



GLAS DOWR FPSO

Data Sheet



bluewater

Power by People

GLAS DOWR FPSO

The GLAS DOWR's main functions are:

- Receipt of fluids from subsea wells
- Control of the subsea wells
- Processing of the incoming fluids for separation into crude, water and gas
- Storage of the stabilised crude oil and maintaining it at the required temperature
- Treatment of effluent for discharge of water to the sea
- Chemical injection
- Provision of water injection facilities
- Offloading of crude into "tandem moored" shuttle tankers
- Power generation for process, gas export, offloading and utilities
- Provide accommodation for operating and maintenance personnel
- Gas lift and gas injection facilities. Part of the gas is used as fuel for power generation
- Provide helideck for helicopter operations

All systems are designed for a minimum annual average production up-time of better than 95%.

VESSEL DATA	
Length	242.3 m
Breadth moulded	42 m
Depth moulded	21.2 m
Dead weight tonnage	89,384 dwt
Deck area	7,985 m ²
Accommodation	80 persons

PERFORMANCE DATA	
Storage capacities	
Exportable crude	105,181 m ³ (660,000 bbls)
Slop tanks	6,650 m ³ (41,800 bbls)
Diesel Oil	2,650 m ³ (16,770 bbls)

Processing Capacities	
Fluid capacity	75,000 bpd
Crude	60,000 bpd
Produced water (max)	65,000 bwpd
Oil content water discharged	< 15 ppm

Stabilised crude	
RVP	10-12 psia
H ₂ S	0 ppm
BS&W	< 0.5 %

Water injection	
Capacity (max)	85,000 bwpd (not in operation)
Design pressure	300 bar
Oxygen content (max)	10 ppb

Gas compression / Treatment	
Compression	4 x 13 MMscfd
Dehydration	22 MMscfd

Power	
Main generators	4 x gas turbine, 1 x diesel
Capacity	4 x 4.7 MW + 1 x 6.3 MW
Emergency generator	1 x 0.5 MW Diesel

Offloading	
Parcel size	500,000 bbls