



Let's Solve

# Case Study

Robust and Scalable Data Streaming  
Solution for Leading Automobile Company



A Larsen & Toubro  
Group Company

## Client

Leading Europe-Based Automobile Firm

## Business Objectives

The automobile client's complex ESB-driven integration landscape hindered them from partnering with Rio - an open, manufacturer-independent, cloud-based platform for freight transport. Furthermore, the firm was battling high operational costs caused by the lack of freight visibility. Also, the non-availability of native support for cloud-based applications contributed to a high TCO.

## LTI Solution

- Seamless data flow and integration with event-driven architecture.
- Automated event bus platform using open source technologies viz. Apache Kafka and Confluent, to maintain real-time data pipelines of freight status, location and traffic updates.
- Automation with infrastructure as a code.
- Scalable architecture with Amazon AWS.

## Business Benefits Delivered

- **40%** reduction in operational cost with real-time freight status and location.
- **25%** improvement in truck maintenance cost, with real-time data streaming.
- **30%** improvement in productivity by preventing unnecessary truck kms., with real-time traffic and route updates.

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