

# Case Study:

## OUTLAND TECHNOLOGY ROV-3000 FITTED WITH IMPACT SUBSEA'S ISFMD



### FEATURES & BENEFITS

#### > SEAVIEW SOFTWARE

Visualise all readings & generate survey reports.

#### > ISA500 ALTIMETER

Can operate as altimeter when FMD App is not in use.

#### > TITANIUM PROBE

Highly robust and long lasting sensor probe.

#### > INTEGRATED AHRS

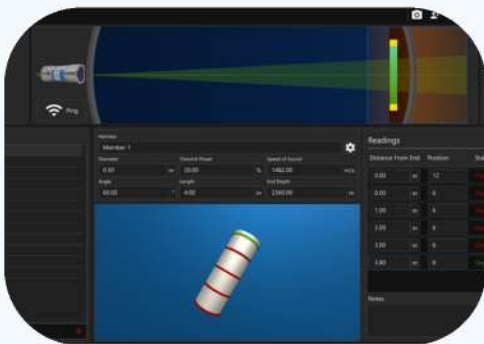
Understand exact orientation of probe at time of contact reading.

#### > MULTI-ECHO OUTPUT

Visualise return if Flooded Member is detected.

#### > DEPTH\*

Using the ISD4000, log the Depth & Temperature at time of reading.



Impact Subsea's flooded member detection system has been integrated onto Outland Technology's newest and most powerful model ROV-3000, designed for ease of use and ruggedness.

The combined ROV-3000 and ISFMD system will be put to work by Offshore Drone Inspection Services for a wide variety of inspections in the Gulf of Mexico.

The ROV-3000 manufacturer, Outland Technology is a privately owned, family-run, U.S. producer of high-quality underwater video, lighting and remotely operated vehicles (ROVs).

The new ROV-3000 pushes the limits of inspection class ROVs. Features include a 2,000 feet (600 meters) depth rating, auto depth, auto heading, auto pitch, and tool-free maintenance.



ISFMD sensor installed on the ROV-3000.

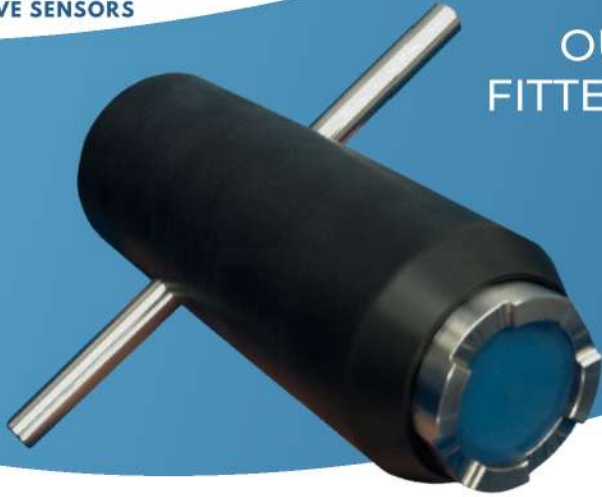
### SYSTEM COMPONENTS:

ISA500 Probe | Probe Holder | seaView FMD App | ISD4000 Depth Sensor\* |  
100 or 200m Cable\* | Aluminium Transport Case\* | Topside Power Supply\* |

\*Optional



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Scotland based Impact Subsea, designs, manufactures and supports a range of high-performance sensor solutions for underwater vehicles and associated applications.

The company's sensor solutions are used in the oil and gas, renewables, underwater research and defence sectors..



### Impact Subsea's ISFMD Flooded Member Detection System

The ISFMD system is the first of its kind to utilise digital acoustic detection instead of typical harmful gamma rays to inspect offshore platform members or subsea pipelines for flooding as a result of cracking, damage, corrosion, and/or other defects.

The ISFMD is suitable for small ROV deployments as it uses a compact broadband ultrasonic probe paired with an advanced digital signal processing engine to provide the most reliable readings on the market today.

Sean Mayfield of Outland Technology commented on the systems easy set-up and installation;

**"We just finished implementing the ISFMD tool on our newest ROV-3000, It worked out amazing!**

**We delivered it this morning and the customer is super excited about using it for the first time."**

Ben Grant, Managing Director, Impact Subsea added;

**"The ISFMD System provides the latest in underwater, ultrasonic Flooded Member Detection technology.**

**It provides the most advanced and reliable Flooded Member Detection available today.**

**Adding the ISFMD sensor to the ROV-3000 provides a very capable means of performing Flooded Member Detection surveys using an underwater remotely operated vehicle."**