

case study

Transforming asset management in Trinidad and Tobago

James Fisher AIS partnered with a regional surveying company to digitize critical onshore and offshore assets.

LOCATION: TRINIDAD AND TOBAGO

START / END DATE:
JULY 2024 - PRESENT

17

digital twin assets
in 4 months



The challenge

To improve safety, accuracy, and efficiency in inspection, assessment, and planning for repairs or modifications, a leading energy company in Trinidad and Tobago sought to enhance their asset management capabilities. Their solution: leveraging laser scanning technology to generate precise 3D models and visual representations, empowering engineering and maintenance teams with detailed, reliable data.

Our solution

- AIS and the partner collaborated to digitize critical onshore and offshore assets, delivering the first three digital twins in just 10 days
- The R2S platform combined all data into one digital environment, making it easy for teams to inspect, measure, and plan repairs
- Over 50 users accessed detailed asset visualisations remotely, improving communication, reducing site visits, and supporting efficient planning and repairs

Our impact

- Enabled more efficient planning and execution of engineering tasks, such as integrity assessments, inspections, and repairs
- Enabled stakeholders to collaborate in real-time with 360° visualisations, reducing costs from repeat site visits
- Reduced risk by enabling teams to assess asset conditions from multiple perspectives remotely