

FPSO RAROA



Location	: Maari Field, New Zealand
Water Depth	: 100 m
Weather Environment	: Tropical Cyclone
Field Operator	: OMV
Year Built	: 1980
Classification	: ABS
Flag	: Liberia
In Service Since	: 2008
Deadweight	: 92,802 MT

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Main Dimensions

LOA	: 243 m
Length BP	: 233 m
Moulded Breadth	: 42 m
Moulded Depth	: 19 m

Basic Design

The conversion of the vessel to FPSO began in 2006 in Jurong Shipyard Singapore. The scope includes subsea installation, operation and maintenance of the wellhead platform. The main works entailed installations and modifications to provide the following:

- ▲ 2-Stage separation
- ▲ Water injection- 50,000 BWPD
- ▲ Produced water treatment- hydrocyclone and floatation cell
- ▲ 3 x 100 ton boilers burning gas, crude, fuel oil or diesel
- ▲ 3 x 7.8 MW steam turbines, power export to WHP
- ▲ HP/LP flare
- ▲ E-house
- ▲ Tandem offloading system
- ▲ 15 year design life



Tank Capacities

Crude Storage @ 98%	: 660,626 bbls
Slop Tank	: 27,693 bbls
Ballast Tank	: 232,999 bbls

Main Components

Mooring System	: Internal Turret
Risers	: 2 x 10" product 1 x 8" water injection 1x umbilical
Export System	: Tandem
Fuel Gas Burning	: Yes

Other facilities

Custody	: Ultrasonic
Transfer Meter	
Cranes	: Offshore crane, 16 tons @ 23 m, personnel transfer
Accommodation	: 50
Helideck	: Yes

Product loading/export

Maximum Fluids	: 50,000 bbls/day
Maximum Oil	: 40,000 bbls/day
Maximum Water	: 45,000 bbls/day
Maximum Gas	: 35 Mmscfd
Design Export Min. Rate	: 25,000 bbls/hour

