



Engine component lifecycle support: Delivering inventory solutions across production and maintenance, repair and overhaul

A Boeing and ITP Aero Case Study

Company overview

ITP Aero is a world leading aircraft engine and component company, with facilities in Spain, the UK, Mexico, Malta and India. ITP Aero's purpose is to develop the technology to drive change in the aerospace sector, towards more sustainable mobility; they do this with the development of proprietary technology as their main competitive advantage. More than half of the world's double aisle aircraft are powered by ITP Aero turbines. The company is a founding member of the EU Clean Aviation programme and the first Spanish aerospace company to commit to achieving net zero carbon emissions by 2050, in line with the United Nations Race to Zero initiative.

In commercial aviation, ITP Aero is a Tier 1 supplier to the main aircraft engine manufacturers and is responsible for the design, development, production and assembly of engine subsystems and components, including the low-pressure turbine (LPT).

In the defence sector, ITP Aero is an Original Equipment Manufacturer (OEM), through its participation in the main European defence consortia, in the design, development, production, certification, in service support and maintenance of the EJ2000, TP400 and MTR390-E engines.

ITP Aero is also the Spanish leading company of the European Next Generation Fighter (NGF) engine pillar, as part of the Future Combat Air System (FCAS) programme.

The challenge

ITP Aero operates across the aerospace and defense sector and were previously working with GE as a distribution partner for their inventory. GE awarded Boeing Distribution, Inc. (formally Aviall), the exclusive distributor agreement for GE F404, GE T700, GE CT7-9C, so ITP began working directly with Boeing.

This changeover occurred in 2019 when Boeing began to support their facilities globally, specially focusing our support at their locations in Malta and Mexico from a commercial perspective; and Spain from both a commercial and defense perspective. The company caters for different engine types at each location, with Spain being a strategic focus supporting in country requirements for their customers and the Spanish Aerospace and Defense sector

In 2022 ITP Aero became an independent company, thus allowing the company the flexibility to support a range of manufacturers across the industry.

Our solution

At the commencement of this partnership, the respective teams spent time to ensure a smooth distribution transition and effective collaboration as we moved forward.

The partnership has grown throughout the pandemic and beyond, due to the effective communication and openness we share with the company. In 2021 we saw an increase in demand for parts and therefore to effectively support ITP Aero we moved the distribution and provided a dedicated resource to support their requirements. This includes regular reporting including lead times and order status, and licensing status for ITAR compliance. We have also adopted forecast and planning capabilities to support ITP Aero in enhancing their inventory management.

In a collaborative approach to support the needs of our customer, Boeing Distribution Services provides the Madrid maintenance facility with engineering parts, tools, Honeywell™ Proprietary Parts, chemical solutions and hardware. In support of this we are also providing Engineering and Technical Services to aid both their hardware and chemicals sourcing. For a production perspective we are providing Honeywell proprietary parts and other hardware to their facilities in Bilbao, Spain; Mexico and India.

How we helped

When working with Boeing, ITP Aero has access to a comprehensive portfolio. As such we are able to provide the company with a wide offering of products and services from aircraft engine parts; through to consumables.

Through our relationship and the strength of our portfolio we have the flexibility to adapt to their current and future engine requirements. This eliminates the need for multiple suppliers providing different parts across their worldwide facilities, thus creating a more consolidated approach to their inventory order processing.

Our global network provides us the flexibility to support ITP Aero's different locations in the European Union, Asian sub-continent or Latin America.

Stock availability, effective sourcing, value add services and reporting combined with a well-established relationship have all contributed to Boeing being an operational solution partner for ITP Aero. The company is also a Honeywell sub-contractor in Mexico, and with Boeing Distribution Service being a licensed provider of Honeywell™ Proprietary Parts we are able to provide a more single source solution for our customer.

Our commitment to ITP Aero is the result of our productivity, flexibility, planning and quality excellence.

Effective communication through detailed reports and end to end visibility of stock

Benefits

- Supply chain optimization
- Effective inventory management of quality parts and chemicals
- Forecast and provisioning - to ensure accurate stocking
- Effective communication through detailed reports and end-to-end visibility of stock
- Flexibility to adapt to changing needs and tailored to requirements

“Boeing has worked to improve communications with our operations by listening to the team and understanding what we need to support our production requirements and adapting to the requirements of our customers. The dedicated support enables increased accuracy of our inventory management. The open communication and trust we have with them allows us to work in partnership knowing they have ability to adapt to our needs across the aerospace and defense sector. In these challenging times with many difficulties to produce parts all across the industry, we need to continue working together in close collaboration to further enhance our delivery times in support of our customers.”

Juan Jose Fernandez-Lopez
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