

Hollandia Offshore

Watertight insulation for offshore rigs

Working under a project for Hollandia Offshore, G+H insulated the pipelines and containers created for an oil and gas rig.



Insulation

Fire Protection

Noise Control

The development of oilfields and gas deposits at sea poses major challenges to the offshore industry. Any installations on rigs need to withstand wind and water and provide maximum safety. Working for Veolia, Hollandia Offshore wanted to set up a four-storey system (Ichthy Project) for an oil and gas rig in the Browse Basin, 440 km (273 miles) north of Broome, Australia, and asked G+H to handle the required insulation.

CUSTOMER

Hollandia Offshore BV, Netherlands

PROJECT

Heat and noise insulation on pipes and containers in a modular design

PERIOD OF EXECUTION

10/2015–03/2016

INSULATED SURFACE AREA

1,200 m²



To prepare the pipes and containers of the new offshore rig for the rough conditions at sea, G+H Insulation applied a special multi-layer installation method. First the team fastened two layers of 19 mm Armaflex all around, using adhesive, and then surrounded it with a 1 mm flexible Arma-Chek film, sealing the seams with Mastic. The outer coating took the form of 0.6 mm stainless

steel sheets, sealing the seams with silicone. G+H then surrounded all flanges and fittings with flexible, easily removable insulating mattresses which had Teflon fabric with Armaflex insulation sewn into them. The work was carried out under a modular principle. The modules were shipped to Australia on time by sea, via South Korea, and the customer was extremely pleased.



TASK

- High-quality heat and noise insulation on pipes and containers in a modular design
- Greater requirements due to rough conditions and tight space
- On-time installation for shipment by sea

SOLUTION

- Multi-layer insulating system, consisting of Armaflex, Arma-Chek and stainless steel sheets
- Panelling using flexible insulating mattresses with Armaflex insulation
- Space-saving modular design on four storeys

ADVANTAGES

- Particularly resistant and watertight insulation for exposed offshore deployment
- Increased protection through multi-layer installation method
- On-time completion