

## Force measurement for tough applications

**Towcester – UK – February 2011:** In addition to a wide range of standard load cells, load pins and force sensors, Strainsert Inc provide a custom design service that employs their patented integrated strain gauge process, where foil strain gauges are actually bonded and sealed inside small bore holes, as part of complete load bearing components and structures that can be manufactured to design or assembled into free-issued parts.

Available throughout Europe with complete sales and technical support from Ixthus Instrumentation, the UK based experts in non contact position and force measurement, this down-hole strain gauging technique offers considerable benefits for challenging environments where the embedded components remain undisturbed by the environmental conditions and provide years of demanding service. The technique also allows the measurement to be insensitive to off-centre loading, bending and extraneous load forces in load cell and clevis pin designs for high accuracy force measurement from 100 N to 5 MN.

Ixthus Instrumentation has represented Strainsert for a large part of its 50-year history with many successful applications across aerospace, medical, nuclear and offshore industries and many more. Working closely with Strainsert, Ixthus provides a complete service with its knowledgeable technical staff to solve customers' measurement problems.

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High resolution image available for download from [www.tacticalmarcomms.com](http://www.tacticalmarcomms.com) under downloads for Ixthus.

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