

**Technology Title: Point Load Sensor**

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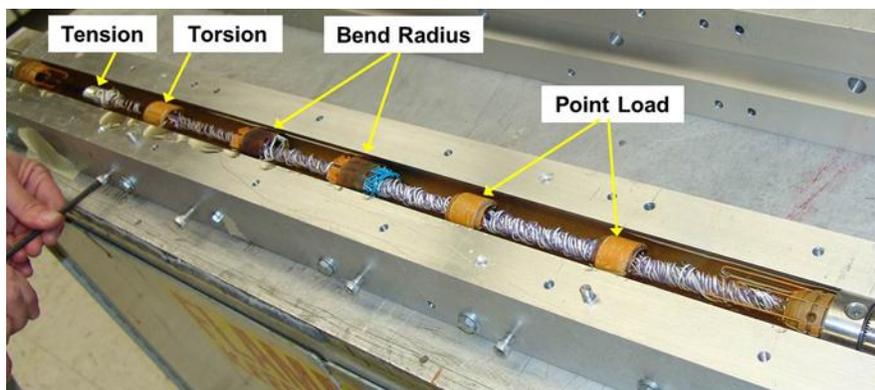
**ABSTRACT**

**Keywords:** point load; sensor; towed array; handling system; compression; measurement

Developed as part of the Towed Array Handling System Measurement System (HSMS) for a towed array, the point load sensor measures how much squeeze type forces an array sees in the handler, irrespective of the arrays circumferential orientation as it goes through the handler. A critical part of the HSMS, the invention allows non-acoustic measurement and characterization of forces on the array to test the impact of engineering changes to the handler as well as new handling system concepts. The HSMS is reeled into and out of the handler with the submarine in dry dock or pierside and utilizes the existing ship signal path eliminating the need for ship alterations or diver support. Protected by a filed U.S. patent application.

**THUMBNAIL**

Non-acoustic measurement and characterization of forces on a ring, such as a towed array in a handling system, allows pierside measurement without diver support. Available for commercialization under a patent license agreement.



*Point Load Sensors in the HSMS Sensor Module as it is being Potted*

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