

Oxifree

Case Study



Location: Great Yarmouth Power Station

Date: Sept 2011

Customer: RWE

Weather: Wet

Introduction

Great Yarmouth Power Station's operator RWE had commissioned work to upgrade the leak defences of the gas condensing unit situated onsite.

RWE had to ensure that the unit was fully maintained as it faces directly onto a public highway

Objective

The maintenance prevention plan involved removing any likelihood of flange material integrity breakdown and gas exposure by subjecting specified flanges, valves and unions to Oxifree TM198 coating – within a defined budget.

Process

Oxifree UK were asked to provide a full site survey alongside RWE site technical staff to determine the flanges classified as "high risk".

A financially driven project was undertaken, in the first instance, to ensure the integrity of the condensing unit and associated components and Oxifree coating TM198 was selected for use on the project.

Project

A 3 day project was undertaken to coat corroded flanges on the gas condensing unit, these consisted of a 26 inch joint, 12 x 12 inch joints and 16 x 8 inch caps and access panels. Further to the protection of the gas condensing unit, GIC circuit breakers were coated to prevent moisture ingress together with 8 x termination pieces.

The ATEX zone 2/22 rated Polymelt 50 unit was used to complete this project with access via MEWPS.

Project Photographs

