

<b>Client:</b> ENGIE	<b>Industry:</b> Power Generation
<b>Scope:</b> Water Cooler Repair	<b>Date:</b> May 2019
<b>Location:</b> Belgium	<b>Product:</b> RP 500

## Overview

During revision works at a power station, a water cooler was dismantled and severe corrosion was observed.

## Challenge

The baffle plates of the cooler had to be cleaned and rebuilt by welding and CNC machining, before being coated with a system that would provide long term corrosion protection.

The coating solution had to protect the carbon steel from the likely exposure to galvanic current within the plant.

## Solution

The cooler was cleaned by grit blasting. The welding and machining then took place in order to seal the surfaces areas.

Due to its ability to resist very aggressive fluid flow environments, three coats of **solvent-free** ceramic coating **Ceram-chem™ RP 500** were then applied.

## Outcome

The water channel was completely restored, allowing the cooler to return to full operation.

The project was completed on time and within budget.

## Benefits

- Solvent-free
- Robust ceramic technology providing a hard wearing, abrasion-resistant impermeable barrier
- Suitable for repair work on all types of fluid flow equipment
- No recoating limitations
- Easy to apply
- Provides long term corrosion protection

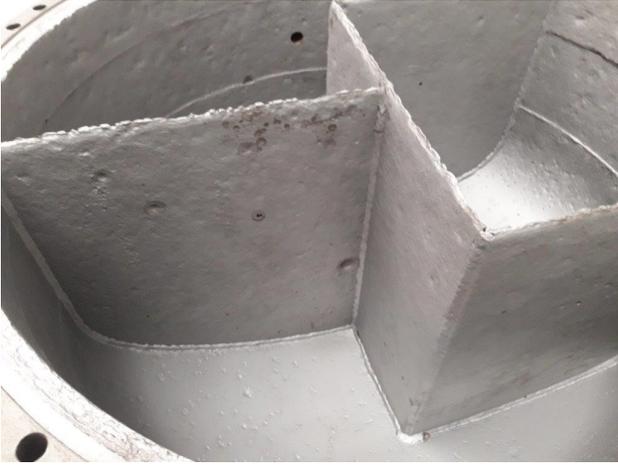
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### Photographs:

- No. 1 Original Conditions
- No. 2 After Surface Preparation

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**Photographs:**

- No. 3 After Surface Preparation
- No. 4 Completed Application

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