

DEWATERING CENTRIFUGE SCROLL REBUILDING AND PROTECTION WITH BELZONA

ID: 7872



PROBLEM

The Dewatering Centrifuge Scroll was damaged and metal chunks were broken due to aggressive wear and abrasion of waste material. All this lead to the client taking it out of service

APPLICATION SITUATION

A Dewatering Centrifuge Scroll

APPLICATION METHOD

In accordance with CEP-1, firstly, the surface was prepared using A3 Grit to get a surface profile of minimum 75 microns. Then, solvent cleaning using MEK. After that, the damaged/abraded surface was filled with Belzona 1311 (Ceramic R-Metal) to level. Finally, Belzona 1812 (Ceramic Carbide) was applied as an abrasion resistant lining to a thickness of 3mm.

BELZONA FACTS

A Belzona solution was necessary as the plant had no other alternatives other than replacing the scroll which was the more expensive option. The Belzona application was completed in only 3 hours.

INDUSTRY

Water / Wastewater

LOCATION

Wastewater Treatment Plant, Riyadh, Saudi Arabia

APPLICATION DATE

2018

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1812 (Ceramic Carbide)

SUBSTRATE

PHOTOS

1. The Dewatering Centrifuge Scroll
2. A close up of the damage
3. Rebuilt with Belzona 1311

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