

## 16,100 cbm Caribbean FLNG

*for EXMAR GROUP, Belgium*

**Project Data:** 2528

**Shipyard:**

Wison Heavy Industries, China

**Year of completion:** 2016

**Classification:** BV

**TGE's scope:**

Complete gas handling system for loading and unloading, cargo tanks, process liquefaction package: contracted to Black&Veatch by Wison



**Vessel:**

16,100 m <sup>3</sup> FLNG	
Length o.a.	144.0 m
Beam:	32.0 m
Draught (LNG):	5.4 m
Speed:	kn

**Characteristics of gas plant:**

<b>Capacity:</b>	16,100 m <sup>3</sup>
<b>Number of cargo tanks:</b>	3 (cylinder type)
<b>Material of cargo tanks:</b>	9% Ni steel
<b>Cargoes:</b>	LNG
<b>Design temperature / pressure:</b>	-163°C / 3.5 bar g acc. to IMO at sea
<b>Maximum cargo density:</b>	500 kg/m <sup>3</sup>
<b>Number of segregations:</b>	1
<b>Cargo manifolds:</b>	(by others)
<b>Loading- / Unloadingrate:</b>	1,440 m <sup>3</sup> /h
Deepwell pump	3 x 480 m <sup>3</sup> /h at 120 mLC
<b>BOG-handling &amp; fuel gas system:</b>	by topside's BOG compressors (by others)
	by re-liquefaction (by others)

**Cargo piping system:** Stainless steel, AISI 316L

**Inertgas plant:**

PSA type	Capacity: 750 Nm <sup>3</sup> at 99.5 vol. % N <sub>2</sub>
Membrane system	Capacity: 80 Nm <sup>3</sup> /h at 3 vol. % O <sub>2</sub>