

# Real-time Asset Monitoring and Scheduling

## 1 PROBLEM

For a leading aerospace supplier, operational challenges such as poor worker performance, low plant asset efficiency, and inadequate constraint visibility and resolution were resulting in missed deliveries and excessive inventory.

## 2 CHALLENGE

How to transform manufacturing operations and processes across the plant to enhance constraint visibility, optimise throughput and efficiency and ensure on-time deliveries.

## 3 SOLUTION

- Establish a Smart Factory environment by:
  - Integrating supplier systems
  - Adding sensors to monitor assets
  - Installing a passive RFID system
- Develop a dynamic scheduling tool to monitor and optimize personnel assignments, equipment utilization, inventory tracking and constraint status.

## Value

**15-20%**

Work-In-Progress Inventory Reduction

**12%** Throughput Increase

**\$11.6M**

in Annual Savings to date

## Benefits

- Improved Direct Labor Efficiency
- Automated and Real-Time KPIs for Supervisors
- Improved Asset Utilization