

User: Coal Power Plant

DESCRIPTION OF THE PROBLEM: After inspecting the pipeline supplying river water used to cool the steam condensers, it was decided to clean the internal surfaces of the pipes from corrosion products and sediments accumulated as a result of many years of operation, precipitating from untreated water.

DESCRIPTION OF THE REPAIR: The pipeline was drained of water and pre-dried. Accumulated deposits were removed mechanically by forging and chiseling. The whole was then sandblasted to a surface condition of Sa 2½. The surface prepared in this way was protected against corrosion with the **Chester Coating D1/D2** system. It is a 2-layer airless spraying applied epoxy coating. Due to the large area (approx. 900 m²) and the need to shorten the repairs time as much as possible, application by airless spraying was the only option in this case. During the acceptance of the works, a coating tightness test was carried out using a low-voltage detector.

ACHIEVED EFFECTS: Thanks to the use of a highly efficient application method, the repair time was maximally shortened and the interior of the pipeline was very well protected against corrosion.

