

# BELZONA PROVIDES PROTECTION FROM HOT GASES AT WATER TREATMENT PLANT

ID: 2167

**Industry:** Water / Wastewater  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Stainless steel (AISI 304 L)  
**Products:** \* Belzona® 1392 ,  
 \* Belzona® 4311 (Magma CR1) ,

**Customer Location:** Water treatment plant, Slovakia  
**Application Date:** March 2011

## Problem

*Sulphides, Sulphates, Chlorides, Ammonia, etc. in the gas caused pitting corrosion in the unit after 10 months.*



## Photograph Descriptions

- \* General view of the reactor ,
- \* Corrosion before repair ,
- \* After grit blasting pitting corrosion clearly evident ,
- \* Inspection after 6 months showed no damage or defects on the coating ,

## Application Situation

Gases collected from the biological water treatment are processed in thermo-reactor and the gases at 75 – 130°C are corrosive.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5. After grit blasting and chemical cleaning, areas were coated with Belzona® 1392 or Belzona® 4311 (depending on temperature).

## Belzona Facts

Based on high temperature and various chemicals present, Belzona solution was chosen. After more than 12 months in service no

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ISO 9001:2015  
 FS 695214  
 ISO 14001:2015  
 EMS 695213

Belzona products are  
 manufactured under an ISO  
 9000 Registered Quality  
 Management System.

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defects have occurred and equipment remains fully protected.

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