

## CASE STUDY

# KWO® MultiTex® Gasket Oil&Gas - LNG Applications



**KWO®**  
experts in ePTFE

## PRODUCT

KWO® MultiTex® 2.0 3 and 6 mm Gasket.

## INDUSTRIAL SECTOR

LNG Plant.

## APPLICATION

In a large LNG facility, GRE (Glass Reinforced Epoxy) flanges were used in the seawater intake and cooling systems. These flanges are ideal from a corrosion perspective, but they present unique sealing challenges that the gasket in used wasn't able to face.

## PROBLEM DEFINITION

The LNG operator experienced repeated sealing failures, leading to maintenance downtime and safety concerns in critical cooling water lines.

## SOLUTION AND RESULT

KWO® worked in close cooperation with the plant engineering team to identify the most suitable sealing solution. The answer was KWO® MultiTex® gasket: after replacing conventional gaskets with MultiTex®, the LNG plant achieved stable sealing performance without rework or frequent adjustments. Leakages were eliminated, downtime was reduced, and maintenance intervals were extended.

## APPLICATION PARAMETERS

Material: GRE

Operating temperature: up to 65° C

Operating pressure: 10 Bar

Medium: Seawater (with chemical cleaning agents).

Flange form/diameter: 12"- 48"

Sealing surface: -

Bolts: n.a. Use of Hydraulic Torquing Equipment

Previous seal: conventional fiber reinforced gasket.

