

Tata Infotech develop a product for a Telecom equipment vendor that helps in rapidly transitioning wireless networks to accommodate multiple standards



Telecom Practice

Wireless technology connects business partners, family members and those in need with critical, even life saving, emergency services – across the block and around the world.

It is therefore imperative that these connections are made easier, faster, stronger, more accessible and more reliable. The era of wireless is here. The opportunities to leverage, optimize and extend wireless technology are only just beginning.

A leading Wireless Products provider

Our client is a leading provider of products, services, and expertise to the wireless industry. It is also a leading provider of wireless test solutions for field test applications, wireless emergency call box systems, and mobile power products for laptop computers, cellular telephones

and other handheld devices.

Their powerful next-generation wireless testing solutions deliver maximum flexibility, scalability and modularity. These solutions are helping rapidly transitioning wireless networks to accommodate multiple standards– from legacy systems to next-generation technologies – and meet challenges for deployment and maintenance. The result is better service, lower costs, increased customer satisfaction and increased revenues.

Wireless test solutions

Our client has outsourced software development of its product on test and measurement of wireless communication services at Tata Infotech's facility in Chennai. Three projects are being executed under this program.



Product development at our Offshore testing center

Three programs will be executed from the offshore development center. These are as follows.

1. Optimizer with WCDMA

The Optimizer product is an automated tool for fault finding and resolution, which helps the carriers to identify key problems that affect network performance, isolate the causes, and find cost-effective solutions. Development of two products in the Optimizer range of products, are being carried out at the offshore testing center. These are new optimizer tools, which will support WCDMA and a new version of existing X.50 series Optimization tool.

2. Benchmarking software

This project covers the development of benchmarking software and is developed in Windows environment and qualified

in Windows ME and XP operating systems.

This product line supports the different wireless technologies of competing networks, and is used to simulate and evaluate network performance in real world conditions from the subscriber's perspective. The systems measure aspects such as audio quality, dropped calls, and out of service occurrences.

3. X.50 Replacement

This project covers the development of a new version of existing X.50 series Optimization tool. The existing X.50 products support GSM, CDMA, IS-136 and iDEN technologies. This version of the tool will also support GPRS and UMTS.

The range of products will help in optimizing the cellular networks to improve the utilization of capital. It will also help in maintaining the highest levels of QoS.