

## Aerospace & Defense Case Study:

**How FalconPCS is fueling an Aviation & Defense company to boost their productivity while reducing labor costs?**

Customer:	Industry:	Business	Headquarters:
#####	Aerospace and Defense	Manufacturing	#####
<b>Products:</b>			
<b>FalconPCS</b> <b>Production Control System (FalconSFT + FalconWMS)</b>			

### About:

“#####” is an **Aerospace and Defense (A&D)** Division of ##### is a CEMILAC approved organization for "Manufacturing, development of aircraft components and wire harnessing systems for airborne applications, Test Rigs and Fabrication of Aircraft Looms”.

### Business Situation:

**Customer** has a state of art aircraft component manufacturing unit in #####. Customer had been initially using its JD Edwards ERP system to manage its shop floor operations, relying on 100% manual data input and a **paper-based routing processes**. Also, Visibility on the shop floor activities was limited with several tools being used to capture and consolidate data to get the correct picture.

Therefore, Customer identified that it’s time to restructure their complete processes and implement a production control system with objective of **streamlining its shop floor process**, thereby enhancing cost efficiencies, **boosting productivity** and **maximizing production**.

### Key Challenges

Prior to implementing **FalconPCS**, Customer has faced with key challenges including

- **Production Orders Inaccuracy**
- **Erroneous Routing Processes**
- **Poor Workstation and Operator Performance**
- **Shop Floor Wastages**
- **Inaccurate Data Collection**
- **Obsolete Production Mechanisms**
- **Unavailability of real time data**
- **Labor idle times**

## The Solution

To effectively manage the execution of orders in multiple production lines and sales channels, along with its finished goods and spare parts inventories, customer required a sophisticated Production Control System with **aerospace grade standards** to manage such issues in a systematic manner, thereby **reducing manual interventions and increasing workstations productivity**.

Following a comprehensive review of five possible vendors, customer selected Inventrax due to its **blend of rich functionality and ease of use solutions** to meet their business requirements.

## Solution Provided:

Being a **pioneer of supply chain operational technologies**, Inventrax with its core SCM expertise and innovation, has implemented a robust **Production Control System (FalconPCS)** as a complete end to end traceability suite with its **Shop Floor Tracker** coupled with **Warehouse Management System** using adaptive multi-platform technology to delivery optimum production capability and to meet the rising business demand.

- **Centralized System handling multiple production lines and workstations**
- **Adaptable workflow mechanism built for continuous process improvements**
- **Tightly coupled integration with multiple execution systems**
- **Dynamically managed production, storage, and distribution networks**

## Benefits Delivered:

By streamlining and future-proofing the operation, Inventrax has delivered mission critical time and cost saving benefits to the customer with

- **Lean Inventory management**
- **Improved order fulfillment, accuracy and speed**
- **100% inward quality control as per Aerospace standards**
- **Efficient quarantine mechanism for rejected and scrapped material**
- **Improved quality kitting at store level before issuing to production**
- **Effective management and real-time visibility of shop floor activities**
- **Increased yield along with product quality**
- **Eliminate wastages throughout production, checks for – machine, material, worker, tool availability**
- **Paperless shop floor and material dispatch management**
- **Reduced labor Idle times and increased productivity**

### Note:

DUE TO CONFIDENTIALITY AGREEMENT WITH THE CUSTOMER, WE ARE UNABLE TO DISCLOSE THEIR CONTACT INFORMATION

**Testimonial:**

*I would recommend Inventrax to any Manufacturing company, because their PCS system has been consistently reliable with our critical production lines and high valued inventory. It has improved our productivity across the entire operations.*

**-XXXXXXX, Operations Manager, #####.**

*We had completely scraped out our JDE – ERP, as FalconPCS is delivering hassle free mechanisms to manage and execute our assembly lines with minimized workstation lags and production overheads.*

**- XXXXXXX, Chief of Operations, #####**