

# REFERENCE CASE REFINERY



## Inspection and verification of global supply chain activities for leading oil and gas company

YPF required inspection and verification of their global supply chain to ensure the quality of materials and equipment purchased from a wide range of suppliers. That's why they turned to TÜV Rheinland.

Basic facts	
Client	Yacimientos Petrolíferos Fiscales (YPF)
Timeframe	August 2009 – Ongoing
Project location	Argentina, USA, Mexico, Brazil, Spain, Portugal, Italy, India 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 materials and equipment</li><li>■ Pre-shipment inspection</li><li>■ Issuance of non-conformities</li></ul>
Involved regulations/standards	<ul style="list-style-type: none"><li>■ American Society of Mechanical Engineers (ASME)</li><li>■ American Petroleum Institute (API)</li><li>■ YPF standards</li></ul>

### Initial situation and requirements

YPF is one of Argentina's leading energy companies, specializing in upstream and downstream operations such as exploration, development and production of crude oil, natural gas, and liquefied petroleum gas. The company purchases materials and equipment from suppliers all over the world. To ensure all materials and equipment comply with quality and safety standards, the company required third party inspections across their global supply chain.

## Solutions, results

With our global presence we provide YPF with comprehensive inspection and verification of materials and equipment purchased from their suppliers in Argentina, USA, Mexico, Brazil, Spain, Portugal, Italy, India and China.

Our inspections begin during the manufacturing process, verifying manufacturing procedures, including welding and welding equipment, and ensuring that suppliers and their personnel hold the relevant qualifications.

We also verify all quality documentation, such as test records, mill test certificates, non-destructive testing (NDT), and performance test results, issuing any non-conformities as required.

### Did you know?

YPF rated our performance on the initial contract as “very good” and extended the contract by a further 18 months.



### Benefits for the client

TÜV Rheinland help YPF to:

- Gain expert inspection and verification services across their global supply chain.
- Detect potential problems along the supply chain to avoid issues and delays in the construction phase of their projects.
- Issue payment to suppliers, on completion of satisfactory inspections.
- Ensure that all materials and equipment meet the relevant regulatory standards and the client's strict technical specifications.

### 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.

Due to our extensive knowledge of supply chain services, we can help you to trace your entire supply chain, ensuring quality and safety of the materials and products that are destined for your project. When planning a project, we help you to select qualified and capable suppliers to assure the quality of materials and components and to avoid delays in delivery.

We offer you a comprehensive range of services, including auditing, assessing or verifying suppliers, according to your specifications or applicable international codes and standards. We can also provide project management, quality assurance, quality control, on-site inspections, and diverse supporting services along your whole supply chain.