

## Case study

### Leading Indian Telecom Operator Uses Accuver XCAL to Quickly Launch the World's Largest LTE Wireless Network



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Recently, a leading telecommunications service provider in India undertook a pan-India high speed LTE voice and data network launch, one of the largest LTE rollouts ever attempted. Given the size and complexity of the project, the company needed a trusted testing partner to quickly help confirm reliability and optimize performance of their wireless network.

## THE CHALLENGE

LTE technology is still a new technology in India, a country that ranks second in the world by population and seventh by surface area. Beyond the sheer size of the network needed to service a country of that size, the LTE rollout was further complicated by the limited number of skilled network engineers in India and a firm and fast approaching launch date.

The ideal network testing partner would need to offer a highly customized solution to fit the service provider's unique requirements. Specifically, they would need to:

1. Create a centralized system for monitoring and managing the testing progress
2. Offer a solution to quickly analyze test results and automatically generate reports
3. Provide a smartphone solution so simple to use that non-engineers could easily operate it
4. Manage often inexperienced field engineers in real-time to ensure they followed and completed routes

## THE SOLUTION

The service provider chose Accuver based on its industry-leading knowledge of LTE, its heritage as the first company to support LTE network testing, and its reputation for fast and accurate testing.

Accuver began by establishing close communication with the service provider's network testing team, working to understand their unique requirements. The company indicated they needed a solution that would help them meet their fast-approaching launch deadline. Plus, they needed the testing done as cost effectively as possible while ensuring field engineers delivered the right results, often with little prior experience.

With XCAL-Mobile, the service provider was able to generate more logging files per day from field engineers, generating testing reports up to four times faster than other solutions. More than 500GB of log data was collected per day by more than ten thousand XCAL-Mobile clients. The data was fed into XCAP-Vuze, a centralized server-based post processing solution for both drive and in-building testing, that quickly generated detailed testing reports. With XCAP-Vuze, the service provider could monitor integrated and summarized log data in one server in real-time, including call results and RF parameters.

To help alleviate concerns around using unproven field engineers, Accuver added real-time, automated route monitoring to its XCAL-Auto fleet monitoring solution, making it easy for engineers to achieve 100% coverage on drive routes. For those instances when a route wasn't completed, the system automatically alerted supervisors and generated a report detailing exactly what part was left. In addition, field engineers did not require any specific training to use XCAL-Mobile.

The result? Much higher testing efficiency, greatly reduced errors in the field, and a faster testing process. The service provider was able to meet their critical field testing deadline and the company's LTE rollout was an unmitigated success.

*Sidebar:*

## CUSTOMER PROFILE

Company : A leading Indian Telecom Operator

Industry : Telecommunications Service Provider

Products : XCAL-Mobile, XCAL-Auto, XCAP-Vuze

- High efficiency data logging able to generate reports up to four times faster than competing solutions
- No need for skilled engineers in the field
- Centrally monitor, analyze, and manage field activities and progress
- On-the-ground, 24/7 customer service

# ACCUVER



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