

Belzona's Preventive Protection for a Geothermal Plant Cyclone

ID: 7773

Industry: Power

Customer Location: France

Application:

Application Date: 2018

Substrate: Steel

Products: * Belzona 5892 ,

* Belzona 1523 ,

Problem

New equipment has to withstand extreme conditions such as high temperatures (around 100°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°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

FS 695214

ISO 14001:2015

EMS 695213

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