



Program level execution of a First Ever Indian Metro Train Project

CASE STUDY : RAIL

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Delivered €14 Mn net savings over a single year while also helping our client adapt to local requirements

Ideal *Localization* partner to provide end to end services from concept through aftermarket services tailored to Indian market

Business Case

With the metro rail emerging as a solution to address the transportation woes of the ever increasing Indian metro population, the Client was looking for an Indian partner to provide the engineering design services and the local market support in the project execution

The Client is the world's largest rail equipment manufacturing and servicing company. The company's range of products includes passenger rail vehicles, locomotives, bogies, propulsion, and controls.

Expertise

Infotech with its vast experience in executing rail engineering projects and rich localization know-how emerged as the ideal partner for the client's India market entry strategy and project execution.

Infotech management envisioned a long term strategic relationship with the Client and set up a Center of Excellence for the client at its Hyderabad office to support them in their Indian market pursuits. Sensing the criticality and complexity of the project, a dedicated engineering and program management team was set up. The team started off with the concept design phase and went on to prepare the detailed designs and Manufacturing drawings for the project.

**Engineered
scalable and cost
optimized
solutions**

Benefits

Euro 14 Million net savings delivered over the calendar year of 2009 to the Client

Infotech emerged as the Localization partner in India and provided the crucial manufacturing support and supplier follow up while helping client adapt to Indian Regulatory standards

Reduced significant costs in Installation, Commissioning, Warranty support exercises by avoiding substantial cost on overseas travel

Fast and efficient resource Ramp-up and Ramp-down to meet the client's project requirements

Project Details

Created concept design for the mountings and installations of underframe, Cab, interiors, Bogie & roof

Load/stress calculations and weight optimization of sub systems were done

Designed changes for car body structure to meet structural load requirements

Electrical Harness routing was performed

Manufacturing drawings were created

Technical authoring was done for total life cycle documents.

With its thorough knowledge of the local market, the Infotech team went on to support the client by providing manufacturing and after market services support

Tools and Technologies

Catia, Hypermesh,
Ansys, MS Office

About Infotech

Infotech Enterprises provides leading-edge engineering solutions, including product development and lifecycle support, process, network and content engineering to large organizations worldwide. With nearly two decades of continuous growth and profitability, we leverage our "Global Delivery and Collaborative Engineering Model" to achieve measurable and substantial benefits. We help you for our clients, right from day one of any engagement.

To put it simply, whether you need to design innovative products faster, optimize your R&D costs, increase your market-share, enhance your operational efficiency or maximize the return on investment in your networks, Infotech Enterprises is the ideal partner.

Headquartered in Hyderabad, India, Infotech Enterprises is a leading global engineering services and solutions company with 8,000+ associates across 30 global locations. We adopt a consultative and proactive approach to serve our clients worldwide with our best-in-class delivery centers in North America, Europe, Middle East and Asia Pacific regions. Our clients operate in different industrial verticals such as Aerospace, Rail, Heavy Engineering, Semiconductors, Telecom, Utilities and Energy and include 22 'Fortune 500' and 27 'Global 500' blue chip organizations across the globe.

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