

Case Study:

VIDEORAY SELECTS IMPACT SUBSEA FLOODED MEMBER DETECTION SYSTEM



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

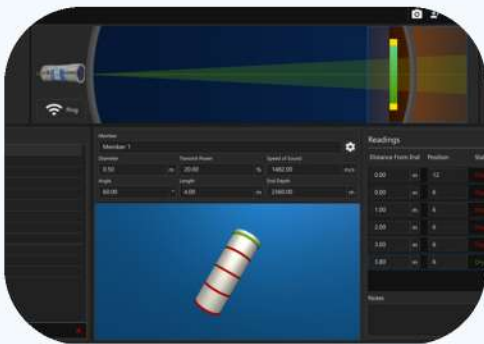
Understand exact orientation of probe at time of contact reading.

> MULTI-ECHO OUTPUT

Visualise return if Flooded Member is detected.

> DEPTH*

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



VideoRay, a global leader in inspection-class ROVs, has selected the Impact Subsea ISFMD Flooded Member Detection system, as an available option for their Mission Specialist Defender series of Remotely Operated Vehicles (ROVs).

The Mission Specialist Defender is a robust ROV designed for precise control of the vehicle position and orientation, heavier payloads, and demanding intervention.

As such, it has seven thrusters enabling it to move in any direction and maintain an active pitch to face the vehicle upwards or downwards, making it an ideal platform for FMD surveys.

It is also capable of several third-party additions, now including the new ISFMD system to serve the oil and gas industry.



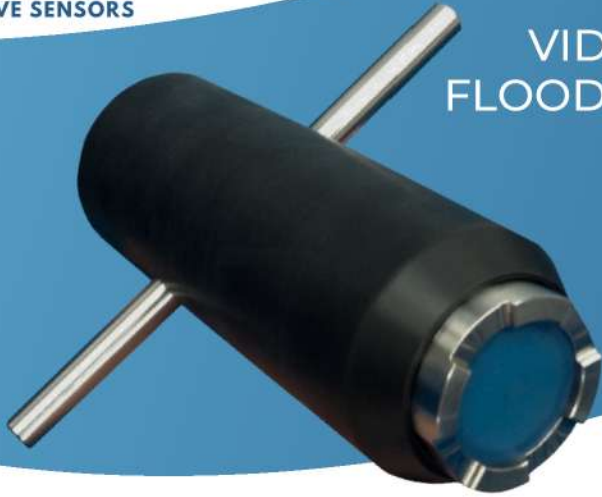
Mission Specialist Defender ROV with ISFMD integrated

SYSTEM COMPONENTS:

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

*Optional

VIDEORAY SELECTS IMPACT SUBSEA FLOODED MEMBER DETECTION SYSTEM



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.

Scott Bentley, CEO of VideoRay, commented on the system;

"Flooded Member Detection is a key capability for our offshore users,

We are proud to have the Impact Subsea system, the acknowledged leader in this field, as a tool on the Defender.

It will be a game-changing upgrade for our infrastructure inspection partners."

Ben Grant, Managing Director, Impact Subsea commented;

"In collaboration with our USA representative, ECHO81, we are delighted to support VideoRay in the provision of the Impact Subsea Flooded Member Detection System.

The highly compact and powerful nature of our ISFMD system aligns perfectly with the extremely capable and compact VideoRay ROV.

This collaboration enables a very cost-effective method of performing Flooded Member Detection surveys."