



R2S[®] saves time and money at LNG facility

Challenge

- The Indonesian LNG refinery of a major international oil company (IOC) required stringent approvals to reach the extremely remote facility, amounting to 20 hours travel time which involved two flights and a boat transfer from the nearest hub city.
- As well as a challenging access process, the asset had limited internet and communications.
- These factors made it challenging for teams to collaborate across site and off-site, resulting in substantial spend and time expenditure getting people to the asset.

Solution

- James Fisher Asset Information Services (AIS) provided the R2S digital twin solution as a remote alternative to travelling to the plant.
- AIS provided an asset capture, model build and integration of equipment tags as well as significant user training to boost adoption of the platform.
- Local legislation required that no data should leave the country, so AIS worked closely with the IOC and a local partner company who supported the project and provided training and ongoing support.

Results

The IOC shared five use cases in which R2S has resulted in saving time, reducing costs, improving safety and enhancing collaboration - contributing to a significant ROI:

- Enabled TAR personnel to plan work remotely by significantly reducing trips to site.
- Reduced travel costs and expedited project plan time for a facility project implemented by a third party based in Japan, by reviewing the facility condition remotely.
- Provided sufficient visibility of the asset for the well operations team to comfortably plan their work, resulting in the cancellation of excess site visits.
- Provided the ability to safely and remotely train apprentices on operations, production facility layout and all installed equipment.
- Ensured a digital twin is available remotely in the unlikely event of a crisis, instilling confidence in the crisis and continuity management team's contingency plans.