Coatings for Maritime Techniques and Offshore:

Ceramic Polymer: Internal coating of cooling water intake risers for extensive FLNG-Project in Australia

The liquid gas tanker „Prelude FLNG“ is the world’s biggest swimming offshore facility. For the protection of the cooling water intake risers the company EUPEC Pipecoatings applied our internal coating CERAMIC-POLYMER SF/LF-3, which provides outstanding resistances against abrasion and corrosion.

The ship is huge; 488 m long, 75 m wide and 90 m high. It anchors above the „Prelude“-gas field, 200 km off the Australian coast, extracts the natural gas out of the ground and liquefies it. The storage capacity is 600,000 metric tons.

Per hour, 50 million (!) liters of sea water are required to cool down the gas during the liquefaction process at minus 162°C (-260°F). The internal coating of the risers has to feature an outstanding abrasion resistance to withstand such strong streaming water.

Technical Details
Project: Internal coating of cooling water intake risers
Diameter of the pipes: 1.07 m + 0.76 m
Total area: 3,800 m² internal coating
Coating product: CERAMIC-POLYMER SF/LF-3
Product requirements: excellent abrasion resistance and stability against sea water
Application of the coating: EUPEC Pipecoatings, FR-Gravelines/France
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