

Client: <i>Large Refinery</i>	Industry: <i>Industrial</i>
Scope: <i>Heat Exchanger Cooler Repair</i>	Date: <i>2020</i>
Location: <i>Belgium</i>	Product: <i>RP 500 and RH 500</i>

Overview

A number of water coolers, as part of a larger Heat Exchanger Unit, were showing clear signs of operational damage and required to be refurbished for safe use in the future.

This project was carried out by **Alcotec**.

Challenge

The water cooler components required to be cleaned, welded, repaired and prepared before coating works could begin.

The chosen coating solution had to provide long term protection in an abrasive environment exposed to high fluid flow.

Solution

After all welding and repair works were completed, the water coolers were grit blasted.

Three coats of **solvent-free**, ceramic coating **RP 500** were then applied in alternating colours to help achieve the required film thickness.

Any areas of pitting were filled by **solvent-free**, ceramic putty **RH 500**.

Outcome

All coating works were completed on time, within budget and the water coolers were returned to service for a further 6 years.

Benefits

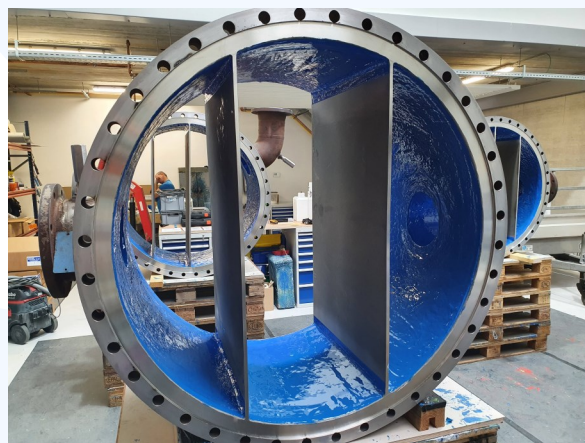
- **Solvent-free**
- Ceramic coating ensures long term abrasion resistance and protection from corrosion
- Excellent chemical resistance
- No recoating limitations
- Easy to apply
- Aesthetically-pleasing finish
- Suitable for repair work on all types of fluid-flow equipment

Continued overleaf

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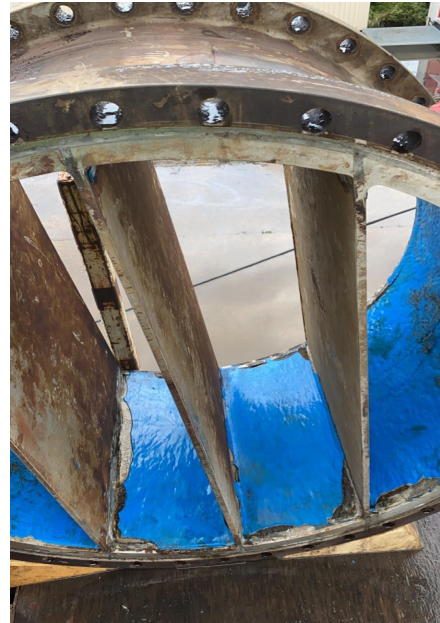
Photographs:

- No. 1 After Initial Cleaning
- No. 2 Completed Application

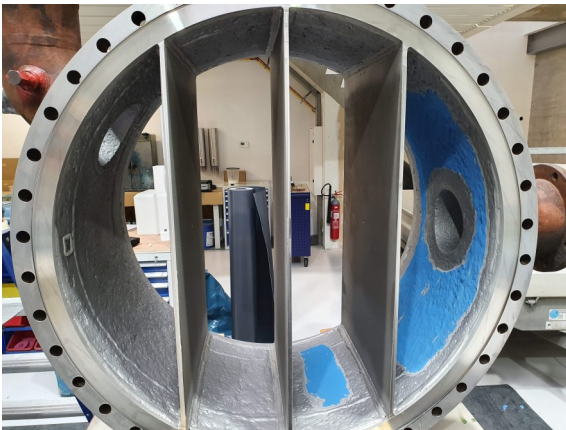
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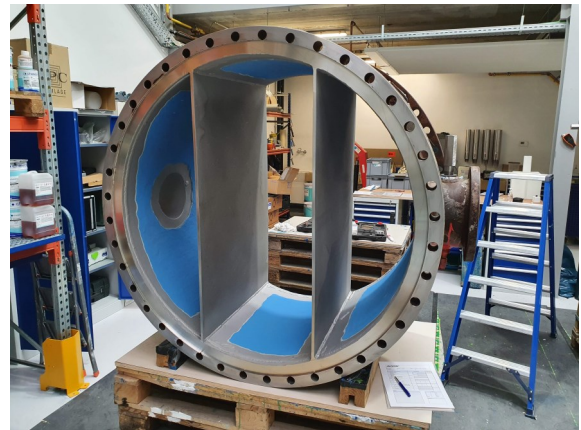
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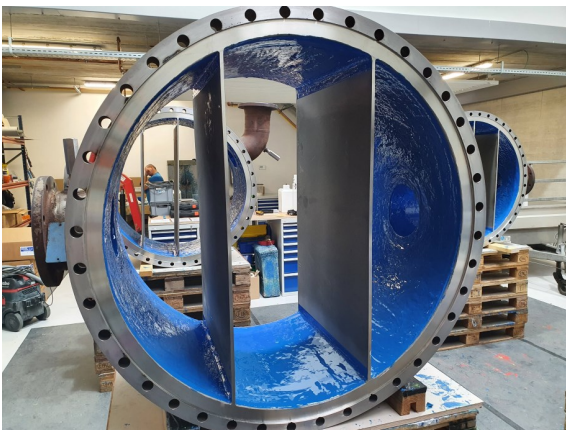
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Photographs:

- Nos. 3-4 After Initial Cleaning
- Nos. 4-5 During Application
- Nos. 7-8 Completed Application

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