



23 April 2010

The Listing Manager
ASX Limited
Level 8, 2 The Esplanade
PERTH WA 6000

Placement

Structural Monitoring Systems (ASX Code: SMN) wishes to announce that it has entered into an agreement to place 48,279,875 shares to clients of Mac Equity Partners at an issue price of 0.83 cents to raise \$400,723 that will fund the working capital requirements of the company and enable it to fill several outstanding orders for its products. SMN will issue one free option for each share subscribed for with an exercise price of \$0.0085, exercisable within three years of issue. The issue of options will be subject to shareholder approval and an announcement of a shareholder meeting will be made soon.

An Appendix 3B New Issue announcement will be released after the shares have been issued and application made for their listing.

SMN refers to its announcement on 15 March 2010 and advises that the Share Purchase Plan announced on that date will no longer proceed.

Yours faithfully

Colin McDonald
Company Secretary

Australian Office

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ARBN 106 307 322

A public limited liability company incorporated under the laws of England and Wales.

Notes:

Structural Monitoring Systems plc Australian Securities Exchange code: SMN

Company Contact

Mr Mark Vellacott – Managing Director – Ph: +61 (0)8 9204 4844

About Structural Monitoring Systems

Structural Monitoring Systems is a structural integrity sensor system company engaged in commercialising its leading edge Comparative Vacuum Monitoring (“CVM™”) technology, to produce remote crack detection sensor and instrument products based on the patented CVM™ principle that will radically reduce the cost of maintenance and vehicle or plant down-time associated with performing safety critical structural integrity NDT inspections. Durable, simple to design and manufacture, easy to install and use, highly reliable and with a benchmark crack detection capability, CVM™ technology has application in a broad range of commercial, military and industrial market sectors, specifically in air, land and sea transportation systems, power-generation systems, and industrial processing plants.

Structural Monitoring Systems has received accreditations from The Boeing Company and the Australian Defence Force endorsing the use of CVM™ sensors and PM200 handheld monitoring instrument as a suitable means of performing structural integrity inspections. The Company has also achieved a major milestone with Airbus acknowledging CVM as being “Technology Ready” to be included in its commercial aircraft maintenance programs. In the commercial aircraft sector Structural Monitoring Systems has well established relationships with the four largest aircraft manufacturers: Boeing; Airbus; Embraer; Bombardier. Structural Monitoring Systems also has well established relationships with air forces in the US, UK, Europe, Australia, and Asia, and with whom CVM™ technology is being evaluated for various military aircraft structural integrity monitoring applications.

Company Web Site

www.smsystems.com.au

Disclaimer:

Any statements made herein that use the words “estimate”, “prospect”, “expect”, “believe” and similar expressions are intended to identify forward-looking statements. These forward-looking statements may be affected by inaccurate assumption or by known and unknown risks and uncertainties which could cause actual results, performance or achievements of the Company to be materially different from those which may be expressed or implied by such forward looking statements, including among others, risks or uncertainties associated with the development of the Company’s technology, the ability of the Company to meet its financial requirements, the ability of the Company to protect its proprietary technology, potential limitations on the Company’s technology, the market for the Company’s products, government regulation in Australia, the UK, the US or elsewhere, changes in tax and other laws, changes in competition and the loss of key personnel. For additional information regarding these and other risks and uncertainties associated with the Company’s business, reference is made to the Company’s reports filed from time to time with the Australian Securities Exchange. As a result of the predictive character of such forward looking statements, investors should not rely on such statements in making decisions about the Company’s prospects and / or the acquisition or disposal of the Company’s securities.