## Repair and Protection of the Intermediate & Tail Shaft of the BELEM Ship.

ID: 9050

Industry: Marine

Application: SOS-Ships and Offshore Structures

Substrate: Carbon steel

Products: Belzona 1111 (Super Metal), Belzona 5821

Problem

The propeller shaft showed heavy wear due to seawater corrosion.







Customer Location: Saint Nazaire

Application Date: February 2023



The BELEM ship was first built in 1896.

The propeller shaft severely damaged by corrosion.

using Belzona 1111 and the first coat of Belzona 5821.

The propeller shaft was rebuilt Final application with the second coat of Belzona 5821 applied.

## **Application Situation**

Propeller shaft on a 1900th Century Naval Ship.

## **Application Method**

After grit-blasting and salt washing, reconstruction of the damaged propeller shaft was carried out using Belzona 1111. Two coats of Belzona 5821 were then applied to protect the shaft from future seawater corrosion. The application was carried out in accordance with Belzona System Leaflet SOS-06.

## **Belzona Facts**

The application of Belzona products allowed the original shaft to be retained, avoiding the costly replacement.

