

eaders in Industrial Maintenance Solutions Pump Technology

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# **CASE FILE**

## **Rebuild of Flange Faces** on DGF Vessel

#### The Customer

Major Petrochemical Company, AUSTRALIA

## The Application

Flange faces on the underside of Vessel DGF.



Blasting prior to application



Belzona® 1111 Supermetal being applied

Completed application (before O ring removed) and edge cleaned up



#### The Problem

Due to access issues the repair of corrosion damage to two flange faces on process vessel of the offshore platform meant that conventional welding and machining was not an option.

#### The Products Used

Belzona® 9411 Release Agent Belzona® 1111 Super Metal

### The Substrate

**Flanges** 

## The Application Method

Metal surface was cleaned and coated with Belzona® 9411 and allowed to dry.

Belzona® 1111 Super Metal was mixed and applied by brush, ensuring 100% contact with, no air entrapment. Blinds were repositioned to allow correct thickness for the Belzona curing to be achieved. Excess Belzona® was then removed from flange using a file.

#### The Outcome

Original scope of work suggested pre-formed spacers be made to give the minimum 2mm height clearance above raised flange face for the cured Belzona<sup>®</sup>, but a better result was achieved using flat washers.

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Blank being fitted