

CASE STUDY:

Lokring protection

OVERVIEW

Over the past few years there have been a few HSE releases regarding chloride Stress Corrosion Cracking on Lokring pipe connectors. On the back of this, we were contracted by an offshore O&G company to provide a suitable protection system for the connectors, to provide long term protection against stress corrosion.

The Objective

To provide a cost effective and long term coating solution for Lokring connectors, to prevent Chloride Stress Corrosion Cracking in the joints and ensure the joints. The client wanted a system that can be a fit and forget solution and prevention to the problem, that they can undertake themselves and that proves effective.

We suggested Z-FP for this system and offered manpower for 3 days.

Initially the project was to coat 10 items as a trial, but due to the ease and suitability of the system, total count went to 32 connectors.

The Project

1 technician for 3 days.

The client presented the stainless steel pipe connectors and they were cleaned down with solvent cleaner and a rag, to remove impurities and saline from the joint.

Each joint was coated with 3 coats of Z-FP in batches of maximum 7 at a time.

Each joint took around 10 minutes per coat and due to the windy conditions, each coat took less than 1 hour to cure

Technical/Project Approach

Deliverable	Description	Deliverable	Description
Manpower	1 x ZCD technician	Budget	Client was extremely happy as we were able to coat 3x the amount for the same day rate.
Duration	3 days	Equipment	application equipment.
Material Used	15 litres Z-FP light grey	Site issues	None. Project went without issue.

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