



**CASE
STUDY**

Enabling Industry 4.0 based
**Remote Monitoring of Lab Assets to
Improve Equipment Utilization and Health**



Client

A leading electronics test, measurement equipment, and software manufacturing company, based out of the US



Business Challenge

The client faced various issues related to equipment utilization, health, and asset visibility including:

- Absence of real-time view of asset health resulted in increased downtime
- Lack of visibility of idle time of assets led to decreased usability of assets
- Non-optimization of lab equipment for seamless usage by internal teams and end-users led to repeated purchases across various departments



ITC Infotech Solution

ITC Infotech designed and implemented a real-time asset track and trace solution leveraging Industry 4.0 platform to optimize lab equipment like oscilloscopes, multimeter, and analyzers utilization, minimize downtime and generate utilization reports

- Implemented hierarchy level tracking of assets, location updated by RFID and barcode systems
- Established loan pooling to time share assets to increase equipment utilization
- Enabled easy access to reports and dashboards, helping the client measure equipment usage
- The intuitive design helped gain insights on sharing and utilizing the lab assets available, thus avoiding CapEx spent
- Automated periodic inventory audit programs and department level usage reports



Business Benefits

3-4% increase
in equipment utilization

Reduction of CapEX
due to sharing of equipment

Real-time information on
health of lab equipment

Enhanced efficiency with
end-to-end lab asset track
and trace

About ITC Infotech

ITC Infotech is a leading global technology services and solutions provider, led by Business and Technology Consulting. ITC Infotech provides business-friendly solutions to help clients succeed and be future-ready, by seamlessly bringing together digital expertise, strong industry specific alliances and deep domain expertise. The company provides technology solutions and services to enterprises across industries through a combination of traditional and newer business models, as a long-term sustainable partner.

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