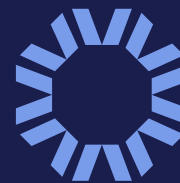


Project summary



Imantt Transforming infrastructure

By engineering imantt

First Implementation of RTP Technology by Imantt in Colombia, Huila

Introduction

Imantt has achieved a significant milestone in hydrocarbon transportation by implementing Reinforced Thermoplastic Pipe (RTP) technology in Colombia. This groundbreaking project in the Huila region exemplifies innovation and sets new operational standards in the country's energy industry.

"imantt leader in the supply and installation of RTP oil and gas pipelines."



First Implementation of RTP Technology by Imantt in Colombia, Huila

Project Description

The RTP pipeline was installed in Yaguara, Huila, covering a length of 1.2 kilometers to connect a water injection line to the operator's operating site. Designed to operate at a maximum operating pressure (MOP) of up to 1,600 PSI and withstand temperatures up to 55 °C, the system ensures robust performance and reliability in harsh conditions.

Technical and Operational Evaluation

Over 15 years since its implementation, the RTP pipeline has demonstrated remarkable resilience and durability. The exceptional performance is attributed to the advanced composite materials used in its construction, providing flexibility and high resistance to wear and corrosion. This robust design has exceeded industry expectations for reliability and efficiency.

Key Technical Parameters

Parameter	Specification
Maximum Operating Pressure (MOP)	Up to 1,600 PSI
Temperature Range	Operative up to 55°C
Durability	Over 15 years of continuous operation
Materials	Advanced composites ensuring flexibility, wear resistance, and corrosion resistance

Impact on the Energy Industry

Imantt's implementation of RTP technology in Colombia has profound implications for the energy sector:

1. **Pioneering Innovation:** First RTP implementation in Colombia, setting a new benchmark in hydrocarbon transportation.
2. **Efficiency Improvement:** Significant reductions in maintenance and operational costs due to enhanced durability and reliability.
3. **Sustainability:** Lower environmental impact through improved efficiency and extended pipeline lifespan.
4. **Operational Safety:** Enhanced safety standards ensuring secure hydrocarbon transportation operations.

Conclusion

The successful deployment of RTP technology by Imantt in Yaguara, Huila, represents a pivotal advancement in Colombia's hydrocarbon infrastructure. This case study underscores Imantt's leadership in delivering innovative solutions tailored to the evolving needs of the energy sector. The system's proven durability and efficiency highlight Imantt's dedication to excellence, customer satisfaction, and sustainable development in energy infrastructure.

In summary, Imantt's RTP technology in Huila not only enhances operational efficiency and safety but also establishes new benchmarks for sustainability in hydrocarbon transportation, solidifying Imantt's position as a pioneer in the energy industry.

Contact Information

For more information on this case study or to discuss how Imantt can support your hydrocarbon transportation needs, please contact:

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Imantt: Leading the Future of Energy Solutions

This Project summary has been prepared to provide insights into the innovative approaches employed by Imantt in advancing the energy sector through RTP technology.

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