

# BELZONA RESTORES ARCHIMEDES SCREW

ID: 259

Industry: Water / Wastewater

Customer Location: Wastewater treatment facility in a chemical plant, Florida U.S.A.

Application: SHM-Solids Handling Machinery

Application Date: 1998

Substrate: Steel and fiberglass

Products: \* Belzona® 1321 (Ceramic S-Metal) ,

## Problem

Corrosion/erosion caused the screw blades to wear down. The diameter of the angle was reduced so much that it could not lift the water.



## Photograph Descriptions

- \* Damaged Archimedes screw ,
- \* A close look of welded outskirts coated with Belzona® 1321 ,
- \* Entire screw edges were coated with Belzona ,
- \* Completed application with cosmetic coating applied ,

## Application Situation

Archimedes screw

## Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet SHM-14.

## Belzona Facts

The screw blade edges were worn down and the protective fiberglass liner had delaminated. After welding blade extensions all the way around, Belzona® 1321 was used to reinforce existing fiberglass liner, protecting the entire new weld.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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manufactured under an ISO  
9000 Registered Quality  
Management System.

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