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

SCHEDULE 13G

**Under the Securities Exchange Act of 1934
(Amendment No.)***

SPIRE GLOBAL, INC.
(Name of Issuer)

CLASS A COMMON STOCK, \$0.0001 PAR VALUE
(Title of Class of Securities)

639358100
(CUSIP Number)

August 16, 2021
(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*).

| | | |
|--|---|---------------------------------------|
| 1. | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) | |
| | Deer IX & Co. Ltd. | |
| 2. | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> | |
| 3. | SEC USE ONLY | |
| 4. | CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH | 5. | SOLE VOTING POWER —7,277,945— |
| | 6. | SHARED VOTING POWER —0— |
| | 7. | SOLE DISPOSITIVE POWER —7,277,945— |
| | 8. | SHARED DISPOSITIVE POWER —0— |
| 9. | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON —7,277,945— | |
| 10. | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/> | |
| 11. | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 5.4% | |
| 12. | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) CO | |

** The percentage of shares beneficially owned as set forth in row 11 above is based on a total of 133,742,535 shares of New Spire Class A Common Stock as of August 16, 2021, as reported by the Issuer in its Current Report on Form 8-K filed with the SEC on August 20, 2021.

| | | |
|--|---|---|
| 1. | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) | |
| | Deer IX & Co. L.P. | |
| 2. | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> | |
| 3. | SEC USE ONLY | |
| 4. | CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH | 5. | SOLE VOTING POWER —7,277,945— |
| | 6. | SHARED VOTING POWER —0— |
| | 7. | SOLE DISPOSITIVE POWER —7,277,945— |
| | 8. | SHARED DISPOSITIVE POWER —0— |
| 9. | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON —7,277,945— | |
| 10. | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/> | |
| 11. | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 5.4% | |
| 12. | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) PN | |

** The percentage of shares beneficially owned as set forth in row 11 above is based on a total of 133,742,535 shares of New Spire Class A Common Stock as of August 16, 2021, as reported by the Issuer in its Current Report on Form 8-K filed with the SEC on August 20, 2021.

| | | |
|--|---|---|
| 1. | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) | |
| | Bessemer Venture Partners IX L.P. | |
| 2. | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> | |
| 3. | SEC USE ONLY | |
| 4. | CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH | 5. | SOLE VOTING POWER —4,040,713— |
| | 6. | SHARED VOTING POWER —0— |
| | 7. | SOLE DISPOSITIVE POWER —4,040,713— |
| | 8. | SHARED DISPOSITIVE POWER —0— |
| 9. | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON —7,277,945— | |
| 10. | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/> | |
| 11. | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 5.4% | |
| 12. | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) PN | |

** The percentage of shares beneficially owned as set forth in row 11 above is based on a total of 133,742,535 shares of New Spire Class A Common Stock as of August 16, 2021, as reported by the Issuer in its Current Report on Form 8-K filed with the SEC on August 20, 2021.

| | | |
|--|---|---|
| 1. | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) | |
| | Bessemer Venture Partners IX Institutional L.P. | |
| 2. | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> | |
| 3. | SEC USE ONLY | |
| 4. | CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH | 5. | SOLE VOTING POWER —3,237,232— |
| | 6. | SHARED VOTING POWER —0— |
| | 7. | SOLE DISPOSITIVE POWER —3,237,232— |
| | 8. | SHARED DISPOSITIVE POWER —0— |
| 9. | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON —7,277,945— | |
| 10. | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/> | |
| 11. | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 5.4% | |
| 12. | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) PN | |

** The percentage of shares beneficially owned as set forth in row 11 above is based on a total of 133,742,535 shares of New Spire Class A Common Stock as of August 16, 2021, as reported by the Issuer in its Current Report on Form 8-K filed with the SEC on August 20, 2021.

Item 1(a). Name of Issuer:

Spire Global, Inc. (the "Issuer")

Item 1(b). Address of Issuer's Principal Executive Offices:

8000 Towers Crescent Drive, Suite 1225
Vienna Virginia 22182

Item 2(a). Name of Person Filing:

This statement is being filed by the following persons with respect to the shares of Class A Common Stock, par value \$0.0001 per share (the "Shares"), directly owned by Bessemer Venture Partners IX L.P. ("BVP IX") and Bessemer Venture Partners IX Institutional L.P. ("BVP IX Institutional" and together with BVP IX, the "Funds").

- (a) Deer IX & Co. Ltd. ("Deer IX Ltd"), the general partner of Deer IX & Co. L.P. ("Deer IX LP");
- (b) Deer IX LP, the sole general partner of each of the Funds;
- (c) BVP IX, which directly owns 4,040,713 Shares; and
- (d) BVP IX Institutional, which directly owns 3,237,232 Shares.

Deer IX Ltd, Deer IX LP, BVP IX and BVP IX Institutional are sometimes individually referred to herein as a "Reporting Person" and collectively as the "Reporting Persons."

