December 16, 2022, as disclosed in the Issuer's prospectus supplement filed on January 11, 2023.

(c) **Number of shares as to which the person has:**

(i) Sole power to vote or to direct the vote:

0 for all Reporting Persons

(ii) Shared power to vote or to direct the vote:

Atlas	0
Atlas Management	0
PPF Credit Strategies	0
Credit Strategies	0
ST Management	0
ST Operating	0
ST Capital	0
ST Management Holdings	0
A-N Credit	0
A-N Credit Management	0
SPAC Fund I	891,000
SPAC Management I	891,000
SPAC Management I GP	891,000
Capital Management	891,000
Capital Management GP	891,000
Management Holdings	891,000
Management Holdings GP	891,000

(iii) Sole power to dispose or to direct the disposition of:

0 for all Reporting Persons

(iv) Shared power to dispose or to direct the disposition of:

Atlas	0
Atlas Management	0
PPF Credit Strategies	0
Credit Strategies	0
ST Management	0
ST Operating	0
ST Capital	0
ST Management Holdings	0
A-N Credit	0
A-N Credit Management	0
SPAC Fund I	891,000
SPAC Management I	891,000
SPAC Management I GP	891,000
Capital Management	891,000
Capital Management GP	891,000
Management Holdings	891,000
Management Holdings GP	891,000

**Item 5. Ownership of Five Percent or Less of a Class.**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following:

**Item 6. Ownership of More than Five Percent on Behalf of Another Person.**

Not applicable.

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.**

Not applicable.

**Item 8. Identification and Classification of Members of the Group.**

Not applicable.

**Item 9. Notice of Dissolution of Group.**

Not applicable.

**Item 10. Certification.**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

[The remainder of this page is intentionally left blank.]

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 13, 2023

**APOLLO ATLAS MASTER FUND, LLC**

By: Apollo Atlas Management, LLC,  
its investment manager

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO ATLAS MANAGEMENT, LLC**

By: Apollo Capital Management, L.P.,  
its sole member

By: Apollo Capital Management GP, LLC,  
its general partner

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO PPF CREDIT STRATEGIES, LLC**

By: Apollo PPF Credit Strategies Management, LLC,  
its investment manager

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO CREDIT STRATEGIES MASTER FUND LTD.**

By: Apollo ST Fund Management LLC,  
its investment manager

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President



**APOLLO ST FUND MANAGEMENT LLC**

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO ST OPERATING LP**

By: Apollo ST Capital LLC,  
its general partner

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO ST CAPITAL LLC**

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**ST MANAGEMENT HOLDINGS, LLC**

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO A-N CREDIT FUND (DELAWARE), L.P.**

By: Apollo A-N Credit Management, LLC,  
its investment manager

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO A-N CREDIT MANAGEMENT, LLC**

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO SPAC FUND I, L.P.**

By: Apollo SPAC Management I, L.P.,  
its investment manager

By: Apollo SPAC Management I GP, LLC,  
its general partner

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO SPAC MANAGEMENT I, L.P.**

By: Apollo SPAC Management I GP, LLC,  
its general partner

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO SPAC MANAGEMENT I GP, LLC**

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO CAPITAL MANAGEMENT, L.P.**

By: Apollo Capital Management GP, LLC,  
its general partner

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO CAPITAL MANAGEMENT GP, LLC**

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO MANAGEMENT HOLDINGS, L.P.**

By: Apollo Management Holdings GP, LLC,  
its general partner

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President

**APOLLO MANAGEMENT HOLDINGS GP, LLC**

By: /s/ William Kuesel

Name: William Kuesel

Title: Vice President