

**15,600 cbm LNG-Carrier**  
**“Coral Energy”**  
**for ANTHONY VEDER, The Netherlands**

**Project Data:**

**Shipyard:**

Meyer-Werft, Germany

**Year of completion:** 2012

**Classification:** BV

**TGE’s scope:**

EPCS-contract, gas handling system



**Vessel:**

15,600 m<sup>3</sup> semi ref. LNG carrier, type 2G

Length o.a. 154.95 m

Beam: 22.7 m

Draught (LPG):

Speed: 16.0 kn

**Characteristics of gas plant:**

**Capacity:** 15,600 m<sup>3</sup>

**Number of cargo tanks:** 3

**Material of cargo tanks:** 9 % Ni Steel

**Cargoes:** LNG

**Design temperature / pressure:** -163°C / 4.5 bar g acc. to IMO at sea

**Maximum cargo density:** 650 kg/m<sup>3</sup>

**Number of segregations:** 1

**Cargo manifolds:**

Midship: 1 liquid line, 1 x 10” ANSI 300 lbs flanges

1 vapour line, 1 x 8” ANSI 300 lbs flanges

Elevated: 1 liquid line, 1 x 10” ANSI 150 lbs flanges

1 vapour line, 1 x 8” ANSI 150 lbs flanges

**Loading- / Unloadingrate:**

1.620 m<sup>3</sup>/h (with vapour return)

Deepwell pump

6 x 270 m<sup>3</sup>/h at 210 m LC for LNG

Booster pump

**BOG-handling & fuel gas system:**

2 x cargo compressors with intercoolers

2 x aftercoolers

2 x submerged fuel gas pumps

1 x forcing vaporizer

1 x fuel gas buffer tank

1 x fuel gas metering system

**Cargo piping system:**

Stainless steel, AISI 316L

**Nitrogen generation plant:**

Membrane system

Capacity: 80 Nm<sup>3</sup>/h at 3 vol. % O<sub>2</sub>