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 m³ FLNG
Length o.a. 144.0 m
Beam 32.0 m
Draught (LNG) 5.4 m
Speed kn

Characteristics of gas plant:
Capacity 16,100 m³
Number of cargo tanks 3 (cylinder type)
Material of cargo tanks 9% Ni steel
Cargoes LNG
Design temperature / pressure -163°C / 3.5 bar g acc. to IMO at sea
Maximum cargo density 500 kg/m³
Number of segregations 1
Cargo manifolds (by others)

Loading- / Unloadingrate 1,440 m³/h
Deepwell pump 3 x 480 m³/h at 120 mLC
BOG-handling & fuel gas system 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 Nm³ at 99.5 vol. % N₂
Membrane system Capacity 80 Nm³/h at 3 vol. % O₂