CASE STUDY

Maximizing Profits with Performance Analytics for the Packaging Industry

Client Profile

A global provider of ready-to-eat food packaging solutions, and recipe formulation for renowned food brands and defense organizations.



iSERV optimized operations through **predictive maintenance, performance monitoring,** and **SPC controls.**

CHALLENGES

The client faced challenges related to:

- Lack of real-time visibility & unreliable OEE calculations hindered performance assessments
- Inability to track common downtime causes & conducting SPC analysis on package weights
- Unable to compare operational performance against internal goals and industry standards

SOLUTIONS

ITHENA implemented **iSERV** - our leading smart service solution enabling the customer to be proactive in visualization and eventually tracking the performance of their assets:

1. **Performance Monitoring**
   Conducting trend analysis and comparing various operational & process parameters to identify patterns, anomalies, and areas for improvement
2. **Predictive Maintenance**
   Remote monitoring, dashboards, and AI-ML based alerts and alarms to enable quick downtime turnarounds
3. **Enhanced Overall Equipment Efficiency**
   Real-time machine analytics and seamless ERP integration for precise OEE tracking and production planning
4. **Quality & Compliance Monitoring**
   Statistical process control (SPC) to monitor production consistency and quality metrics against the benchmarks
5. **Best Practice Implementation**
   Root-cause analysis helped to establish best -practices for improved shop floor processes

BENEFITS

- **17%** — **Increase** in equipment uptime
- **25%** — **Decrease** in quality concern
- **21%** — **Faster** order dispatch
- **27%** — **Increase** in revenue per additional sales

ithena

marketing@ithena.ai

www.ithena.ai

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