

# BELZONA PROVIDES PROTECTION FROM HOT GASES AT WATER TREATMENT PLANT

ID: 2167



## PROBLEM

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

## 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 defects have occurred and equipment remains fully protected.

## INDUSTRY

Water / Wastewater

## LOCATION

Water treatment plant, Slovakia

## APPLICATION DATE

March 2011

## PRODUCTS

Belzona 1392

Belzona 4311 (Magma CR1)

## SUBSTRATE

Stainless steel (AISI 304 L)

## PHOTOS

1. General view of the reactor
2. Corrosion before repair
3. After grit blasting pitting corrosion clearly evident
4. Inspection after 6 months showed no damage or defects on the coating

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