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FLEET

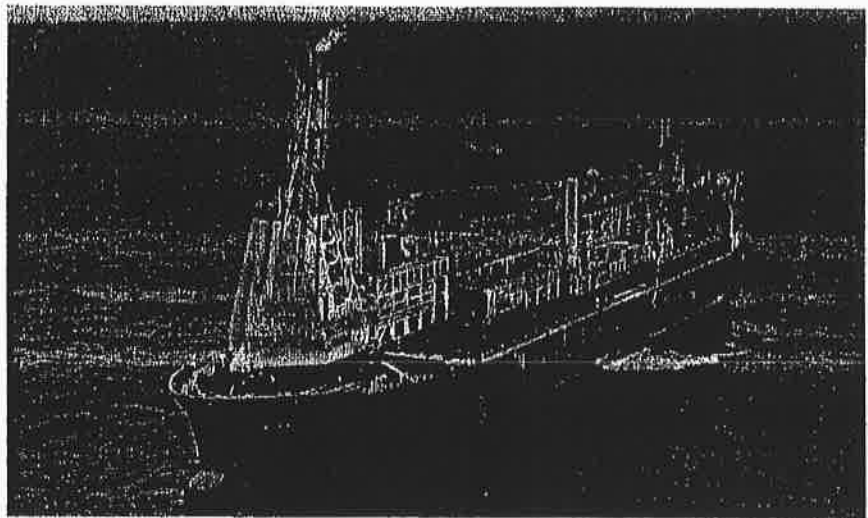
NORTH SEA PRODUCER

NKGSBA II

CUSTOMERS

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NORTH SEA PRODUCER



North Sea Producer is moored in MacCulloch Field, 250 kilometres northeast of Aberdeen, Scotland. The unit is 236 metres long and operates at a water depth of 92 metres. The North Sea Producer has a daily production capacity of 76,000 barrels of oil and has a storage capacity of 560,000 barrels.

The conversion of product tanker Dagmar Maersk into an FPSO was completed in 1997. The stages comprised conversion, installing topside facilities and integrating modules to the vessel. Production began in August 1997.

North Sea Producer is purpose-built to operate in the North Sea area, one of the harshest offshore environments.

North Sea Producer is purpose-built for the harsh environment it operates in

Name	North Sea Producer
Ownership	Maersk FPSOs (50%) Joint venture with Odebrecht
Delivery year	1997
Field	MacCulloch Field, UK
Customer	ConocoPhillips
Flag	Isle of Man
Water depth	92 m

[Download North Sea Producer Factsheet \(pdf\)](#)



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Stig Hoffmeyer

Chief Executive Officer (CEO) &
Chief Commercial Officer (CCO) (acting)



David McLean

Chief Operating Officer (COO)



Lars B. Heineke

Director of Finance



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Send us your questions or comments



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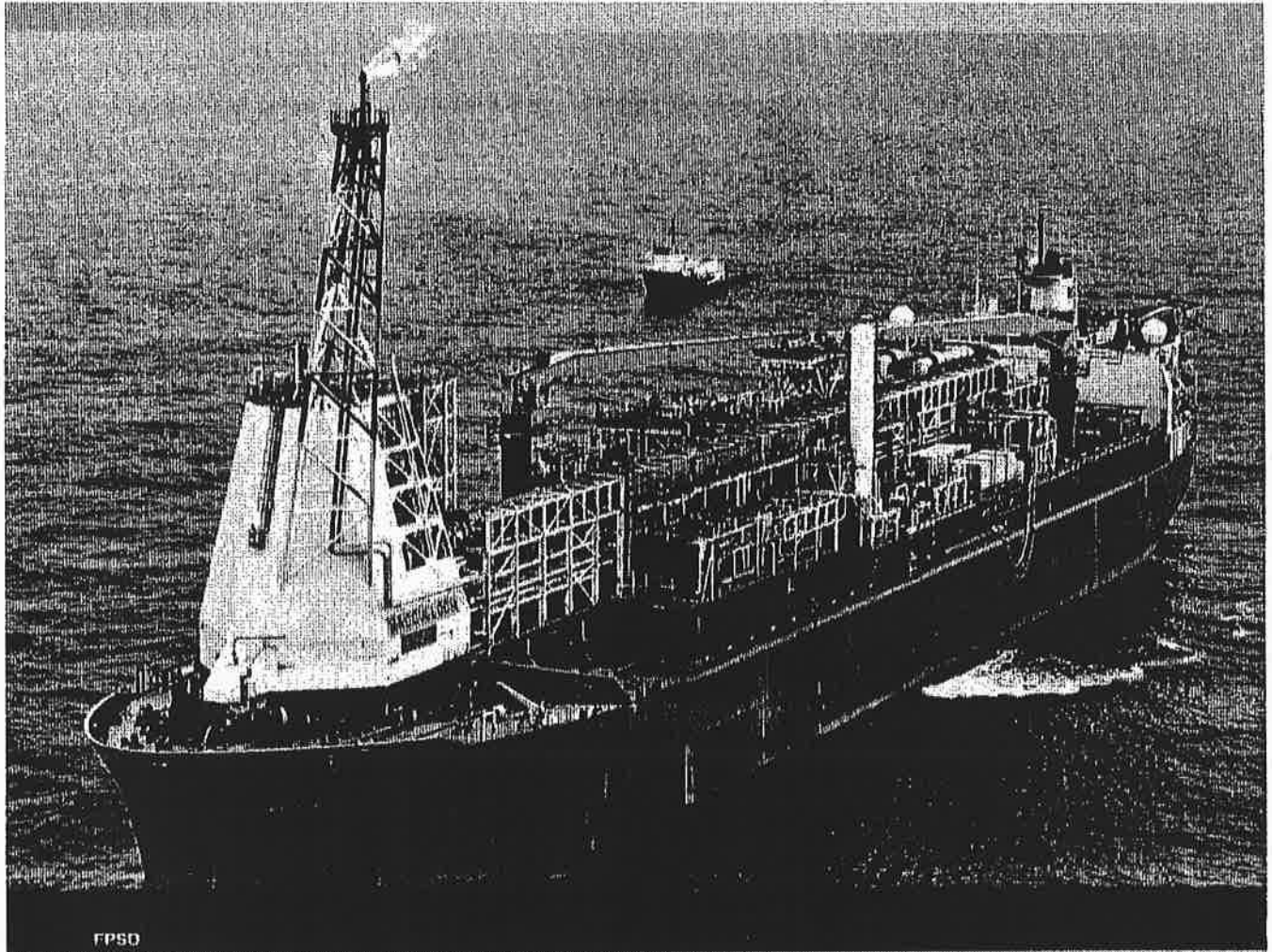
+45 33 83 41 08

