



# R2S<sup>®</sup>

## reduces OPEX in offshore wind

### Challenge

- As offshore wind farms move further out to sea and turbines increase in size and power, operations and maintenance (O&M) costs have escalated.
- For every hour of downtime during the inspection and maintenance of a turbine, it can cost wind farm owners and operators up to £1000 in lost productivity.

### Solution

- Having been utilised in the oil and gas industry for over ten years, James Fisher Asset Information Services (AIS) developed R2S, its digital twin solution, to add value to the offshore wind industry.
- Creating 360° virtual models embedded with data, R2S presents asset data in a real-world context and enables users to see a highly detailed representation of the asset, saving time and money through remote inspection.
- Acting as a window to all data available on a particular asset, wind farm owners can integrate their own imagery and third party data such as drone footage and laser scans, giving a better representation of the asset.
- Data tags can also be included to provide service reports on particular components of the asset.

### Results

By using R2S, wind farm owners and operators can:

- Improve data accessibility and management by allowing all the data pertaining to an asset/project to be linked and contextualised in one place.
- Enhance familiarisation and training via digital copies and easy access to all relevant information before deployment.
- Reduce man-hours and save money by eliminating non-essential journeys and reduce travel.