

StealthGas Inc.  
Form 6-K  
September 14, 2012

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER**  
**PURSUANT TO RULE 13a-16 OR 15d-16 UNDER**  
**THE SECURITIES EXCHANGE ACT OF 1934**

**For the month of September, 2012.**

**Commission File Number 000-51559**

**STEALTHGAS INC.**

**(Translation of registrant's name into English)**

**331 Kifissias Avenue Erithrea 14561 Athens, Greece**

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(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F  Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

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**EXHIBIT INDEX**

99.1 Proxy Statement for the 2012 Annual Meeting of Stockholders

99.2 Proxy for the 2012 Annual Meeting of Stockholders

99.3 2011 Annual Report and Accounts

**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, thereunto duly authorized.

Date: September 14, 2012

STEALTHGAS INC.

By: /s/ Konstantinos Sistovaris

Name: Konstantinos Sistovaris

Title: Chief Financial Officer and Secretary