



SLIPLINING RTP REHABILITATION – A NEW MILESTONE IN ENGINEERING ACROSS THE AMERICAS

Imantt led the rehabilitation of a corroded pipeline using non-metallic infrastructure, installing more than 4,000 meters of RTP flexible pipe to restore the integrity and extend the service life of the line.

Ecopetrol, Colombia’s leading state-owned oil company, faced the challenge of rehabilitating an aging network of pipelines whose metallic structure had been compromised by corrosion. The company needed to extend the service life of these critical assets to ensure the continuity of its operations in process water systems with a high concentration of H₂S.

To address this challenge, Imantt, a specialist in non-metallic engineering solutions, implemented a flexible RTP pipeline system using trenchless sliplining technology. The process involved inserting a 4-inch liner pipe into an existing 6-inch host pipeline, restoring the system’s integrity without the need for extensive excavation or operational shutdowns.

This solution enabled Ecopetrol to achieve a fast, safe, and sustainable rehabilitation, reducing intervention time, minimizing environmental risks, and significantly extending the operational life of its critical infrastructure.

Location: Colombia	Operating Conditions: 1,050 psi -50°C (41-122°F)
Application: Process water	Length: 4,000 m (13,123 ft)
Installation Method: Trenchless	Installation Duration: 5 days
Products: 4"	



Imantt selected flexible RTP pipelines for this rehabilitation project due to their versatility, corrosion resistance, fast installation process, and reduced operational costs. These characteristics made RTP the ideal solution for restoring critical infrastructure efficiently and safely.

The project highlighted the ease of handling, quick commissioning, and minimal environmental impact of non-metallic systems—reinforcing Imantt’s commitment to implementing innovative and sustainable engineering solutions across the region.

Sliplining RTP

Imantt’s experience with RTP flexible pipelines demonstrates how selecting the right system—combined with specialized technical support—can ensure immediate project success and deliver long-term operational benefits.

