

REFURBISHMENT OF ENERGY FROM WASTE PROCESS PLANT

ID: 9634



PROBLEM

Customer was suffering severe internal corrosion within their process plants pillenium & re-circulation channels. This was due to high concentrations of Calcium Oxide (37%) and Chlorine (26%) operating at temperatures of 140 Deg. C.

APPLICATION SITUATION

The customer chose a Belzona solution as replacement cost and actual downtime was very expensive. The Belzona solution offered a cost effective solution whilst also offering longer life expectancy of the equipment.

APPLICATION METHOD

The preparation was carried out by grit blasting to Belzona's IFU Specification sheets for the products. Where required, plates were bonded into place on through hole defects where required using a Belzona paste grade. Belzona 1593 was then applied to the repaired areas.

BELZONA FACTS

The Belzona repair solution/method was chosen by the customer due:

- 1) Fast turnaround offering faster return to service.
- 2) Cost was significantly less than total replacement.
- 3) Reduced lost production time and costs.

INDUSTRY

Commercial Facilities

LOCATION

St Austell, Cornwall

APPLICATION DATE

November 2023

PRODUCTS

Belzona 1593

SUBSTRATE

Carbon steel

PHOTOS

1. Internal through hole defect.
2. Holed & corroded section of internal system.
3. Plate bonding and coating of localised defects.
4. Plate bonding and coating of localised defect.

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Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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