

8,600 m³ LPG-Carrier "FORTUNATO" for Miyawa Shipping Co., Japan

Project Data:

Shipyard:

SASAKI, Japan
SANOYAS, Japan

Year of completion: 2007

Classification: Bureau Veritas (BV)

TGE's scope:

EPCS-contract, gas handling system and cargo tanks

Vessel:

8,600 m³ semi ref. LPG carrier,
type 2G

Length o.a.	119.9 m
Beam:	19.0 m
Draught (LPG):	7.5 m
Speed:	14.0 kn



Characteristics of gas plant:

Capacity:	8,600 m ³
Number of cargo tanks:	2
• Material:	0,5 % Ni Steel
Cargoes:	LPG/Ammonia/VCM
Design temperature / pressure:	-48°C/ 6.0/4.7 bar g acc. to IMO at sea
Maximum cargo density:	970 kg/m ³
Number of segregations:	2
Cargo manifolds:	2 liquid lines, 8", 6" ANSI 300 lbs flanges 2 vapour lines, 4", 4" ANSI 300 lbs flanges
Loading-/Unloading-rate:	900 m ³ /h
• 2 Deepwell pumps:	450 m ³ /h at 120 m LC
• 1 Booster pump:	250 m ³ /h at 120 m LC
Cargo heating / vaporising equipment:	
• 1 direct sea water heated LPG-plate heat exchanger / vaporiser	250 m ³ /h propane -42°C to 0°C at 15°C sea-water temperature approx. 1,000 m ³ /h vapour

Reliquefaction system:

2 cargo compressors BURCKHARDT 2K160-2H

Cargo piping system:

Stainless steel