

Oxifree

Case Study

**PETRONAS
CARIGALI**



Location: Offshore Vietnam

Date: Aug 2013

Customer: Petronas Carigali Vietnam Ltd

Weather: Dry

Introduction

IEV Oil & Gas the Oxifree licensee for Vietnam has conducted a two platform application of Oxifree TM 198 on Petronas Carigali Vietnam platforms Topaz & Ruby A

The programme involved the coating of 2175 flanges to reduce spiralling maintenance costs for these assets.

Objective

IEVOG in Vietnam demonstrated to PCVL that they could provide an innovative and highly tested and proven solution to protect the process equipment flanges using Oxifree TM198. This would be a long term anti corrosion solution that was considered by the client assessment team to be a high priority to reduce offshore maintenance requirements.

Process

IEVOG shipped the Polymelt 50 ATEX zone 2/22 application machine and TM198 material offshore along with a team of fully trained applicators to degrease and remove any loose/flaky rust ahead of the application team to ensure a maximum productivity per day.

Project

IEVOG tendered and won the work on both Topaz and Ruby A platforms which were to be executed during 12hr daylight shifts over a 28 day period. Each platform was surveyed to assess the most efficient method of access and minimize normal platform operations.

Works commenced on Platform Topaz in late July and work was completed 28 days later with 913 assorted flanged/bolted assemblies completed.

Work commenced on Platform Ruby A in September and completed 24 days later with 1215 assorted flanged/bolted assemblies completed.

A maximum of 50 flanges per day was achieved confirming the efficiency of application of Oxifree when compared to traditional blasting and painting processes or the use of Bolt

Project Photographs



Before application of Oxifree TM198



After minimal surface preparation and application of TM198



Note the use of plastic caps has failed and not possible to apply to all bolts and nuts