OPTIMIZED SOLUTIONS

PREDICTIVE MAINTENANCE OF FACTORY ASSETS

Optimized Solutions helps an automotive plant reduce downtime & increase productivity

CASE STUDY

Production Planning/ Automotive/ Digital Transformation

Global supplier of automotive parts was looking to reduce high costs of machinery maintenance. Optimized Solutions implemented a solution to predict downtown of factory assets and reduce repair & maintenance costs

TYPE OF PROJECT
Digital Transformation (Operations)

MARKET
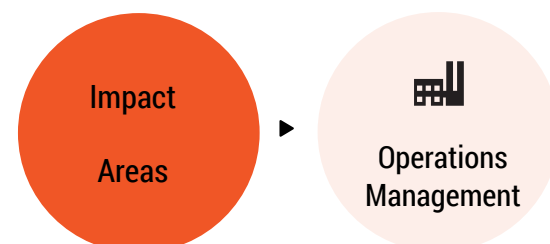MANUFACTURING / Automotive

LINE OF BUSINESS
Production (Operations & Logistics)

OVERVIEW

Optimized Solutions intergrated a digital transformtion solutions that worked with IoT sensors to provide predictive factory asset maintenance & helped lower costs.

PROBLEM STATEMENT

The client, one of the word's largest supplier of automotive components was unable to predict downtime of factory assets and as a result incurred high costs of maintaining machinery.

Impact Areas ▶ **Operations Management**

SOLUTION

Optimized Solutions flagship digital transformation tool, Accelerated Architecture for Manufacturing Intelligence (AMI), worked with IoT sensors to provide predictive factory asset maintenance & lowered costs.

Specifically, we:

❶ Identified patterns and outliers in the data related to vehicle/ parts/ asset performance
❷ Captured the following sources:
  • Maintenance schedules & service history
  • Defect/ repair logs
  • Service/ maintenance logs
  • Call logs
  • Process logs from sourcing to endpoint delivery
  • Manufacturing history/ logs
❸ Defined models to identify patterns or potential factors for failure
❹ Improved safety & security, CSAT, CLTV, reduced direct/ indirect

We built the AMI architecture ground up by closely observing the currently available DX solutions and honed it to provide the best-of-the-breed solution for seamless, clear and precise intelligence that makes for strategic decision making and that is suprisingly cost and time effective.

~Sam Reddy, CEO Optimized Solutions

BENEFITS

01 Minimized downtime

02 Increased production efficiency, yield, and product quality

03 Reduced cost of asset maintenance

ABOUT OPTIMIZED

Optimized Solutions is a modern information engineering enterprise that provides trusted and reliable IT solutions to Fortune 500 companies and Digital Intermediaries. With more than a decade of proven experience in SAP Suite, Cybersecurity, Augmented Intelligence & Machine Learning, Cloud Migration, and Data Management & Analytics, Optimized Solutions empowers companies to drive disruption, seize opportunities, and embrace innovation through successful digitalization initiatives.

Optimized Solutions is based in Chicago, USA, with offices in Boston and India.

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