

# Case Study:

## ACCURATE CABLE TOUCHDOWN MONITORING WITH ISS360HD IMAGING SONAR



### FEATURES & BENEFITS

- > **100 METER RANGE**  
Long range imaging.
- > **6,000M DEPTH RATING**  
Ideal for shallow and deep water.
- > **PITCH & ROLL\***  
Provides Pitch and Roll to 0.2° accuracy.
- > **SMALL FORM FACTOR**  
Highly compact high resolution imaging sonar.
- > **BROADBAND TRANSDUCER**  
Excellent image quality & range.
- > **NO SLIP RINGS**  
No components to wear.

\*Optional



The subsea world can be a murky place, making it challenging to monitor crucial operations like cable deployment.

This is where the ISS360HD Imaging Sonar comes in, integrated with North Sea Systems' innovative CableFish® system.

This powerful combination enables accurate visualisation and real-time monitoring of cable touchdown points during deployment.



North Sea Systems' innovative CableFish® system

### APPLICATIONS INCLUDE:

ROV & AUV Navigation | Target Identification | Diver Navigation |  
Port Surveillance | Motion Reference | Search & Recovery |



# Case Study:

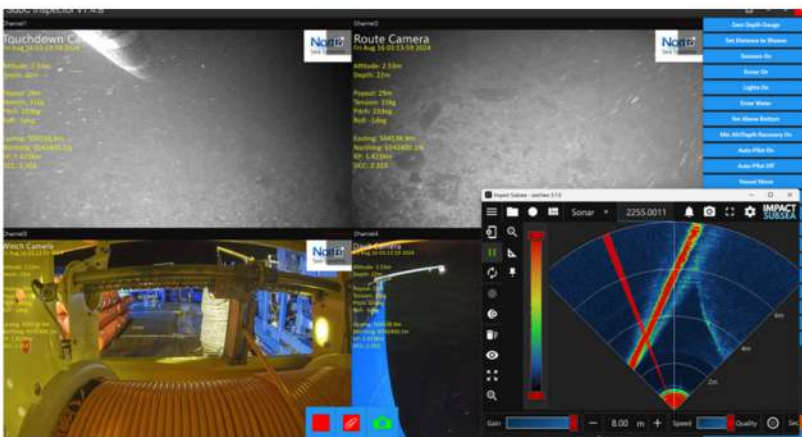
## ACCURATE CABLE TOUCHDOWN MONITORING WITH ISS360HD IMAGING SONAR

### Unveiling the Invisible: Benefits of ISS360HD

The ISS360HD goes beyond traditional methods by providing a continuous clear visual image of the cable throughout deployment. This is especially valuable in zero-visibility conditions where cameras are not an option.

Key features:

- High-resolution imaging: Provides a detailed view of the cable and surrounding environment.
- All-weather performance: Operates effectively regardless of visibility.
- Side-on view: Achieved by vertically deploying the ISS360HD offering a unique perspective on the operation.



**CableFish® Cameras and Impact Subsea's ISS360HD Sonar Image, bottom right.**

### CableFish®: Revolutionising Subsea Cable Touchdown

The CableFish® system leverages the power of the ISS360HD, combined with the ISA500 Altimeter and ISD4000 Depth Sensor, to enable faster and more precise subsea cable installations.

These additional sensors provide critical data for accurate cable deployment and positioning.

Key benefits of CableFish®:

- Effective in challenging environments: Handles shallow waters and high currents where traditional Remotely Operated Vehicles (ROVs) struggle.
- Continuous monitoring: Provides real-time data for informed decision-making throughout deployment.
- Automated operation: Automatically maintains a set altitude above the seabed, providing consistent monitoring with minimal personnel requirements and therefore significant cost savings.