

Oxifree

Case Study



Location: Immingham

Date: Aug 2013

Customer: VPI

Weather: Mixed

Introduction

VPI Immingham is a combined heat and power (CHP) plant near Immingham, on the south bank of the river Humber. It is one of the largest CHP plants in Europe, capable of generating 1240MW – about 2.5% of UK electricity peak demand and up to 930 tonnes of steam per hour, which is used by nearby oil refineries to help turn crude oil into products, such as gasoline.

To prevent the leakage of SF⁶ insulation gas into the environment Oxifree were charged with coating red anomaly lines

Objective

To prevent environmental exposure to SF⁶ gas, VPI had to protect vulnerable flanges from further degradation.

Oxifree were selected to coat all flanges on live GIS (Gas Insulated Switchgear)

Process

Oxifree UK were asked to provide a full site survey and estimate of the application possible within a fixed budget. The site survey estimated approximately 700 flanges fitted into the category of vulnerable. All flanges were situated on live lines and were to be accessed via MEWP

Project

The entire project involved 4 application technicians, lasted 42 day and entailed 726 flanges, most of which were accessed from MEWP's.

The project came in exactly on budget with variations for supplementary work carried out at the request of the site manager.

The project and coating was an astounding success and Oxifree have been asked to attend site in 2014 to complete coating of pipelines classified as low risk. The total of secondary project is 1700 flanges.

Photographs

