Belzona Seals & Reinforces a Water Pipeline at a Nuclear Plant

ID: 8855

Industry:	*Power*	Customer Location:	*Bugey, France*
Application:	*VPF-Valves, Pipes and Fittings*	Application Date:	*July 2020*
Substrate:	*Carbon steel*		
Products:	*Belzona 1212,* *Belzona 1161 (UW-Super Metal),* *Belzona SuperWrap II (Belzona 1982 Resin),* *Belzona 9111 (Degreaser),* *Belzona 9341 (Reinforcement Sheet),*		

Problem

The pipeline was greatly corroded (mainly external corrosion) which led to the formation of a live leak at a weld.







Application Situation

A leaking water cooling pipeline within a Nuclear Power Plant.

Application Method

The pipeline could not be shutoff therefore grit blasting was not allowed. Surface preparation was therefore done using a Belt Sander & Grinder. The leak was plugged using Belzona 9611 (ES-Metal) and any pitting rebuilt using Belzona 1161 (Super UW-Metal) due to its surface tolerance prior to Belzona SuperWrap being applied. The application was carried out in accordance with Belzona System Leaflet VPF-11.

Belzona Facts

The application was carried out whilst the pipeline was in service therefore eliminating any downtime. The repair was also standards and calculated in accordance with ISO24817 with a 20-year design life.

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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