



Let's Solve



A Larsen & Toubro Group Company



## Case Study

# Cloud-agnostic Connected Car Implementation for Leading Japanese Automobile Manufacturer

For a Japan-based global automotive manufacturer, LTI implemented a cloud-agnostic connected car solution via cross platform DevOps, containerization and API management on AWS hybrid cloud for microservices and mobile apps to enhance visibility across entire CI/CD pipeline, reduce time-to-market by 35%, and 40% faster product development.



## Client

The client is one of the world's leading automobile, commercial vehicle and power equipment manufacturers based in Japan.



## Challenges

- ▶ The client's connected car line of products featured multiple user-facing web and mobile applications supported by a complex system of services including legacy, mainframe, integration bus, messaging, security and ERPs. There was a need of end-to-end visibility across tools and services for effective collaboration.
- ▶ The delivery of services to the end users involved manual activities in building packages, testing and deploying with time-bound co-ordination between multiple teams leading to slow time-to-market.
- ▶ Consumer-facing mobile applications faced low user ratings which resulted in low customer satisfaction index.



## LTI's Solution

LTI implemented cloud-agnostic connected car solution via cross platform DevOps, containerization and API management on AWS hybrid cloud for microservices and mobile apps. The details of solution are -

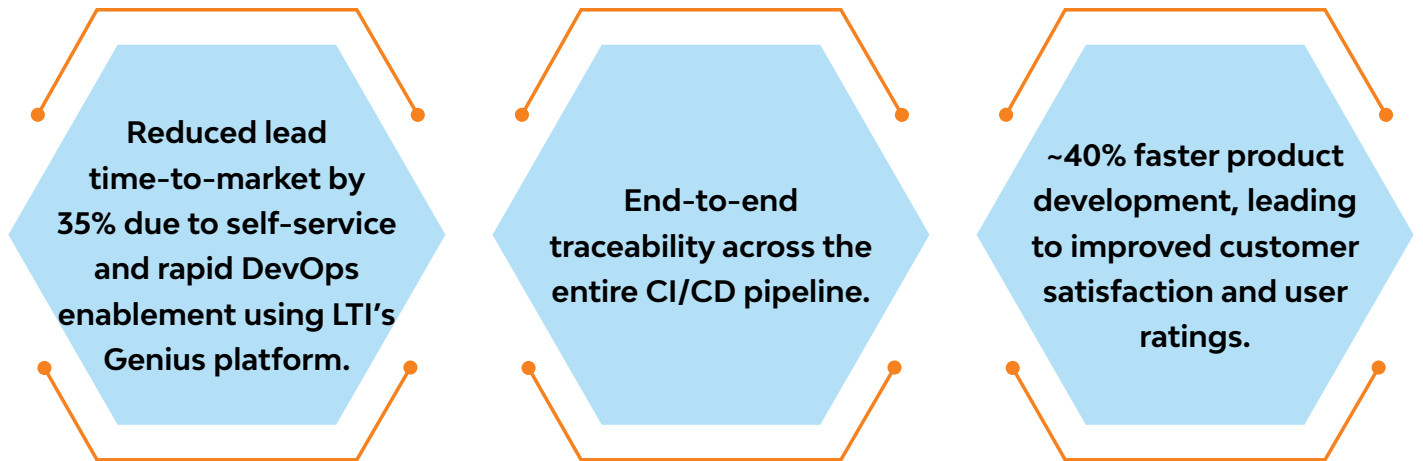
- ▶ We developed a future-proof, cloud-ready architecture designed to scale limitlessly.
- ▶ Microservices deployed as Docker swarm services (replicated containers) with auto-scaling, monitoring and log aggregation.
- ▶ Built app lifecycle automation designing DevOps platform.
- ▶ Single DevOps platform solution for microservices (Java & .NET) and mobile apps (Android & iOS) on AWS hybrid cloud led to technology risk reduction and landscape transformation.
- ▶ Cloud-agnostic and container management solution implemented to avoid vendor lock-in.
- ▶ Infrastructure automation was done using Docker.

**Technology Used:** Docker, AWS Cloud – AWS EC2, Java, .NET, Mobile apps – Android, iOS.



## Business benefits:

Consistent user experience using a tool/ cloud-agnostic solution



**LTI (NSE: LTI)** is a global technology consulting and digital solutions Company helping more than 400 clients succeed in a converging world. With operations in 31 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivalled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 30,000 LTIites enable our clients to improve the effectiveness of their business and technology operations and deliver value to their customers, employees and shareholders. Find more at <http://www.Ltinfotech.com> or follow us at [@LTI\\_Global](https://twitter.com/LTI_Global)