

TATA CONSULTANCY SERVICES

Experience certainty. IT Services
Business Solutions
Outsourcing



Solutions for Telecom Industry

Engineering and Industrial Services



Changing industry trends such as broadband technologies, convergence of technologies and devices and increasing consumer demands have made it essential for telecom companies to introduce innovative, new products and services to market, and do it quickly. With need to meet compliance standards and reduced time to market, telecom companies face huge challenges. Tata Consultancy Services (TCS) enables you to meet these challenges through its EIS Solutions for the Telecom Industry. Utilizing our domain expertise and engineering skills, we help you bring new products to market quickly and maximize gains across the product lifecycle.

Overview

The rapid convergence of technologies in the telecom industry is fueling the development of innovative products and services. Fast growing broadband technologies and user applications are scoring over traditional voice-based applications. The implications: telecom companies must move product platforms from legacy systems to open systems, and shorten the time-to-market cycle.

With globalization of operations, consolidation in the NEM (Network Equipment Manufacturers) space, and equipment vendors moving to service areas, there are many factors affecting your operations and therefore, revenue and growth.

TCS leverages its engineering and IT strengths to address your concerns, be it for product engineering and configuration, or asset and maintenance management solutions or for geospatial

technologies. Our integrated approach towards the entire product lifecycle – from the concept and manufacturing to the supply chain stage – helps answer your issues. Through our offerings, you can:

- Realize product strategy in the upcoming technology products;
- Quicken time-to-market, and create high-quality technology products at reduced costs through collaborative engineering;
- Enhance the market share of your products;
- Gain from working with Low Cost Countries (LCC);
- Ensure continuous improvement in operational efficiency

Our offerings

TCS' solutions for telecom equipment vendors and operators are backed by proven expertise, and include an extensive range of services like Product Engineering, Manufacturing and Supply Chain Management, Product Lifecycle Management, Geospatial Technologies and so on.

Here's a detailed list of our offerings:

For Equipment Vendors

- Design, development, testing and support services for telecom equipment
 - Embedded hardware and software development
 - VLSI / FPGA design services
 - Platform/BSP/Driver development and support
 - Protocols, middleware design services
 - GUI / Application development services
 - Complete electro-mechanical product manufacturing services

- Design, implementation, deployment and support of PLM systems
- Manufacturing and sourcing process support services
- Design re-engineering services at low costs, low power features
- ROHS, WEE compliance and UL, CE certification services
- Technical publication services: user, service and operation manuals

For Telecom Operators

- Design, implementation, deployment and support of GIS systems
- GIS data migration services
- Test solutions for operators
- Asset management solutions

Why TCS

TCS, through domain expertise of its experienced professionals and process based approach, has provided Telecom Product Engineering and R&D Services over the last two decades, helping telecom enterprises realize their goals. We also bring to the partnership

- **Reusable assets and frameworks**, which reduce the time-to-market of products and services;
- **Global Network Delivery Model™ (GNDM™)**, which brings you cost efficiency and global reach;
- **Full services play** ranging from design, prototype, testing, to field services. We also leverage other related services from TCS' to cater to your requirements;
- **Product innovation and use of Lean Six Sigma and IT** in engineering to increase productivity;
- **Automation and offshore leverage**, which reduce your costs of ownership and operations.

About Tata Consultancy Services (TCS)

Tata Consultancy Services is an IT services, business solutions and outsourcing organization that delivers real results to global businesses, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled services delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development.

A part of the Tata Group, India's largest industrial conglomerate, TCS has over 160,000 of the world's best trained IT consultants in 42 countries. The Company generated consolidated revenues of over US \$6.3 billion for fiscal year ended 31 March 2010 and is listed on the National Stock Exchange and Bombay Stock Exchange in India. For more information, visit us at www.tcs.com

Contact

To know more about TCS' EIS Solutions for Telecom Industry, contact corporate.engineering@tcs.com

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