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

**FORM 8-K CURRENT REPORT**  
**Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934**

**Date of Report (Date of Earliest Event Reported):** August 12, 2011



**AEROCENTURY CORP.**

(Exact name of registrant as specified in its charter)

Delaware  
(State or Other Jurisdiction of incorporation)

94-3263974  
(I.R.S. Employer Identification No.)

1440 Chapin Avenue, Suite 310  
Burlingame, CA  
(Address of principal executive offices)

94010  
(Zip Code)

(650)-340-1888  
**Registrant's telephone number, including area code:**

Not Applicable  
**Former Name or Former Address, if changed since last report**

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Item 2.02: Earnings Announcement**

On August 12, 2011, AeroCentury Corp. (the "Company") announced via press release the Company's preliminary, unaudited results for its first quarter ended June 30, 2011. A copy of the Company's press release is attached hereto as Exhibit 99.1. This Form 8-K and the attached exhibit are provided under Item 2.02 of Form 8-K and are furnished to, but not filed with, the Securities and Exchange Commission.

**AEROCENTURY CORP.**

Date: August 16, 2011

By: /s/ Neal D. Crispin

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Title: Chairman and CEO