



# R2S<sup>®</sup>

## extends life of an ageing asset

### Challenge

- Project teams at the Americas-based oil and gas company were experiencing significant corrosion and integrity issues with its floating deepwater production facility in the Gulf of Mexico.
- The ageing asset was causing a loss of production due to downtime, creating a corrosion backlog and subsequent impact on POB pressures and safety.
- The company was looking for cost-effective and sustainable methods for extending the asset's life.

### Solution

- James Fisher Asset Information Services (AIS) provided a full capture and build of the asset using its powerful R2S digital twin software.
- A like-for-like model copy of the asset enabled multiple teams to successfully visualise and navigate the asset remotely. All data regarding the asset was housed on the digital platform, enabling the company to have easy access to real-time data.
- Using R2S, the AIS team conducted a corrosion analytics pilot in order to detect problematic areas needing repair.

### Results

Having adopted R2S technology, the oil and gas major achieved significant efficiencies, including:

- Substantial cost savings of up to 25% as R2S enabled more accurate and efficient project scoping.
- Faster decision making for inspection, repair and maintenance of the asset through the early detection of problematic areas including corrosion.
- Improved safety as the need for offshore inspection was reduced through R2S' remote digital asset management capabilities.