



Britannia Facility

High level capacity information & infrastructure specific information for prospective users

Infrastructure Information

Description:	The Britannia facility processes oil, condensate and gas from the Britannia, Brodgar, Callanish, Enochdhu and Alder fields. Gas is exported by pipeline to the Scottish Area Gas Evacuation (SAGE) Terminal at St Fergus. Condensate is exported by pipeline via the Unity platform into the Forties Pipeline System (FPS). To enable production over Britannia, tie-ins could occur at either the Britannia platform, the bridge-linked platform (BLP), or any one of the subsea manifolds; Britannia, Brodgar, Callanish, Enochdhu or Alder (Alder is operated by Chevron). There are also three spare risers on the BLP.
Entry Specification:	Dependent on the point at which any potential third party would enter the Britannia facilities and the composition of production already being processed at that time (also includes areas that cover onward transportation)
Exit Specification:	Liquids are exported via FPS (directly negotiable between prospective third party and FPS). Any exit specification must be achievable with the processing facilities available on the Britannia facilities. Gas is exported through the Britannia pipeline for further processing within the SAGE Gas Terminal at St Fergus. Exit specification is the National Transmission System specification at that point.
Outline details of Primary separation processing facilities:	Primary separation consists of: Britannia Platform - HP Separator (3 phase)*, Platform Well Test Separator (3 Phase)*, Subsea Well Test Separator (3 Phase)**, MP Separator (3 Phase). Bridge Linked Platform (BLP) - Brodgar HP Separator (2 Phase), Callanish Separator (3 Phase), Brodgar IP Separator (3 Phase), Alder Separator (3 Phase). * Water is separated, metered and recombined. ** Subsea Well Test Separator is being repurposed as the Finlaggan Separator (3 phase) in 2019
Outline details of gas treatment facilities:	Booster compressor is available upstream of the gas treatment and compression trains and allows the Britannia HP Separator to be operated at a lower pressure. There are two parallel gas treatment and compression trains each reducing hydrocarbon dewpoint and water content before compressing the gas for export.

High Level Capacity Information

The basic capacity information is portrayed by colour coded 'traffic lights' that reflect thresholds of availability over the next 5 years

Available Capacities	> 25% 5% to 25% < 5% Unknown/None	
Description	Current Capacity (at current operating conditions) Ullage as % of reduced pressure system capacity Comments	
	2019 2020 2021 2022 2023	
Oil export capacity	67,800 bbl/d 	
Booster Compressor Capacity	302 mmscf/d 	
Gas compression capacity	740 mmscf/d 	
Gas export capacity	740 mmscf/d 	
Gas lift capacity	30 mmscf/d 	
Dehydration capacity	815 mmscf/d 	
H2S removal capacity	none 	
Produced water handling capacity	51,600 bbl/d 	
Water injection capacity	none 	Topsides modifications would be required to provide water injection.
POB capacity	184 POB 	Sleeping accommodation has been upgraded to 184.

Contact information

For further enquiries regarding the above please contact:

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