



# R2S<sup>®</sup>

## supports decommissioning for oil major

### Challenge

- An international oil major was approaching the decommissioning stage of multiple assets off the coast of Nova Scotia, Canada. Ageing assets, particularly unmanned facilities, require regular intervention by helicopter, resulting in substantial costs.
- Multiple contractors bidding for decommissioning projects coupled with an already intensive maintenance schedule meant there were high demands on limited POB.
- Weather had a routine and significant impact on access to the platform, making it more difficult and unsafe to transport personnel to the asset.
- These factors resulted in the operator requiring remote access to the asset, facilitating work to be planned and assessed onshore, reducing the cost and difficulty of transporting personnel offshore.

### Solution

- James Fisher Asset Information Services (AIS) implemented its R2S digital twin solution across all assets in the region to play a strategic role as the planning tool for decommissioning, enabling the operator to understand the integrity of its assets. This improved remote collaboration, increased efficiencies and reduced the need to travel to the asset.
- Multiple assets were digitally captured, built by AIS' team and delivered to the customer in one project, enabling the teams to visualise all the information relating to their assets within one central platform.
- Extensive onshore and offshore training was delivered to ensure the teams could derive the greatest value from the digital twin platform, and would promptly integrate it into their workflows.

### Results

Having implemented R2S, the operator was able to more efficiently plan and prepare for decommissioning while improving ongoing operations. Additionally:

- Access was provided to decommissioning contractors, reducing the risk and cost involved in going offshore to plan.
- Improved accuracy of bids and tenders reducing cost and risk to the operator and third party.
- R2S supported information sharing and communication with the local regulator, allowing them to reduce the risk level associated with a potential environmental impact.
- Recognised a positive behaviour change internally with R2S being consulted prior to arranging any travel or offshore work, providing teams with the time to collaboratively solve problems.