

LIGHTBRIDGE Corp  
Form 8-A12B  
October 08, 2009

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

FORM 8-A

FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR 12(g) OF THE  
SECURITIES EXCHANGE ACT OF 1934

LIGHTBRIDGE CORPORATION  
(Exact name of registrant as specified in its charter)

Nevada  
(State of incorporation or organization)

91-1975651  
(I.R.S. Employer Identification No.)

1600 Tyson's Boulevard, Suite 550  
McLean, Virginia  
(Address of principal executive offices)

22102  
(Zip Code)

Securities to be registered pursuant to Section 12(b) of the Act:

| Title of each class<br>to be so registered | Name of each exchange on which<br>each class is to be registered |
|--|--|
| Common Stock, Par Value \$0.001            | The NASDAQ Stock Market LLC                                      |

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), check the following box.  x

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), check the following box.  o

Securities Act registration statement file number to which this form relates: \_\_\_\_\_ (if applicable)

Securities to be registered pursuant to Section 12(g) of the Act:

None  
(Title of class)

INFORMATION REQUIRED IN REGISTRATION STATEMENT

Item 1. Description of Registrant's Securities to be Registered.

For a description of the securities to be registered hereunder, reference is made to the information set forth under the heading "Description of Capital Stock" contained in the prospectus included as part of the Registrant's registration statement on Form SB-2 (File No. 333-135437) filed with the Securities and Exchange Commission under the Securities Act of 1933, as amended, which information is incorporated herein by reference.

Item 2. Exhibits.

Under the Instructions as to Exhibits with respect to Form 8-A, no exhibits are required to be filed, because no other securities of the Registrant are registered on The Nasdaq Stock Market, Inc. and the securities registered hereby are not being registered pursuant to Section 12(g) of the Exchange Act.

SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

LIGHTBRIDGE CORPORATION

By: /s/ Seth Grae  
Seth Grae  
President and Chief Executive Officer

Dated: October 8, 2009