



We simplify
the complex.

incora.com

Case Study

Kitting Solutions

Helping A Large Aircraft Engine Manufacturer Streamline C-Class Hardware Distribution

Business Challenge

A large aircraft engine manufacturer was relying on its historical system for distributing C-class hardware.

In order to ensure parts were available at the point of use, a series of Direct Line Feed Carousels were introduced across their production facilities. However, the solution was not designed to be a control measure for the parts.

Through continuous improvement projects, it was clear that a more advanced delivery solution for C-class hardware was required to meet the increased production volumes and aerospace quality requirements.



Incora Solution

Incora™ implemented a fully customized kitting solution tailored to the customer's specifications. Each kit provided a consolidated quantity of material for a specific part of the engine build and was delivered directly to the corresponding build area.

The kits were further designed to be:

- ✓ Fully traceable with an audit trail for all parts and kits
- ✓ User-friendly, with layouts sequenced to meet build requirements while improving efficiency and build productivity
- ✓ Tamper-proof to ensure delivery of exact quantities needed
- ✓ Cost saving by reducing total acquisition cost through competitive part pricing
- ✓ Environmentally friendly with returnable and reusable packaging

Results

Operators had easy access to everything needed for part build, streamlining operations in several ways and delivering numerous additional benefits, including:

- ✓ **33% reduction in engine build time:**
The kits reduced their engine build takt time from 60 to 40 hours
- ✓ **100% of required product available:**
All necessary parts were guaranteed to be in kit
- ✓ **Improved shop floor capacity:**
The kitting solution allowed the customer to remove the large carousels and redesign their production line
- ✓ **Reduction in Foreign Object Debris (FOD):**
Missing parts were easily identified and reported
- ✓ **Simple implementation:**
The solution was designed so it could be easily implemented across global facilities
- ✓ **Reduced inventory:**
Achieved through line feed solutions and improved capacity planning

Incora now supplies the customer with 2,000+ kits every week across multiple global locations.

Key Successes



Learn more about how we've helped other businesses like yours at incora.com.

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