

Fact Sheet: The Valhall Complex

(The information courtesy of BP)

The existing Valhall complex consists of five bridge-linked platforms: a living quarter platform (QP), a drilling platform (DP), a production and compression platform (PCP), a wellhead platform (WP), and a water injection platform (IP). Two not normally manned wellhead platforms, Valhall Flank South (VFS) and Valhall Flank North (VFN), have been installed about 6 km from the Valhall complex.

Oil is evacuated via 2/4 J platform in the Ekofisk Field to Teesside in UK, and gas is exported directly into Norpipe (Gasled) for onward transportation to Emden in Germany. Since original project sanction reserves have grown from 247 Million Barrels (MMBBL) to the current 1050 MMBBL; 529 MMBBL remains to be produced.

The Valhall facilities are subject to reservoir compaction resulting in seabed subsidence (about 25cm/year); as a result the water depth at site has increased by about 5.4 m since the installation of the facilities in 1981-82. Based on wave considerations, reduction of air gap, and operation of the original facilities it has been decided to replace the PCP and QP with an integrated Production-Hotel (PH) facility in 2009.

This new build facility, included within the Valhall Re-Development (VRD) project, comprises a 4-leg fixed steel platform installed on the south side of the existing IP platform linked by two bridges to IP. The topsides is comprised of 150 MBOPD (Million Barrels of Oil Per Day) and 175 mmscf/d (million standard cubic feet/day) processing deck with utilities (utilizing a skid-based design and execution methodology), a flare boom structure, a Living Quarters (LQ) with 150 single bed cabins, a Power From Shore (PFS) module, a Solids Handling Module, and two Future Modules.

Main power for the VRD Facilities will be imported from shore via a DC cable link with a nominal power rating of 78 Megawatts.

The design life for the platform is 40 years.

For more information please see www.bp.com