

SYNTHO-GLASS®XT

PIPELINE INSTALLATION: REINFORCEMENT AND REPAIR



Problem

Numerous underground pipelines, with external wall loss and corrosion, are in need of immediate repair. Shutdown of the lines was not an option during repair and retrofit of the pipeline. A refineries loading pipe lines were found to have multiple sections of external wall loss in excess of 50% in some areas of localized pitting.

Conditions

The pipelines are unearthed to show multiple areas of corrosion damage and external wall loss. The pipes are old, still in workable condition, but in need of immediate repair and reinforcement.

Solution

The pipeline problem areas are first prepared by sandblasting, then applying an epoxy filler to fill in the pits with a secondary coat of a mastic epoxy to give added reinforcement and prevent future corrosion. These areas were then wrapped with multiple layers of Syntho-Glass®XT to provide reinforcement, rebuilds the pipe wall, and permanently repair the pipe.

Result

The reinforced pipelines are brought back to their original strength with a permanent repair of their problem areas. The repair was completed without the need to shut down pressure through the lines, thus saving the customer hundreds of thousands in shutdown costs.

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