

## BELZONA SUPERWRAP II NOVEL NUCLEAR INSERT

**CUSTOMER**  
France

**APPLICATION DATE**  
2017

**APPLICATION SITUATION**  
Pump drain and suction pipe within a nuclear power station.

**PROBLEM**  
Damp conditions within the area have caused the breakdown of concrete surroundings and corrosion of the pipework, leading to significant loss of wall thickness. The asset owner required the structural integrity of the pipe to be reinstated. The Belzona SuperWrap II system could not be applied externally on the pipework, as it was housed within the concrete foundations, leading to the unique and novel use of the Belzona SuperWrap II system to manufacture an insert.

**PRODUCTS**  
Belzona SuperWrap II System  
Belzona 1161 (Super UW-Metal)  
Belzona 1321 (Ceramic S-Metal)

**SUBSTRATE**  
Carbon Steel

**APPLICATION METHOD**  
Application was carried out in accordance with a modified version of Belzona System Leaflets TCC-16a and TCC-16b. The pipe insert was manufactured using the Belzona SuperWrap II system, then bonded in using Belzona 1161 before being coated using Belzona 1321 for added abrasion resistance.

**BELZONA FACTS**  
The asset owner wanted a solution to reinstate and prevent further corrosion of the pipework. Replacement was not an option and the client was extremely happy with the high performance solution.

### PICTURES

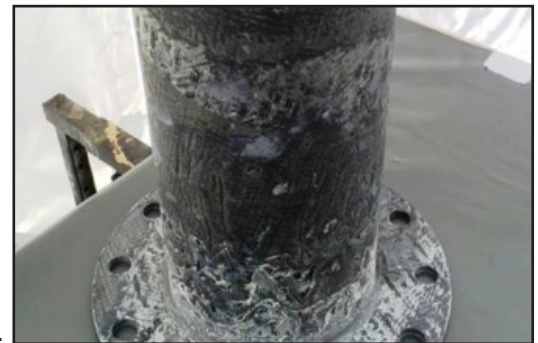
1. Extensive damage of the pipework and concrete within the pump drain.
2. Manufacturing the Belzona SuperWrap II insert
3. Completed Belzona SuperWrap II insert
4. Final application coated with Belzona 1321



1.



2.



3.



4.

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



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