Asset spotlight - Clair Ridge

The Clair Ridge project develops new resources from the Clair field – the largest oilfield on the UK Continental Shelf (UKCS).

The Clair field was discovered in 1977, but challenging reservoir characteristics and the technological limits of the time meant it was 2001 before BP and partners approved a development plan for a first phase of development.

Phase One was brought on stream in 2005, targeting approximately 300 million barrels of recoverable reserves. It was the first fixed offshore facility to be installed in the West of Shetland area.

To the north of Phase One is Clair Ridge, where BP is targeting 640 million barrels of recoverable resources. The multi-billion-pound investment by BP and partners delivered two new bridge-linked platforms, offshore construction for which was completed in 2016.

The hook-up and commissioning of the platforms was the largest in the North Sea in more than 20 years, involving more than 8,000 people with 750 offshore at any given time.

Technology played a massive role in turning this discovery into a reality. It is now playing a major role in revitalising production, thanks to the first offshore deployment at Clair Ridge of BP’s enhanced oil recovery technology, LoSAF, which seeks to increase oil recovery from reservoirs by using reduced-salinity water in water injection.

This has the potential to result in up to 40 million additional barrels being cost-effectively recovered over the lifetime of the development.

Designed to produce into the 2050s, Clair Ridge production capacity is expected to peak at 120,000 barrels per day.

Clair Ridge

2018 saw another major milestone for BP in the North Sea with the start-up of our multi-billion-pound Clair Ridge project, targeting 640 million barrels from the Clair field located 75 kilometres to the west of Shetland.