Maersk FPSOs
owns and
operates five
floating
production units
across the world



ADDRESSES OF OUR
THREE OFFICES





FPSO

North Sea Producer

North Sea Producer is moored in the MacCulloch field 250 kilometers northeast of Aberdeen, UK. It is 236 meters long and operates at a water depth of 147 meters. North Sea Producer has a daily production capacity of 76,000 barrels of oil and holds a storage capacity of 560,000 barrels.

Former product oil tanker Dagmar Maersk, Dead Weight 99,800 tons, built in 1983 and converted to an FPSO in 1997.

Water depth:	147 meters
Storage capacity:	560,000 bbls
Oil Production:	76,000 bbls/day
Gas Export:	24 MMscf/day
Water Injection:	70,000 bbls/day



Main Particulars

DIMENSIONS

Length overall	238.05 m
Length BP	226.50 m
Breadth moulded	39.90 m
Depth moulded	20.50 m
Draught	16.34 m
Dead-weight	99,800 dwt

CAPACITIES

Oil production

Oil production 75,000 bop/d stabilised to TVP 0.965 bara @ 45.0°C to tanks or 60,000 bop/d to TVP 8.3 bara @ 37.8°C to pipeline @ maximum 110 bar, BS&W 0.5 %, one 100 % train

Gas production

28.8 MMscf/d of dried gas 60 ppmv, for fuel gas and export and lift gas

Gas export

24 MMscf/d @ 161 barg, two 50 % three-stage electrically driven reciprocating compression trains

Produced water

70,000 bwp/d @ 30 mg/l or below, through high and low flow hydrocyclones and de-gassing vessel

Flare system

65 MMscf/d through HP and LP flare headers and drums to a 65 m above deck, high flare tower

Power generation

Main 2x6 & 2x3.5 MW dual fuel turbine, auxiliary 3x900 kw and emergency 1x388 kw diesel driven

Fire Water

Two 100 % fully enclosed diesel driven fire water pumps delivering 1,200 m³/hr @ 10 bar each

CAPACITIES, TANKS @ 100% CAP.

Crude storage	98,897 m ³
Ballast water	32,098 m ³
Slops	4,395 m ³
Fresh water	283 m ³
Liquid fuel	3,052 m ³

MOORING

- The FPSO is moored utilising a forward mounted internal turret with a mooring spread of three times three anchors connected to the chain table.
- The well fluids, export and lift gas and export oil, are transferred through a swivel stack in the turret, enabling the FPSO to freely weathervane around the geo stationary part of the turret under all conditions.
- The swivel stack includes one 16" production, one 10" test, one 10" oil export, one 6" gas export, one 4" gas lift, one 12" water injection, one electrical and one hydraulic swivel.

TOPSIDE

- The facility is capable of exporting partially stabilised crude via pipeline.
- The crude oil is stabilised and de-watered in three stages. The first and second stage separators are three-phase separators, the third stage is a coalescer.
- The second stage separator operates at pressures, governed by export mode, ensuring the crude is stabilised to the specified true vapour pressure.

- From the second stage separator the crude is routed through the coalescer where the crude is de-watered to the specified BS&W and then either to oil pipeline export pumps or into the temporary storage before pumping to 2nd stage separator for export to oil pipeline.

- The produced gas is compressed through two three-stage compression trains, electrically driven, for export into a pipeline system or lift gas.
- The produced oil is metered to fiscal standards prior to export.

OTHER

Accommodation

For 73 persons

Main lifesaving

Two 56 persons TEMPSC

Helideck

22.2 m landing circle certified for Sikorsky S61N, to LRS and CAP 437 requirements

Cranes

Two offshore pedestal with lifting capacity of 15 t @ 30 m reach and 11 t @ 45 m reach

Oil export

Oil export through 10" pipeline