Belzona Repairs and Protects Bow Thruster

ID: 7744

Industry:	*Marine*	Customer Location:	*Shipyard, Yalova, Turkey*
Application:	*SOS-Ships and Offshore Structures*	Application Date:	*March 2018*

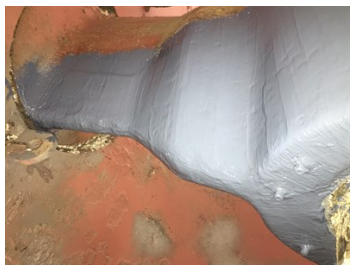
Substrate: *Cast Steel*

Products: ** Belzona 1111 (Super Metal) ,*
** Belzona 1321 (Ceramic S-Metal) ,*

Problem

The bow thruster body was showing severe erosion and corrosion damage due to the marine environment.



Photograph Descriptions

* 1- Severe damage clearly visible on bow thruster body. ,
* 2- Close-up view after succesful grit blasting. ,
* 3- Repair of damaged surface with Belzona 1111 (Super Metal). ,
* 4- Coating of the surface with Belzona 1321 (Ceramic S-Metal). ,

Application Situation

Bow thruster body of a container ship. A bow thruster of a ship is added to make it more maneuverable.

Application Method

The application was carried out in accordance with the Belzona-Know-How System Leaflet SOS-1 and SOS-2.

Belzona Facts

Ship was scheduled to leave the dry dock within 2 days. Immediately following surface preperation, Belzona 1111 (Super Metal) was applied to repair the pitted surface. A great advantage of Belzona 1321 (Ceramic S-Metal) is that it can be applied within a few hours on top of Belzona 1111 (Super Metal), without the need for further surface preparation. The work was completed within 5 hours. Belzona 1321 (Ceramic S-Metal) has a relatively short curing time until it is suitable for immersion, giving an added advantage, as it allowed a quick return to service.