

# REFERENCE CASE PIPELINE



## Inspection and verification along the supply chain of a gas pipeline across the world

YPFB Transporte required inspection and verification of their global supply chain to ensure the quality of their gas pipes. That's why they turned to TÜV Rheinland.

Basic facts	
Client	YPFB Transporte S.A.
Involved companies	Suppliers: <ul style="list-style-type: none"><li>▪ M.Royo</li><li>▪ Tenaris Siat</li><li>▪ Confab</li><li>▪ Liaoning Northern Steel Pipe Co. Ltd.</li></ul>
Timeframe	October 2010 – Ongoing
Project location	Argentina, Brazil and China
Main services	<ul style="list-style-type: none"><li>▪ Inspection during manufacturing</li><li>▪ Verification of documents</li><li>▪ Verification of manufacturing procedures</li><li>▪ Verification of gas pipes</li><li>▪ Pre-shipment inspection</li><li>▪ Verification of coatings</li></ul>
Involved regulations/standards	American Petroleum Institute (API) 5L

### Initial situation and requirements

YPFB Transporte is Bolivia's leading distributor of natural gas and liquids. The company purchases gas pipes for its expanding distribution network on a regular basis. The company's supply chain stretches across Argentina, Brazil and China. To ensure that the pipes are manufactured in compliance with strict quality and safety standards, YPFB Transporte required inspections throughout their global supply chain.

## Solutions, results

As a leading provider of inspection services for the oil and gas industry, TÜV Rheinland was the preferred choice for YPFB Transporte. With our global presence we provide comprehensive inspection of gas pipes and their suppliers in Argentina, Brazil and China.

Our inspections begin during the manufacturing process, including verification of manufacturing procedures, such as welding, welding equipment, and supplier qualifications. We provide intensive inspection and verification of pipe coatings along with verification of the final product and pre-shipment inspections.

We also verify all pipe documentation, such as test records, mill certificates, non-destructive testing (NDT), hydrostatic test records and coating controls, issuing non-conformities as required.



### Did you know?

YPFB Transporte owns and operates a pipeline network of approximately 3,000 kilometers.

### Benefits for the client

TÜV Rheinland helps YPFB Transporte to:

- Gain expert inspection and verification services across their global supply chain.
- Detect potential problems across their supply chain to avoid issues and delays during the build stage.
- Issue payment to suppliers, on completion of satisfactory inspections.
- Ensure that gas pipes are manufactured in compliance with API 5L.

### Your contact:

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### About TÜV Rheinland:

Founded 140 years ago, TÜV Rheinland is a global leader in independent inspection services, ensuring quality and safety for people, the environment, and technology in nearly all aspects of life.

We inspect technical equipment, products and services, oversee projects and help to shape processes for companies around the world. Since 2006 we have been a member of the United Nations Global Compact to promote sustainability and combat corruption.

As a provider of comprehensive inspection services for the oil and gas industry, we can help you to reduce risk, prevent material defects and ensure maximum safety of your plants and pipelines. We can support you with certification, inspection and testing services and help you meet your obligations for all applicable standards and regulations. Our experts can assist you throughout the entire life cycle of your assets or plant and also along your supply chain.