

Client: <i>Belgian Power Station</i>	Industry: <i>Industrial</i>
Scope: <i>Cooling Water Pump Repair</i>	Date: <i>July 2001</i>
Location: <i>Belgium</i>	Products: <i>RS 500P & RP 500</i>

Overview

The internals of a cooling water pump required to be refurbished due to excessive wear and tear.

This project was carried out by Alcotec N.V.

Challenge

The work had to be carried out within a very short time frame given by the client.

Solution

The pump internals were abrasive blasted to Sa 2½ standard. One primer coat of **solvent-free, wet & rust tolerant Epo-chem™ RS 500P** was then applied. This was followed by one topcoat of **solvent-free, ceramic coating Ceram-chem™ RP 500**.

Outcome

The refurbishment work was successfully completed within the given time frame with the cooling water pump being restored to “as good as new” condition. Substantial time and cost savings were made by the client as the cost of purchasing a new cooling water pump far outweighed the cost of relining the current one.

Benefits

- Solvent-free
- Pump repaired to ‘as good as new’ condition
- Extremely smooth finish
- Significantly improved efficiency
- Excellent abrasion resistance

Inspection (after 3 years)

Due to other ongoing maintenance work within the vicinity, the cooling water pump was inspected after 3 years in service. The coating was found to be in perfect condition except for some mechanical damage (please see pictures 4 - 6).

Continued overleaf

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Photographs

- Nos. 1 - 2 Completed application

*Photographs courtesy of Alcotec (Belgium)

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6



Photographs

- No. 3 Completed application
- Nos. 4 - 6 After 3 years in service

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