



USE CASE

# Subsea - ROV





# SUBSEA ROV

## Key Takeaways

- *HUVR enables subsea asset owners and inspectors to easily manage large video files*
- *Stakeholders can stream files in a browser, giving easy access to data*
- *Standardized data leads to more insights, driving increased efficiency and reduced costs*

## Problem

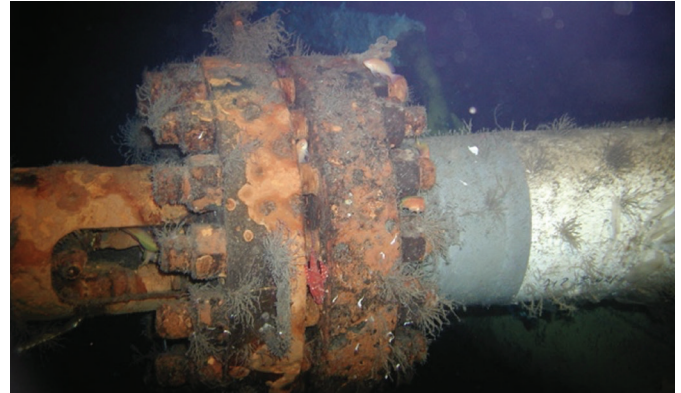
Maintaining subsea asset health requires regular inspections of wellheads, manifolds, pipelines and other components; any number can be inspected in a single dive. These inspections are expensive and complicated. They require specialized crews and support vessels operating under in extreme conditions.

The inspection files are typically large video files, which must be transcribed, moved and stored. However, once the initial inspection is done, getting these files in front of the right eyes can be difficult, as internal systems are often locked down for cybersecurity, making transfer externally through file-sharing services impossible. Sometimes files are only available for a limited time, making later retrieval impossible. Email is not effective because these files are too large for most email programs to handle, leading to sliced-up videos arriving in a deluge of messages.

This often puts stakeholders in the position of having to reassemble multiple files into a single video—or deal with corrupted data—when something must be reviewed for reporting. This wastes time and effort on recordkeeping.

## Solution

HUVR's inspection data management system (IDMS) can streamline your subsea asset inspection workflow. All imagery can be hosted on our platform, allowing for a number of benefits. Obviously, all the data is kept in one place, eliminating silos and the need to hunt for particular videos. Large files do not need to be continuously moved around; they are streamed from the platform, enabling fast and easy browser-based viewing.



*Typical still image from an ROV inspection*

When inspectors are filming the videos, they can record audio commentary via a voice-to-text AI tool which produces searchable transcriptions.

This automatic transcription is tied to the timecode, allowing inspectors to find the exact moment in the video where the component of interest is visible to the ROV. All engineers and stakeholders can access the video directly from the same portal, ensuring everyone is operating from the same set of facts.

## Outcome

By using the HUVR IDMS platform to handle subsea ROV inspection data, using robotic tools is made far easier—plus, the difficulty of managing the files is eliminated. Since teams can focus on inspection and not data management, they can devote more time to managing asset integrity, which results in safer and more productive assets.

The information can be standardized to be comparable with other sources of inspection data, providing both easier reporting and a holistic view of an entire plant or system. This results in the ability for stakeholders to recognize trends once hidden in discrete silos, track the remediation of findings and save money and increase the bottom line through analytics.

**Interested in learning more about HUVR?**  
Schedule a 1-on-1 demo.

Contact [sales@huvrdata.com](mailto:sales@huvrdata.com) to schedule today