

Boosting Factory Performance with AI-Powered Analytics for T-1 Automotive Supplier

Client Profile

A global leader in mobility technology and automotive supply, known for their innovative approach to design, engineering and manufacturing.

CHALLENGES

The client faced challenges related to:

- Lack of real-time equipment monitoring
- Manual data collection and reporting
- Limited visibility into production performance
- Limited traceability of materials, products, and scrap produced
- Inconsistent quality control
- Sustainability concerns

SOLUTIONS

ITHENA deployed iMEX, smart manufacturing solution:

1

Performance Monitoring

Implemented persona-based dashboards to monitor OEE, identify bottlenecks, and analyze machine health and downtime in real time

2

Preventive Maintenance

Utilized an AI/ML-powered solution to automate data collection and schedule maintenance

3

Digital Quality Assurance

Provided digital insights into product quality, ensuring consistent results and minimizing scrap waste

4

Service Management

Introduced a centralized platform for managing help requests and delivering digital checklists, ensuring prompt assistance and adherence to standardized procedures

5

Traceability System

Deployed system to track materials and products, throughout the production cycle, improving transparency and accountability

6

Optimized Sustainability

Enabled real-time tracking and monitoring of energy consumption, improving efficiency and reducing waster generation

BENEFITS

25%

Boost in
equipment
performance

15%

Rise in
production
quality

23%

Increase in
equipment
uptime

28%

Reduction in
energy
consumption



ITHENA optimized operations, with improved SQDC leading to **higher FRI, reducing downtime, boosting productivity, and maximizing profits.**



marketing@ithena.ai



www.ithena.ai



4470 Cox Rd, #275
Glen Allen, VA 23060, USA