

bluewater

# FPSO Aoka Mizu



# Specifications Aoka Mizu

## The FPSO main features

Built as Floating Production Storage and Offloading (FPSO) in 2008.

Suitable for extreme harsh environmental conditions due to hull strength with double capacity relative to standard Aframax tankers and additional brackets throughout hull structure and fully bracketed forward region.

Operation under UK Safety Case.

ISO 14000 compliant with low environmental impact providing low NOx power generation, ultra low oil-in water produced water clean-up, maximum water separation.

Dedicated spaces foreseen for additional modules and power/utility capability increases.

## General

<b>Port of Registry</b>	Curacao, Willemstad
<b>Flag state</b>	Netherlands Antilles
<b>Converted to FPSO</b>	Sembawang Shipyard Singapore 2006-2008
<b>Classification Society</b>	DNV-GL
<b>Class Notation</b>	1A1, ship shaped oil production and storage unit, FMS (10), Crane-offshore, ECO, HELDK (S-H), POSMOOR

## Principal dimensions

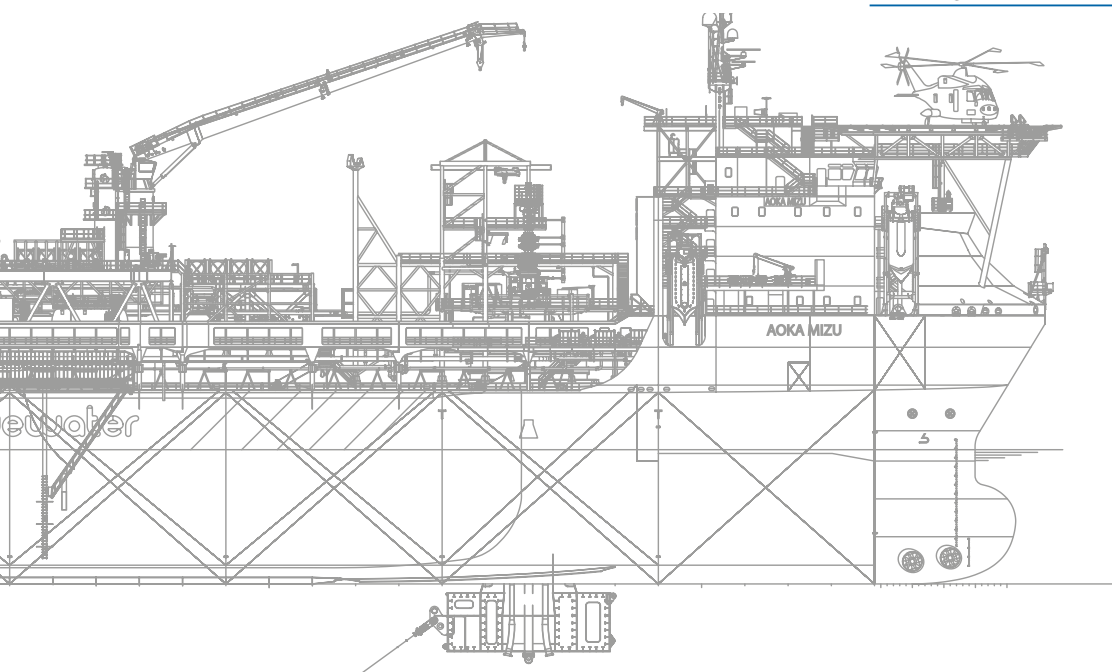
<b>Deadweight [Tonnes]</b>	88,059
<b>Hull type</b>	Double hull Aframax size suitable for Norwegian seas
<b>Dynamic Positioning</b>	DP1
<b>Storage capacity excl. slops</b>	604,478 bbls (96,112 m <sup>3</sup> ) in 11 Cargo storage tanks (98%)
<b>Offloading</b>	Tandem offloading
<b>Accommodation</b>	84 persons
<b>Helicopter deck</b>	Suitable for Sikorsky S-61 and N/EH 101

## Topsides data

<b>Total fluids capacity</b>	35,000 bpd
<b>Crude production</b>	30,000 bpd
<b>Produced water</b>	20,000 bpd
<b>Water injection</b>	55,000 bpd
<b>Seawater treatment</b>	55,000 bwpd
<b>Gas compression</b>	2 x 22.2 MMscfd
<b>Gas treatment</b>	35 MMscfd (dehydration)
<b>Material selection</b>	NACE MR 01-75
<b>Power generation</b>	2 x 10 MW Gas Turbine 2 x 5.4 MW Diesel Generator
<b>Topsides motor drives</b>	Electric

## Turret mooring data

<b>Turret type</b>	Disconnectable internal turret
	4 x 3 Mooring system
<b>Number of riser slots including umbilicals</b>	11



**Bluwater Energy Services B.V.**  
Taurusavenue 46  
2132 LS Hoofddorp  
The Netherlands

Phone: +31 (0)23 711 5500  
Email: [info@bluwater.com](mailto:info@bluwater.com)  
[www.bluwater.com](http://www.bluwater.com)