BELZONA SOLUTION FOR IN-SITU SHAFT REPAIR AT A POWER STATION

ID: 10002

PROBLEM
Shaft had suffered damage due to a spun bearing in service, leading to reduced performance and efficiency in operations.

APPLICATION SITUATION
Due to time and cost associated with dismantling the equipment and replacing the shaft, the customer was looking for a solution that can be applied in situ. As the customer is familiar with the previous success of Belzona solutions, they contacted Belzona Authorised Distributor in Australia to seek the most appropriate shaft repair solutions.

APPLICATION METHOD
The shaft was prepared and rebuilt in situ with Belzona 1111 (Super Metal). Once the product was fully cured, the shaft was machined to original dimensions.

BELZONA FACTS
Cost saving was significant with no less than $25,000 AUD saved in down time and manpower compared to opting for this BELZONA solution.

INDUSTRY
Power

LOCATION
Melbourne, Australia

APPLICATION DATE
August 2025

PRODUCTS
Belzona 1111 (Super Metal)

SUBSTRATE
Cast Iron

PHOTOS
1. Damage on shaft caused by a spun bearing in service
2. Preparation for shaft repair in situ
3. Belzona 1111 (Super Metal) was applied to restore the surface without the need to dissembling the equipment
4. Belzona 1111 (Super Metal) was left to cure and machined to original dimensions.