An independent operator installed two GoLift™ straddle subs in a subsea well on the UK continental shelf. The existing well was not originally completed with gas lift mandrels. The well needed to be shut-in for an extensive period to build up pressure. With the well put on production, it soon loaded with water and production ceased. With the GoLift™s installed, the operator achieved steady production of 1000-1500 bbl/day of oil.

Challenge
An existing well in the UK sector of the North Sea was not originally completed with gas lift mandrels. The well needed to be shut-in for an extensive period to build up pressure. With the well put on production, it soon loaded with water and production ceased.

Solution
PTC’s engineers demonstrated how the well production rate could be improved by utilizing two GoLift™ straddle subs within the 5-1/2” production tubing. In order to reach the optimal injection depth, one unloading and one operating valve was installed.

Result
The GoLift™ systems enabled lift gas to be injected at nearly 7500ft which allowed the operator to achieve steady production of 1000-1500 bbl/day of oil. It was estimated that the costs for the entire intervention operation, including all equipment, personnel and the intervention vessel were recovered after 68 days of production.

Key Information
- Region: UK
- Customer: North Sea Operator
- Well Type: Subsea

Case Benefits
- Retrofit gas lift design to avoid a costly workover. Prior to the intervention the well only produced intermittently for very short periods.

Key Capabilities
- Gas lift for wells without side pocket mandrels or mandrels set at incorrect depths.

Typical Applications
- Retrofit gas lift to increase production
- Retrofit gas lift for gas well dewatering
- Retrofit annulus to tubing bleed off.