



R2S[®]

digital twin set to digitalize the Americas

Challenge

- An Americas based National Oil Company (NOC) with a prominent regional footprint was hampered by vast volumes of data held in unconnected software and legacy databases.
- Engineering and operational teams were unable to quickly and efficiently find existing information, creating project delays, cost overruns, and duplication of effort including re-survey.
- The NOC wanted to explore efficient and proven methods to digitalize their assets to reduce cost including less travel to the field, improve collaboration through better sharing of data, and to save time by improving the structure and accessibility of asset data.

Solution

- Having understood the NOC's challenges and requirements within the region, James Fisher Asset Information Services (AIS) delivered R2S digital twins for six assets to create data-rich models that enables efficient asset management.
- The digital twin models allow teams to visit the assets remotely and be able to visualize all the information relating to their assets within one central platform, saving time and money.

Results

With R2S, the Americas NOC has been able to:

- Build a greater understanding of their unit controls
- Identify anomalies remotely
- Better plan maintenance activities (both preventative and corrective)
- Enhance superior decision making

R2S has allowed the oil and gas company to make significant time and financial savings, as the software facilitates fewer trips into the field and provides improved data management, bringing all operational data together within a single and user-friendly platform.

The NOC is now looking to adopt R2S for all its projects and continue to expand its digitalization journey.