## Case Study

# Real-time Analytics Enables Proactive Activities for Leading Vehicle Manufacturer in India

LTIMindtree redesigned informational architecture and facilitated ability of real-time analytics for a leading Indian automotive manufacturer to reduce overall TAT by 95% and cost savings of 30% with new architecture.

# Client

The client is one of the leading vehicles manufacturer in India, designing and manufacturing compact electric vehicles.

# Challenges

- ▶ Leveraging of data for business insights.

- ▶ Creation of prediction and real-time notifications to vehicle users.

- ▶ Ensuring timely reporting to make business-critical decisions.
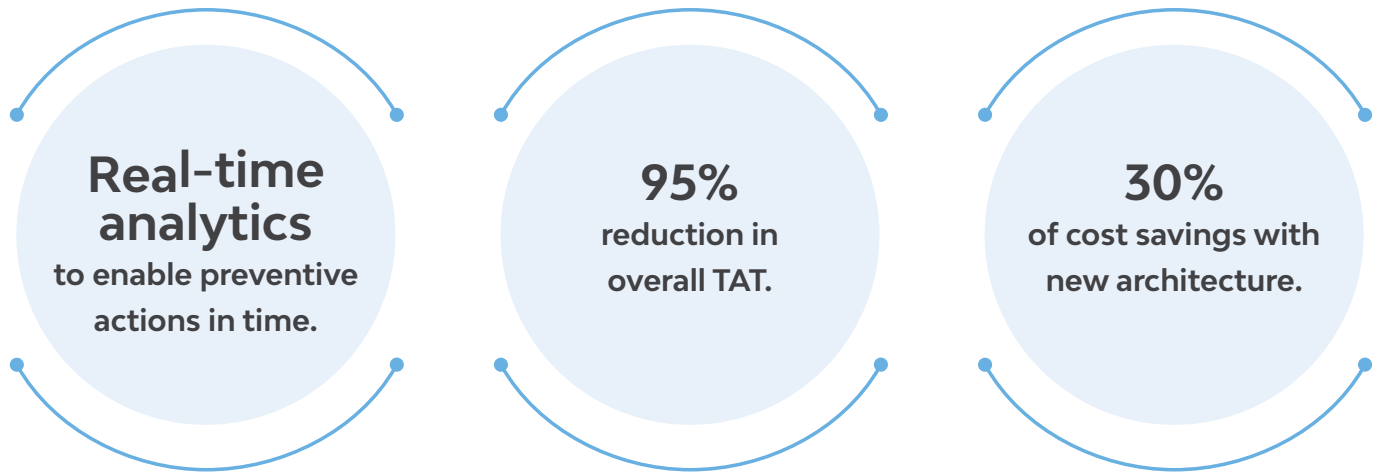
# LTIMindtree's Solution

- ▶ Complete redesign of informational architecture.

- ▶ Created data pipeline to ingest all the streaming data from cars.

- ▶ Facilitated the ability of real-time analytics, which was not possible earlier.

- ▶ All applications were containerized for improved availability and performance.

- ▶ Setting up notifications to be pushed to final consumer mobile app to prevent any anomalies or incidents.

Technologies used: DMS, ML Engine, Redshift DWH, Power BI, Data Pipeline, Lex, NLP Engine, Voice Recognition AP Cassandra, Amazon Kinesis, Amazon Redshift, Amazon Athena, and Tableau.

# Business Benefits

Consistent user experience using a tool/cloud-agnostic solution.

**Real-time analytics** to enable preventive actions in time.

**95%** reduction in overall TAT.

**30%** of cost savings with new architecture.