# **Belzona's Preventive Protection for a Geothermal Plant Cyclone**

ID: 7773

Industry: Power

Application:

Substrate: Steel

Products: \* Belzona 5892,

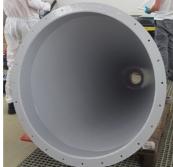
\* Belzona 1523,

Customer Location: *France*Application Date: 2018

#### **Problem**

New equipment has to withstand extreme conditions such as high temperatures (around  $100^{\circ}$ C in immersion), high flow rates and high salt concentrations. It needs a protective coating that could prevent erosion and resist in immersion in hot brine at  $100^{\circ}$ C.









# **Photograph Descriptions**

- \* Equipment overview after grit blasting.,
- \* Protection with Belzona 1523.,
- \* Protection with Belzona 5892.,
- \* Protection with Belzona 5892.,

### **Application Situation**

Preventive application on a cyclone in a geothermal plant.

# **Application Method**

The steel was grit blasted first, then all the surfaces in contact with brine and the inside of the exhausts were coated with Belzona 5892. Belzona 1523 was then used for the protection of the parts exposed to important erosion and high temperatures.

### **Belzona Facts**

The customer chose a Belzona solution for its speed of execution and to avoid transporting all the cyclone parts overseas for coating. This other coating needed to be cured at really high temperature which was not convenient for such a big application.

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

ISO 9001:2015 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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