

ASSET SUMMARY



The Flotta Terminal is a crude oil storage and processing terminal, located on the island of Flotta in the Orkney Islands, just North of mainland Scotland. The terminal was commissioned in 1977, covering a 395 acre site, approximately one sixth of the Flotta Island.

Crude oil is imported to the Flotta Terminal from several offshore installations via a 30" * 210km subsea pipeline, namely the Repsol Sinopec operated Claymore and Piper 'B' platforms and their associated fields – Scapa and Tweedsmuir. The pipeline is also fed through the CNOOC operated Golden Eagle field.

The Steel Piled Jetty can accommodate tankers of 150,000 dw tonnes with a maximum crude oil loading rate of 80,000 BPH. The terminal sees approximately 35 crude tankers per year.

ENTRY / EXIT SPECIFICATIONS

Subject to negotiation with the Flotta Terminal Operator

PRIMARY SEPARATION PROCESSING FACILITIES

The crude oil processing facilities consist of two separate crude stabilisation trains, operating in parallel. This allows a design maximum plant flowrate of 250,000 bbl/d to be processed.

The main systems which make up each crude stabilisation train are as follows; First Stage Desalting, Second Stage Desalting, Stabilisation and Stabiliser Side-Draw System.

Stabilised crude is then transferred to the Crude Oil Storage area with Desalter wash water transferred to the Desalter Water Treatment plant.

CAPACITY PROJECTION

AVAILABLE CAPACITIES:

>25%

5% - 25%

<5%

GAS TREATMENT FACILITIES

There are currently insufficient volumes of gas supply to sustain continued operation of the gas processing plants, as such the gas plant facilities have been decommissioned.

Gas from the overhead stabilisation process is utilised as fuel gas at the hot oil heater and power house which generate site electricity using dual fuel turbines.

Any excess gas is used at the power house, where there is spare generating capacity which ultimately allows for additional power export to the national grid.

Description

**Projected Ullage
(% of maximum capacity)**

2021

2022

2023

2024

2025

Oil

