

REFERENCE CASE RAIL



Project Management Services for Major Railway Extension in Brazil

Vale required an experienced partner that could provide project management services to help with a major extension of the Carajás railroad. That's why they turned to TÜV Rheinland Ductor, our project management company in Brazil.

Basic facts	
Client	Vale
Timeframe	February 2007 - August 2007
Project location	Maranhão and Pará (Amazon region), Brazil
Main services	<ul style="list-style-type: none">▪ Project management services▪ Planning, programming and control of works▪ Supervision of civil works▪ Enforcement of security procedures▪ Environmental inspections
Involved regulations/standards	<ul style="list-style-type: none">▪ Brazilian Standards – ABNT▪ Vale standards

Initial situation and requirements

Vale is one of the largest mining companies in the world and the global leader in iron ore and pellet production. Vale also invests heavily in rail infrastructure and trains and owns concessions for three railways in Brazil. The company needed to extend the Carajás railroad, which links iron ore mines from Pará to Maranhão. Vale required professional management services from a provider experienced in civil works and railway infrastructure to ensure that the extension was completed successfully.

Solutions, results

As a leading provider of project management services for the construction industry with extensive experience in civil works and railway infrastructure, TÜV Rheinland was the preferred choice for Vale. We provided project management services for the Carajás railroad extension, including planning, programming, control of works, and physical and financial monitoring.

We supervised the civil works and ensured that contractors adhered to all security requirements. We provided inspections to ensure that all environmental obligations were met. Our experts managed to establish good communication despite the hard circumstances of the Amazon region across the 800-kilometer track.

Did you know?

Vale plans to operate a 3.2 kilometer-long train with 340 cars on the Carajás railroad.



Benefits for the client

TÜV Rheinland helped Vale to:

- Ensure the quality of works carried out along 800 kilometers of track.
- Meet all environmental obligations.
- Increase iron ore transportation to 100 million tons per year.

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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.

Industrial services were our first, and remain our biggest, business stream. We ensure that industrial plants and related materials, installations and machinery meet all quality and performance requirements – whether they are regulatory, voluntary or customer based.

We support you at every phase of your industrial project, from design and installation, right through to commissioning, operation and maintenance, helping you ensure the safety and reliability of your assets. However, our services stretch far beyond regular test reports and inspections. We work closely with you to find the very best solutions for your unique requirements, optimizing your value chain and the sustainability of your business.

With extensive construction industry experience, we can help you to reduce risk, prevent construction errors, control budgets and effectively keep your construction project on schedule. From planning to implementation, we can help you ensure the safety, quality and durability of your structural or civil engineering projects around the world.