

ANTECH SUB-SEA MDET DETECTOR SYSTEM OFFERS SIGNIFICANT SAFETY BENEFITS

Versatile, Non-invasive Wellhead Sensor Assists Deep Water Operators Position Equipment on Seabed

EXETER, England -- 13 March 2003 -- AnTech Ltd, a specialist engineering design and manufacturing company serving the international upstream oil and gas industries, today announced the introduction of the Sub-Sea MDET Detector system, a versatile wellhead sensor. This wellhead sensor not only assists deep water operators to position specialist equipment on the seabed, it detects the end of coiled tubing inside of a riser.

Deep Water Benefits

With the industry moving further and further into deep water in a strategic move to capture reserves that have previously proven to be inaccessible, operators working in this environment face a number of unique challenges. When working in extremely deep waters of up to 10,000 ft, it can sometimes take upwards of three days to deploy equipment on the seabed. "AnTech appreciates that one of the critical phases of a successful deep water operation is the safe and efficient positioning of equipment on the sea floor. This is where the Sub-Sea MDET can be of real assistance," said Toni Miszewski, Managing Director of AnTech Ltd. "This system makes it possible to effectively 'see' through steel tubulars by way of its remote audible and visible warning system, making the process of proper equipment positioning a much more precise and controlled activity."

Bearing in mind that safety is always of the utmost concern to underwater personnel, an added benefit of the system lies in the fact that the sensors clamp on to the outside of the riser. As a result, they don't interfere with equipment or other necessary activities being carried out on the seabed.

The AnTech Sub-Sea MDET is a wellhead sensor designed to assist oil service providers involved in deepwater operations. The announcement of this new system comes as welcome news, primarily because of the improved safety benefits it offers to sub-sea operators.

The warning system allows equipment to be positioned within a sub-sea riser with an accuracy of just a couple of inches.

Visual and Audible Warnings Alert Operator to Potential Hazard

The AnTech Sub-Sea MDET works like this: a sensor is strapped around the riser from the wellhead. It then detects the passing of a magnetic marker, and relays this information to the cabin giving both a visual and audible warning alarm to the operators.

"When we set out to design a wellhead sensor that would offer a comprehensive warning system, we knew it not only had to relay an alarm immediately, it had to be integrated into the wellhead in an extremely non-invasive manner. With the Sub-Sea MDET, we provide the complete solution: a completely non-invasive system comprised of a sensor that locates the magnetic marker and simultaneously communicates a warning visually and audibly via a control panel on the surface. This way, the operator can take immediate steps to resolve the situation," said Miszewski.

In addition to the obvious preventive measures that the Sub-Sea MDET Detector offers to oil services providers working sub-sea, the system is simple to operate and install.

The Sub-Sea MDET Detector was originally designed to detect the end of coiled tubing through a riser, but as the equipment has evolved, numerous uses have emerged. Such applications include the location of equipment using a magnetic marker both sub-sea and on the surface, and the positive confirmation of the passing of equipment downhole. For

example, detecting cement plugs. AnTech is confident that the system is the most versatile non-invasive detection system on the market today.

About Antech Ltd

AnTech Ltd specialises in the design and manufacture of innovative products for the international upstream oil and gas industries. Founded in 1992 in Exeter, England, AnTech Ltd is known throughout the world for its range of award-winning coiled tubing tools, and related permanent completion products. AnTech Ltd managing director and founder Toni Miszewski holds 12 patents for related oil tools and technologies he developed over the years.

In addition to its pioneering work within the design and manufacture of completion products, AnTech Ltd offers StringView®, the cutting-edge well visualisation software package. This highly regarded software program integrates legacy data systems, making it possible to maintain consistent, professionally presented well diagrams. Recently, AnTech received a **Special Meritorious Award for Engineering Innovation 2002** from *Hart's E & P* magazine. AnTech won the award in the Drilling – Downhole Category in recognition of the COLT, its new gas well drilling system.

As one of the leading design engineering companies in the UK, most major oil services companies have retained AnTech Ltd to develop coiled tubing, downhole and completion tools on their behalf. As a result, operators and service companies actively use AnTech's pioneering products and technology to maximise oil production performance in a safe, and cost-effective manner.

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