

# BELZONA REFURBISHES HEAT EXCHANGER ON CRUISE LINER

ID: 4263

Industry: Marine

Application: HEX-Heat Exchangers

Substrate: Cupronickel

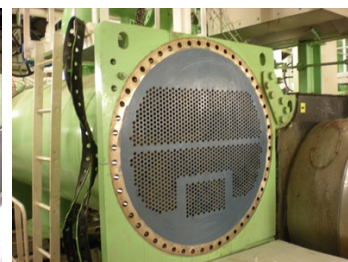
Products: \* Belzona® 1121 (Super XL-Metal) ,  
\* Belzona® 1321 (Ceramic S-Metal) ,

Customer Location: Luxury cruise liner, UK

Application Date: September 2012

## Problem

The heat exchanger tube sheet was found to be corroded, with isolated pitting in the division bar seal face.



## Photograph Descriptions

- \* The luxury cruise liner ,
- \* Damaged tube face ,
- \* Application of Belzona® 1321 ,
- \* Completed application ,

## Application Situation

Large seawater-cooled chiller, providing onboard comfort cooling.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets HEX-1 and HEX-3. corrosion pitting was rebuilt with Belzona® 1121 before applying Belzona® 1321 for overall corrosion protection.

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.

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## Belzona Facts

This application was also completed on two other luxury liners in the company's fleet, both with great success. The applications were carried out on site, with minimal downtime and the solvent-free solution proved to be of great benefit due to the confined location of the heat exchanger on-board the cruise liner. As of 2017, the company managing the HVAC components revealed that the Belzona systems were still in excellent condition, praising the good work of the Belzona application team.

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