



6 May 2010

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

**Successful First Installation of CVM™ Bridge Monitoring System In The USA**

Dear Sir

Further to our announcement of 23 March 2010 Structural Monitoring Systems plc ("SMN") is pleased to advise that the first installation of a Comparative Vacuum Monitoring (CVM™) technology based autonomous bridge structure monitoring system for a United States State Government, Department of Transport was completed successfully on 23 April 2010.

The requirement for this system stemmed from the cost, complexity and lead times associated with the repair of a major bridge over the Mississippi River, and the need to be able to continuously monitor the integrity of a particular structural member pending its eventual repair. The CVM™ based system used in this application integrates CVM™ Switch with mobile phone and solar power technology to provide continuous remote monitoring of critical bridge structure that "can phone home" when a problem is detected.

The application is not a trial, the **CVM™ system will be the primary means used to continuously monitor this structure.** As such, this represents an excellent opportunity to showcase this new CVM™ product for the autonomous monitoring of bridge and other infrastructure in the USA, and to form the base of a marketing campaign to address this large market.

During the installation program it was apparent that there is a growing interest from US State Government Departments of Transport in the role that Structural Health Monitoring will play in the safe operation of bridges, and that following the collapse of a bridge in Minneapolis funding is being made available for the introduction of new sensor monitoring systems to monitor aging bridges in the USA.

A presentation detailing the installation of the system can be viewed on the company's web site at: [http://www.smsystems.com.au/\\_content/documents/735.pdf](http://www.smsystems.com.au/_content/documents/735.pdf)

The Company would like to acknowledge to valuable contribution of its technical staff in developing this innovative application of the **CVM™ technology which can be used broadly to monitor infrastructure such as bridges, resource industry plant and equipment, railway and port infrastructure.**

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

Yours faithfully



Colin McDonald  
Company Secretary

**Notes:**

Structural Monitoring Systems plc Australian Securities Exchange code: SMN

**Company Contact**

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**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](http://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.