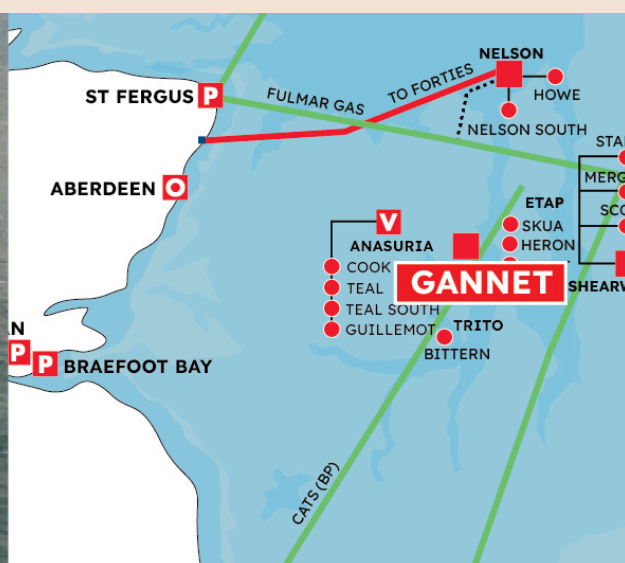


# GANNET COMPLEX

## INSTALLATION

The Gannet Complex comprises of a fixed drilling and production platform for Gannet A, B, C, D, F and G fields. Gannet Alpha installation is a fixed offshore drilling, production and accommodation platform which processes oil and gas from the Gannet A, B, C, D, F and G fields. The Gannet B, C, D, F and G fields are exploited via subsea wellheads tied back to the Gannet A installation by oil and gas production, gas lift and gas injection pipelines.



## KEY FACTS

- **Block:** 22/21, 21/25, 21/30, 21/25b, 21/30b, 21/30c, 21/30d, 22/21a, 22/21b, 22/26a
- **Sector:** Central North Sea
- **Approx distance to land:** 180km (112 miles) East of Aberdeen
- **Water Depth:** 312ft (95m)
- **Hydrocarbons Produced:** Oil and Gas
- **Export Method Oil:** Oil is exported via the Norpipe Export System to Teesside. Gas is exported via Fulmar gas pipeline to St Fergus
- **Operated / Non-Operated:** Operated

## INFRASTRUCTURE INFORMATION

- **Entry Specification:** Sweet Crude Oil and associated gas
- **Exit Specification:** Refer to Fulmar Gas line Entry Specification
- **Outline details of Primary separation processing facilities:** Two HP and three LP 1st stage separators, multiple stages of gas compression, three further stages of oil/water/gas separation, produced water handling with overboard discharge
- **Outline details of gas treatment facilities:** Multiple stages of gas compression, glycol contactor for gas dehydration and export coolers

## 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

Gannet firm processing capacity available	Ullage as % of system capacity					Comment
	2026	2027	2028	2029	2030	
Oil export capacity - 62,900 bbls/d	●	●	●	●	●	HP Oil Export Pumps P-1030/31 limit
Gas compression capacity - 90 mmscf/d	●	●	●	●	●	Capacity constraint based on rewheeling of K2030/2040 in 2021 to reduce electrical load and improve emissions
Gas export capacity - 90 mmscf/d	●	●	●	●	●	Maximum compressor capacity following new export compressor bundle installation in 2021 will be ca. 80MMscf/d with discharge pressure of 165barg.
Gas lift capacity - 90 mmscf/d	●	●	●	●	●	Actual Ullage based on 'Gas compression capacity' - 'Gas export capacity' usage
Produced water handling capacity - 80,000 bbls/d	●	●	●	●	●	Based on the capacity of IGFU at 11,900 m <sup>3</sup> /d and produced water flash drum capacity of 5000m <sup>3</sup> /d
Dehydration capacity - 130 mmscf/d	●	●	●	●	●	Based on V-2060 TEG contactor mistmat capacity
H2S removal capacity - N/A	None present					
Water injection capacity - N/A	None present					

## CONTACT INFORMATION

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