



R2S[®] manages complex data

Challenge

- A large National Oil Company (NOC) was facing significant challenges in managing large volumes of complex data.
- Multi-disciplinary teams were using multiple information management systems and lacked mechanisms to collaborate and share information effectively.
- The NOC was looking for a single digital platform that would help manage asset information and improve facility understanding via efficient visualisation.

Solution

- Following a thorough assessment of existing systems, James Fisher Asset Information Services (AIS) sent specialist digital surveyors to capture multiple assets using advanced photogrammetry.
- Data-rich virtual replicas of the platforms were produced and made available within R2S, a powerful digital twin platform.
- The tool allowed multi-disciplinary teams to visualise the status of the different assets remotely as well as include and update any type of operational data within the digital models.

Results

By using R2S the NOC was able to:

- Improve data management by segmenting and fostering understanding of current unit control.
- Boost collaboration and decision making via improved information-sharing and decision making processes.
- Enhance planning by identifying anomalies remotely and better planning preventive and corrective maintenance actions.
- Improve onshore design by mitigating and minimising errors such as 'failure to fit' risks in the design phase.