

Success Stories

Top light-mobility manufacturer in the USA



Objectives

Develop a **Root Cause Analysis** of the high percentage of spare parts usage relative to sales

Build a **Spare Parts Forecast** for future demand visibility with high accuracy

Implement a new inventory policy with clear **Trade-offs between service level and cost-to-serve**

Use **AI** for decision support on **Short-term Replenishment Actions**

Extract insights to support **competitive advantage** for the business

Solution

1 DATALAKE

Private and public data sources are integrated into a dedicated layer of the Data Lake, supporting planning, scheduling, and supply chain processes.

2 AI & STATISTICAL MODELS

Forecasting models, inventory insights, and rule-based engines are developed through a collaborative approach that integrates business expertise with advanced analytics.

3 DATA ANALYTICS & DATAVIZ

Dashboards generated to showcase key performance indicators that reflect the impact of algorithms and analytical models on business decision-making.