

Gate Terminal B.V. Secure insulation for new shipping pier

G+H has added cryogenic insulation and fireproofing to the new LNG terminal in Maasvlakte (Rotterdam), covering a surface of 8,800 sqm.



Fire Protection

Noise Control

A new third shipping pier has been built for smaller vessels in Maasvlakte. This is to ensure that, in the future, liquefied natural gas (LNG) can also be distributed to any of the North Sea and Baltic ports where large LNG tankers are prohibited. After several projects had previously been conducted for this customer by G+H, Gate Terminal B.V. decided to use the same contractor again and to rely on its high level of expertise.

Fluor B.V. NL, Gate Terminal B.V., Netherlands

PROJECT

"LNG Break Bulk Rotterdam (LBBR)" Project: Cryogenic insulation of pipes and equipments and fireproofing at the new LNG terminal

IMPLEMENTATION PERIOD 01/2016-09/2016

INSULATED SURFACE AREA 7,500 sgm (insulation) and 1,300 sqm (fireproofing)





- Cryogenic insulation of pipes and

- Fireproofing of steel beams and co-

On-time completion of the insulation

lumns, equipment skirts and support

equipments down to -196°C

TASK

constructions

and fireproofing work

stainless steel bands, the team added the outer shell made from 0.8-mm stainless steel sheets. The steel beams and columns, equipment skirts and support constructions were given optimum fireproofing in the form of a special sprayed coating (Fendolite MII). Moreover, G+H successfully ensured that the entire job went smoothly and on time and that the work was completed within only eight months.

Precisely tailored PIR shells with

interior vapour barrier made from

- Foam glass shells with exterior va-

Touch-up coating of pipe weldsFireproof coating, using Fendolite

pour barrier made from aluminium

SOLUTION

aluminium foil

bitumen foil

MII or MII Isolatek

ADVANTAGES

- Compact low-temperature insulation to prevent premature regasification
- Quality assurance for liquefied natural gas
- Safety through fireproofing and high energy efficiency

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