



These pressure ducts / piping located at a hydroelectric plant in Germany were in need of a solution to prevent internal corrosion and potential leaks. Some of these ducts date back to the 19th century.

After the plant's maintenance engineers contacted the local ENECON distributor in Germany, it was decided the ducts would be protected internally with a METALCLAD DuraWrap Carbon Fiber Pipe Wrap System. A solution that would not only stop the existing corrosion, prevent future corrosion, but also provide structural reinforcement to the pipes.

The internal surfaces of the ducts were first abrasive blasted. Due to their age, some of the duct work was originally assembled with rivets. METALCLAD DurAlloy was used to smooth the rivet transition areas to allow 2 layers of carbon fiber to have proper coverage. Finally, a topcoat of CHEMCLAD XC was applied to ensure ultimate protection of these ducts / piping interiors.



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