

# BELZONA REVIVES 'MOTH-BALLED' POWER PLANT

ID: 239



## PROBLEM

The power plant was sold under California's power industry de-regulation and was scheduled to be dismantled. The current energy crisis caused it to be called back on line, however, the water box for two of the units was severely corroded on the inside.

## APPLICATION SITUATION

A corroded 70-year-old cast iron water box.

## APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflets HEX-2, HEX-3 and HEX-5.

## BELZONA FACTS

The plant could not run without a 'new' water box. The only other solution was to literally replace the whole box and tube bundle. This would have taken six months and cost over \$3 million. The Belzona Solution allowed the utility to begin producing power for the lucrative market within days. Exterior condensation problems have also been solved.

## INDUSTRY

Power

## LOCATION

Power plant in southern California, U.S.A.

## APPLICATION DATE

May 2000

## PRODUCTS

Belzona 1121 (Super XL-Metal)  
Belzona 5811 (Immersion Grade)  
Belzona 2211 (MP Hi-Build Elastomer)

## SUBSTRATE

Cast iron

## PHOTOS

1. View of severe corrosion on the interior
2. Rebuilding with nearly 1/8" of Belzona 1121 over the entire surface of about 2,500 square feet
3. Coating with Belzona 5811
4. Sealing edges of box to tube sheet with Belzona 2211

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