BELZONA REPAIRS STEEL PIPE ELBOW AT A POWER PLANT

ID: 5423

PROBLEM
Very old pipe elbow needed to be replaced due to high corrosive pitting. It was close to having holes through to the concrete foundation of the historic building (power house).

APPLICATION SITUATION
Pipe elbow

APPLICATION METHOD
Sponge-Jet abrasive grit blasting was used to prepare the metal surface. Application was carried out in accordance with Belzona Know-How System Leaflet SHM-8.

BELZONA FACTS
Belzona provided the client with the solution to eliminate the outside environment to being able to affect the steel substrate. Due to time and the elements the pipe elbow was deteriorating. After preparation of the corroded metal surface using Sponge-Jet abrasive grit blasting, Belzona 1311 was applied and Belzona 1321 was then applied in two coats. This created a barrier and a smooth surface, and saved the client costs of having to retrofit a new pipe elbow, foundation alteration of a historic building, environmental challenges, and labor.

INDUSTRY
Power

LOCATION
Pacific Northwest, USA

APPLICATION DATE
September 2014

PRODUCTS
Belzona 1311 (Ceramic R-Metal)
Belzona 1321 (Ceramic S-Metal)

SUBSTRATE
Steel and concrete

PHOTOS
1. Pipe elbow before the application

2. Pipe elbow after Sponge-Jet Blasting

3. Pipe elbow after application of Belzona 1311

4. Pipe elbow after application of Belzona 1321