

KLINGER CASE STUDY

UK Chemical Plant

SUMMARY

”KLINGER'S engineering and the support leading up to and on the day provided a large element of confidence with a contingency of additional machining”

Key Facts:

The Safeguard has been developed by KLINGER as a solution to sealing corroded flanges which are particularly evident in the offshore environment. Routine inspection of flanges can be completed with the knowledge that the joint can be remade even if flange corrosion is evident.

Consisting of a high precision, high strength metallic core faced with highly conformable multi-directional e-PTFE and Thermica API 6FB Fire Safe sealing faces.



CHALLENGES

Critical flanges on a chemical plant were leaking during operation. The client was unsure of the route cause of the failures. The client had a 6hr window to rectify the anomalies therefore KLINGER offered a combined product and service solution that covered all eventualities

SOLUTIONS

The KLINGER Safeguard gasket as well as multiple ID and OD mounted Flange Facing Machines were mobilised to the site as a contingency. On breaking containment it was identified that the wrong gasket had been installed and the flange design was out of specification. Multiple flanges were re-machined and new gaskets installed.

OUTCOME

The chemical plant was restarted leak-free within the 6hr window.











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