



DOWAKSA CarbonWrap®

CASE STUDY

PACIFIC GAS & ELECTRIC (PG&E)
SAN FRANCISCO, CALIFORNIA

PIPE REPAIRS MADE EASIER IN REMOTE LOCATIONS

Problem

Pacific Gas and Electric (PG&E) has numerous large diameter steel pipes in remote areas of Northern California. These pipes are generally very old and constructed of riveted steel plates. Leaking and failure of these pipes have been a major problem for PG&E in recent years. Due to the area's remoteness and difficult-to-access pipes, replacement, or even partial replacement, has been very difficult and very expensive.

Solution

DowAksa CarbonWrap® provided a very attractive and cost-effective solution for PG&E to repair these pipes. The light weight and the very mobile nature of this technology have made it an ideal solution for this problem. The technique can be used to repair leaks and patch small areas, or to strengthen significant portions of the pipe, where thinning of the walls of the pipe could cause catastrophic failure.

Furthermore, applying two layers of DowAksa CarbonWrap® significantly increased the pressure rating of the pipe and protected it from further corrosion.



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