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Subsea structure during installation activities
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Field Information

The Brent field, operated by Shell, lies off the north-east coast of Scotland, midway between the Shetland Islands and Norway. It is one of the largest fields in the North Sea and is served by four large platforms - Alpha, Bravo, Charlie and Delta. When the Brent field was discovered in 1971, it was one of the most significant oil and gas finds made in the UK sector of the North Sea. At that time the expected life span of the field was 25 years at the most. To date, the Brent field has produced around three billion barrels of oil equivalent. Now, after many years of service to the UK, the Brent field is reaching the stage where almost all the available reserves of oil and gas have been retrieved. The next step in the lifecycle is to retire or 'decommission' the Brent field's four platforms and their related infrastructure.

Source: Shell.co.uk



OUR VALUES É03

PROJECT CLIENT

Shell



Safety

Ę.) Performance



Collaboration





Project at a glance

Subsea 7's workscope involved the Engineering, Procurement fabrication and installation of two structures, 7km pipeline and 11 spools.

The workscope allows the client to decommission two platforms from one of the North Sea's oldest and most successful field developments as well as providing tie-in points for future developments.

Highlights

- Award to execution in less t 12 months.
- Completion will allow full decommissioning of the Bre Alpha and Bravo platforms.
- Use of 36-inch isolation too 36-inch mechanical connec (20t) on the FLAGS trunk lin supplies 30% of the UK's ga





Brent Bypass Phase 2 and Gas Export Pipeline

Full project information overleaf

than	• Executed in collaboration with the client to utilise low cost specifications and industry standards.
ent	• 7km of 16-inch pipeline.
bl and	 11 tie-in spools (16-inch and 36-inch).
ctor ne which	• 2 subsea structures (150t and 250t).
jas.	• Project provides future tie-in point for Shell Penguins project.
Our Differentiators	











Shell Brent Bypass Phase 2 and

After the successful completion of Phase 1 of the Brent Bypass, Subsea 7 were awarded Phase 2 of the decommissioning scope of the Brent Field in the North Sea. Subsea 7's workscope involved the engineering, procurement, construction and installation (EPCI) of two subsea structures, 7km of 16-inch pipeline and tie-in of eight 16-inch and three 36-inch spools

The project allows the client to decommission two platforms from one of the North Sea's oldest and most successful field developments as well as providing tie-in points for future developments, including the Shell Penguins project which

Subsea 7 committed to deliver the Gas Export Pipeline (GEP) workscope in a tight timescale which has allowed Shell to

Use of a 36-inch isolation tool and 36-inch mechanical connector (20t) on the FLAGS trunk line which supplies 30% of the UK's gas. These items were selected for their cost and time benefits to the overall project. This connector was the largest of

• Vigra Spoolbase in Norway was utilised for the fabrication and loadout of the 7km 16-inch pipeline.

• Various Subsea 7 vessels undertook offshore operations for this project along with several third party vessels.

