

Customer reference

The Airbus logo, consisting of the word 'AIRBUS' in a bold, blue, sans-serif font, centered over a background image of an Ariane 6 rocket launch. The rocket is white with various logos including ESA, ArianeSpace, and Ariane 6. The background shows the Earth's horizon from space.

AIRBUS

*“The tools provided by Polaris have contributed to our actions to bring more structure to our production. They have enabled us to **reduce the lead time**, collaborate more efficiently, **respond quickly to emerging issues**, automate the coordination of quality management, and optimize processes.” - Oriol Montana Torelles (AIT Manager at Airbus Netherlands B.V.)*

INTELLIGENT AUTOMATED PRODUCTION PLANNING & CONTROL

Initial Situation

Airbus Netherlands specializes in high-tech products and services for the international aerospace industry. Its portfolio includes solar arrays, launcher structures and optical communication, serving governmental and commercial customers. In 2018, Airbus Netherlands initiated the production of the engine thrust frames for the lower and upper propulsion module of the Ariane 6 launcher; the Vulcain Aft Bay (VUAB) and the Vinci Thrust Frame (VITF). As part of the envisioned optimized, industrialized production, the following opportunities were identified:

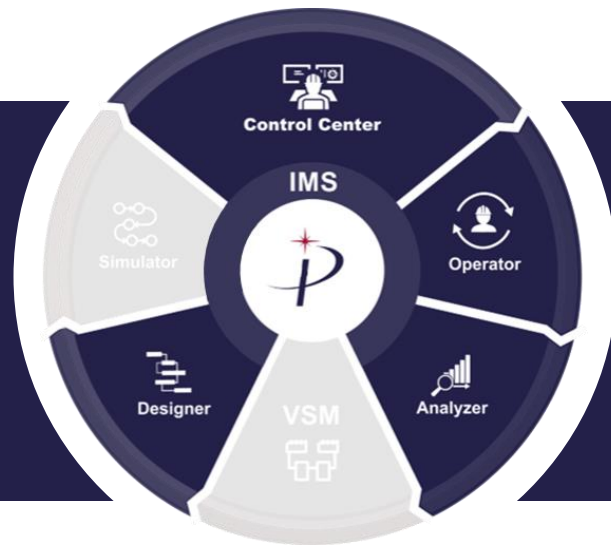
- Paperless documentation
- Increased efficiency of quality control processes
- Limited automation in resource allocation
- Centralized overview of project status
- Short and efficient handover times between production stations
- Enhanced utilization of resources

Requirements

- Digital documentation management
- Process-based continuous quality assurance
- Lead time reduction
- Automated order planning
- Optimized resource allocation

Implementation

The Polaris tools Optimizer, Operator and Analyzer were introduced to meet the requirements. For the past seven years, Polaris has supported the production of the VUAB and the VITF for the Ariane 6, **achieving outstanding results!**



Results

Through the use of Polaris, for the production of the launcher structures Airbus Netherlands was able to achieve:

- Significant reduction of waiting times
(through quick response to unplanned changes)
- Automated coordination of quality management
- Optimized scheduling of orders
- Significant shortening of handover times
- Reduction of idle times for machines
- Live status of orders, accessible at any time
- Digitization of documentation management
- Quality improvement through error prevention

Contact

iFAKT GmbH

Stadionstr. 66

70771 Echterdingen

Tel.:

E-Mail:

Web:

+49 (0) 711 674 00 514

sales@ifakt.de

www.ifakt.com

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