Item 2(b). Address of Principal Business Office or, if None, Residence:

The address of the principal business office of each of the Reporting Persons:

c/o Bessemer Venture Partners
1865 Palmer Avenue; Suite 104
Larchmont, NY 10583

Item 2(c). Citizenship:

Deer IX Ltd— Cayman Islands
Deer IX LP — Cayman Islands
BVP IX — Cayman Islands
BVP IX Institutional — Cayman Islands

Item 2(d). Title of Class of Securities:

Class A Common Stock, par value \$0.0001 per share

Item 2(e). CUSIP Number:

639358100

Item 3. Not Applicable.

Item 4. Ownership.

For Deer IX Ltd:

- (a) Amount beneficially owned: 7,277,945 Shares
- (b) Percent of class: 5.4%

- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote:--7,277,945—
 - (ii) Shared power to vote or to direct the vote:--0--
 - (iii) Sole power to dispose or to direct the disposition of:--7,277,945—
 - (iv) Shared power to dispose or to direct the disposition of:--0--

For Deer IX LP:

- (a) Amount beneficially owned: 7,277,945 Shares
- (b) Percent of class: 5.4%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote:--7,277,945—
 - (ii) Shared power to vote or to direct the vote:--0--
 - (iii) Sole power to dispose or to direct the disposition of:--7,277,945—
 - (iv) Shared power to dispose or to direct the disposition of:--0--

For BVP IX:

- (a) Amount beneficially owned: 7,277,945 Shares
- (b) Percent of class: 5.4%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote:--4,040,713--
 - (ii) Shared power to vote or to direct the vote:--0--
 - (iii) Sole power to dispose or to direct the disposition of:--4,040,713--
 - (iv) Shared power to dispose or to direct the disposition of:--0--

For BVP IX Institutional:

- (a) Amount beneficially owned: 7,277,945 Shares
- (b) Percent of class: 5.4%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote:--3,237,232--
 - (ii) Shared power to vote or to direct the vote:--0--
 - (iii) Sole power to dispose or to direct the disposition of:--3,237,232--
 - (iv) Shared power to dispose or to direct the disposition of:--0—

Not applicable.

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

As the general partner of Deer IX LP, which in turn is the general partner the Funds, Deer IX Ltd may be deemed to beneficially own all 7,277,945 Shares held directly by the Funds and have the power to direct the dividends from or the proceeds of the sale of such Shares.

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.

Exhibit 2 sets forth information regarding the identity of members of a group. The Reporting Persons disclaim membership in a group and this report shall not be deemed an admission by any of the Reporting Persons that they are or may be members of a "group" for purposes of Rule 13d-5 or for any other purpose.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

Not applicable.

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: August 25, 2021

DEER IX & CO. LTD.

By: /s/ Scott Ring

Name: Scott Ring

Title: General Counsel

DEER IX & CO. L.P.

By: Deer IX & Co. Ltd, its General Partner

By: /s/ Scott Ring

Name: Scott Ring

Title: General Counsel

BESSEMER VENTURE PARTNERS IX L.P.

BESSEMER VENTURE PARTNERS INSTITUTIONAL IX
L.P.

By: Deer IX & Co. L.P., its General Partner

By: Deer IX & Co., Ltd., its General Partner

By: /s/ Scott Ring

Name: Scott Ring

Title: General Counsel

EXHIBIT INDEX

- Exhibit 1. [Joint Filing Agreement as required by Rule 13d-1\(k\)\(1\) under the Securities Exchange Act of 1934, as amended](#)
- Exhibit 2. [List of Members of Group](#)

JOINT FILING AGREEMENT PURSUANT TO RULE 13d-1(k)(1)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G shall be filed on behalf of each of the undersigned without the necessity of filing additional joint filing statements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him, her or it contained herein, but shall not be responsible for the completeness and accuracy of the information concerning the other entities or persons, except to the extent that he, she or it knows or has reason to believe that such information is inaccurate.

Date: August 25, 2021

DEER IX & CO. LTD.

By: /s/ Scott Ring
Name: Scott Ring
Title: General Counsel

DEER IX & CO. L.P.

By: Deer IX & Co. Ltd, its General Partner

By: /s/ Scott Ring
Name: Scott Ring
Title: General Counsel

BESSEMER VENTURE PARTNERS IX L.P.

BESSEMER VENTURE PARTNERS INSTITUTIONAL IX L.P.

By: Deer IX & Co. L.P., its General Partner

By: Deer IX & Co., Ltd., its General Partner

By: /s/ Scott Ring
Name: Scott Ring
Title: General Counsel

Members of Group

Deer IX & Co. Ltd.
Deer IX & Co. L.P.
Bessemer Venture Partners IX L.P.
Bessemer Venture Partners IX Institutional L.P.