



R2S[®]

saves \$20 million in the North Sea

Challenge

- Difficulties facing North Sea operators include underlying integrity and reliability challenges, coupled with large work scopes due to the age of facilities, with limited POB.
- New techniques and discoveries of additional hydrocarbons drove asset extension programmes, further increasing scope of offshore operations and demand for bed space.
- To address these challenges, whilst maintaining safe and productive operations, the customer instigated a renewal programme across its fixed UK assets to establish a more sustainable operating model.

Solution

- An R2S digital twin was created for one of BP's large production platforms, creating a data-rich virtual walk-through of the facility.
- R2S enabled operators to view job sites, carry out initial access surveys and allow personnel to familiarise themselves with key areas, without having to make a visit offshore – saving time, saving money and improving safety.
- Working alongside BP to minimise disruption, specialist R2S digital surveyors captured the facility, creating over 7,000 images that provided comprehensive visual coverage of the asset.

Results

- Resulting in a \$20 million saving, R2S has successfully shown immediate return on investment, adding value to BP's offshore renewal programme - saving time, saving money, improving safety and enhancing collaboration.
- Planning and resource efficiencies have improved by ~10%, reducing the requirement for bed space as well as a noticeable reduction in quality failure.
- Extensive information searching and database capabilities has significantly improved work pack creation, reports and other critical documentation.