

# CONDENSER REPAIRED WITH BELZONA

ID: 5156

**Industry:** Steel & Metal Processing

**Customer Location:** Metallurgy Complex, Thermal Power Station, Vologda region, Russia

**Application:** HEX-Heat Exchangers

**Application Date:** April 2010

**Substrate:** Cast iron

**Products:**  
\* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1321 (Ceramic S-Metal) ,  
\* Belzona 9111 (Cleaner/Degreaser) ,

## Problem

Machine was in service for a long time, which resulted in unacceptable tube sheet wear (thinning, in some places up to 5-7 mm from the original thickness of 40 mm)



## Photograph Descriptions

- \* Grit blasting of the metal ,
- \* Corks placed in the holes, application of Belzona 1311 ,
- \* Machining of the finished application ,
- \* Application of Belzona 1321 ,

## Application Situation

Deformation of the tube sheets due to bimetallic corrosion and erosion

## Application Method

The application was carried out in accordance to Belzona Know-How System Leaflet HEX-1. The repair was completed in 10 days by a team of 4 specialists

## Belzona Facts

The customer was provided with an innovative 2-coat protection within a short timescale, which guarantees long term service life of his asset.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**  
Repair • Protect • Improve

---

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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

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

[www.belzona.com](http://www.belzona.com)

*Copyright © Belzona International Limited 2025*

