

Natural Gas Pipeline Repair



PROBLEM

The corrosion on this Natural Gas Pipeline that fuels a Blast Furnace in an aluminum plant was in critical need of a corrosion resistant repair that would also build up wall thickness.

The pipeline had to be repaired in-place to make sure no unscheduled outages would occur, saving the plant over \$1 million in downtime.

Unconventional Solutions had the perfect in-place repair solution.

SUBSTRATE

Metal

PRODUCTS USED

[USI Universal Cleaner](#)

[RESIMETAL 101 Metal Repair Paste](#)

[Resimac 808 High Strength Reinforcement Mesh Tape](#)

SOLUTION

Brass non-sparking tools and brushes were used to achieve an SSPC-SP 2 surface profile, to ensure the safety of the people and the plant. The pipe was then cleaned with [USI Universal Cleaner](#) and was coated in [RESIMETAL 101 Metal Repair Paste](#). The pipe was strengthened with [Resimac 808 High Strength Reinforcement Mesh Tape](#) followed by another coat of [RESIMETAL 101 Metal Repair Paste](#).

Due to the inability to grit blast the pipeline's surface, Unconventional Solutions was only able to offer a six-month guarantee. More than six years later, this pipeline is still in service.