

## 2 x 8,200 m<sup>3</sup> LEG/LPG-Carrier MT "Clamor Schulte / Moritz Schulte" for SCHULTE GROUP, Germany

### Project Data:

#### Shipyard:

JINAGNAN SHIPYARD, China

Year of completion: 2002

Classification: GL

#### TGE scope:

EPCS-contract, gas handling system & cargo tanks

#### Vessel:

8.200 m<sup>3</sup> semi pressurized, fully ref.  
LEG/LPG carrier, type 2G

Length o.a.	126.00 m
Beam:	18.60 m
Depth (main deck):	12.40 m
Draught (LPG):	8.45 m
Speed:	16.45 kn



### Characteristics of gas plant:

Capacity:	8,200 m <sup>3</sup>
Number of cargo tanks:	3 (2 bilobe type, 1 cylindrical type)
Material:	5 % Ni-steel 12 Ni 19, DIN Mat-No.: 1.5680
Cargoes:	Ethylene/LPG/NH <sub>3</sub> /VCM
Design temperature / pressure:	-104 C/ 5.0 bar g acc. to IMO 3.3 bar g acc. to USCG
Maximum cargo density:	972 kg/m <sup>3</sup>
Number of segregations:	2 uncooled, 1 cooled
Cargo manifolds:	2 liquid lines, 1 x 8", 1 x 6" ANSI 300 lbs flanges 2 vapour lines, 2 x 6" ANSI 300 lbs flanges
Loading-/Unloading-rate:	1,000 m <sup>3</sup> /h/1.000 m <sup>3</sup> /h
• Deepwell pumps:	5 x 200 m <sup>3</sup> /h/at 120 m LC
• Booster pumps:	2 x 230 m <sup>3</sup> /h/at 120 m LC
Number of cargo heater /vaporizer:	1
• Type:	direct sea-water heated
• Capacity:	230 m <sup>3</sup> /h propane from -42°C to 0°C at 15°C

### Reliquefaction system:

Direct cycle and refrigerant cycle, refrigerant R 404A  
2 x SULZER cargo compressor, one purge gas condenser  
2 x MYCOM refrigerant compressor

### Cargo piping system:

Stainless steel, AISI 316L; DIN Mat.-No.: 1.4571

### Inertgas plant:

- Capacity: PSA type nitrogen generation  
750 Nm<sup>3</sup>/h at 99.5 vol. % N<sub>2</sub>