



Successful first trials for RiserSure™

RiserSure™ recently reached an exciting stage when the system was put through its paces for the first time in seawater field trials, the earlier system having been subject to laboratory based trials only.

The trials proved that the RiserSure™ concept works effectively, thereby informing the next steps in the system's development, which is that it will undergo an improvement cycle to ensure that it is ruggedised for offshore use.

RiserSure™ is a collaborative project to develop an innovative, underwater digital radiography based inspection system for offshore oil and gas flexible risers – with the capacity to image any damage present in the various metal layers within a flexible riser.

Building on previous work undertaken on an earlier project, the RiserSure™ consortium partners – Innovative Technology and Science Ltd, TWI Ltd, IKH, MISTRAS Group and London South Bank University – are aiming to rapidly bring to market a commercial ready system.

An Innovative Underwater Digital Radiography Based Inspection System for Offshore Oil and Gas Flexible Risers

The team travelled to The Underwater Centre in Fort William, Scotland where trials on a section of flexible riser took place. The RiserSure™ system was integrated with an Iridium-192 radioactive gamma source and lowered, with the riser, into the seawater-fed Loch Linnhe. Through an umbilical link, the team had full control of RiserSure™ from the control room on the surface, allowing the system to image a full 360o section of the riser. High quality radiographic images of the riser were captured which revealed the riser's internal structure.



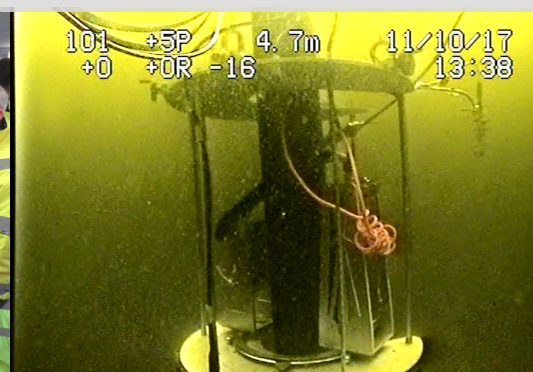
PRE - DEPLOYMENT

RiserSure™ consortium and scanner pre-deployment



REMOTE INSPECTION

The control room for remotely controlling the RiserSure™ system



SYSTEM IN ACTION

Camera image showing RiserSure™ system mounted on a riser as deployed underwater

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