

FORM 4

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

| OMB APPROVAL | |
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

☐ Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

☐ Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

| | | |
|---|---|---|
| 1. Name and Address of Reporting Person* Ponessa Sara 0001752727 | 2. Issuer Name and Ticker or Trading Symbol Arcadium Lithium plc [ALTM] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <div>Director10% Owner</div> <div><input checked="" type="checkbox"/> Officer (give title below)Other (specify below) General Counsel, VP & Sec</div> |
| (Last)(First)(Middle) C/O SUITE 12, GATEWAY HUB SHANNON AIRPORT HOUSE | 3. Date of Earliest Transaction (Month/Day/Year) 03/06/2024 | |
| (Street) SHANNON L2 V14 E370 | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Individual or Joint/Group Filing (Check Applicable Line) <div><input checked="" type="checkbox"/> Form filed by One Reporting Person</div> <div>Form filed by More than One Reporting Person</div> |
| (City)(State)(Zip) | | |

| Table I – Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | | |
|--|--------------------------------------|--|--------------------------------|---|---|------------|-------|---|--|---|
| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Ordinary Shares | 03/06/2024 | | A | | 57,576 ⁽¹⁾ | A | \$0 | 159,613 | D | |

| Table II – Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) | | | | | | | | | | | | | | | |
|---|--|--------------------------------------|--|--------------------------------|---|--|-----|--|---------------------------|---|----------------------------|--|--|---|--|
| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Stock Options (Right to Buy) | \$4.95 | 03/06/2024 | | A | | 149,215 ⁽²⁾ | | 03/06/2027 ⁽²⁾ | 03/06/2034 ⁽²⁾ | Ordinary Shares | 149,215 | \$0 | 149,215 | D | |

Explanation of Responses:

1. Reflects the grant of restricted stock units (RSUs) with respect to ordinary shares of the Issuer under the Issuer's Omnibus Incentive Plan (the "Plan"). The RSUs are scheduled to vest in equal instalments on each of the first three anniversaries of the date of grant, subject to the terms of the Plan and the applicable award agreement issued thereunder.
2. Reflects the grant of stock options to purchase ordinary shares of the Issuer under the Issuer's Omnibus Incentive Plan (the "Plan"). The stock options are scheduled to vest and become exercisable in equal instalments on each of the first three anniversaries of the date of grant, subject to the terms of the Plan and the applicable award agreement issued thereunder. The stock options will expire on the tenth anniversary of the date of grant.

Remarks:

/s/ Sara Ponessa

** Signature of Reporting Person

[03/08/2024](#)

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.