

CASE STUDY

Enhancing Planning and Scheduling for a Defense Manufacturing Client in the US

Client Profile

A leading US-based defense manufacturer specializing in the design, development, and production of advanced weapon systems, missile parts, and ammunition.



Advance Planning Solution revolutionized the client's production operations by **digitizing and streamlining planning and scheduling, enhancing efficiency, optimizing resource utilization, and enabling faster delivery.**

CHALLENGES

The client struggled with:

- Limited visibility in production scheduling causing frequent delays
- Inefficient planning and resource allocation resulting in high lead times
- Production bottlenecks leading to machine underutilization

SOLUTIONS

ITHENA implemented iPLAN Solution, powered by Ortems to address the client's issues:

1

Real-Time Production Visibility

Integrated Ortems with existing systems for seamless data flow and schedule tracking

2

Optimized Resource Utilization

Configured advanced scheduling algorithms to minimize idle time and maximize machine efficiency

3

Predictive Maintenance Scheduling

Enabled proactive maintenance to prevent unexpected failures and respond quickly to order changes

4

Improved Supply Chain Coordination

Provided just-in-time inventory management and improved material flow

5

Enhanced Compliance & Quality

Automated tracking for audits, quality control, and regulatory adherence

BENEFITS

27%

Reduction in
lead time

29%

Decrease in
downtime

4x

Faster
Delivery



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