

Case Study

From Time Consuming to Time Saving: How Aventus helped Airport Perishables Handling Streamline Cargo Operations at Heathrow Airport

Heathrow



At a Glance

Industry

Supply chain & logistics

Challenges

Lack of real-time data transparency for cargo tracking

Solution

End-to-end blockchain based ULD management solution that unlocks visibility and provides a single source of truth

Results

- 83% reduction in manual documentation
- 81% reduction in time between updates
- 90% reduction in communication and container error incidents
- 28% reduction in loading times
- 7% overall productivity gain

Traditional Aviation Cargo Management Doesn't Work

Airport Perishables Handling (APH), a cargo handling organisation at Heathrow Airport, struggled with data visibility and accuracy because of their reliance on legacy supply chain and logistics systems.

Existing technology organisation for cargo management has remained unchanged for over 50 years. Like others in the industry, APH's dependence on handwritten data records made transparency impossible. Tracking was slow, inefficient, and prone to human error because data recording for each piece of cargo was done manually.

Mistakes and the lack of speed and transparency often caused flight delays with time-consuming reconciliation – resulting in wasted costs and customer dissatisfaction.

In order to remain competitive in an increasingly challenging industry, APH needed data accessible in real time, both internally within APH as well as across partner organisations and stakeholders, to transport cargo more efficiently.

APH's goal was simple: speed up data recording times, reduce errors, and improve transparency between APH and its partners across the cargo management supply chain.





A New Standard for Operational Efficiency

Aventus partnered with APH to deliver a technology solution focused on four key areas to optimise aircraft cargo container tracking and improve APH's operational efficiency:

- Establish secure, transparent records for all organisations involved, update in real-time
- Reduce human error in data recording
- Improve location tracking without the need for additional infrastructure
- Improve user experience for ground handling staff to ensure they feel empowered and incentivised

Aventus' blockchain-as-a-service platform offers the necessary infrastructure to capture sensitive data efficiently and accurately, post that data to a secure, immutable ledger with real-time visibility, and automate operational workflows within the aviation industry.

Within four weeks of implementing the Aventus solution, APH saw a significant increase in efficiency. Data seamlessly and securely flowed between organisations and APH could rely on it being an accurate, single source of truth.

Results

The Aventus solution decreased cargo transport time drastically, going from 4 hours down to 30 minutes – **8x faster** than before.

90%

Reduction in communication and container error incidents

81%

Reduction in time between updates

7%

Overall productivity gain

“

Aventus' technology is fast and responsive, which is key in our busy airport environment. We've seen huge improvements in productivity. The app is more than a tool – it's reshaped how we manage and track our aircraft containers, and the Aventus team's support and expertise in meeting our needs has been outstanding.

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Michelle Roosevelt
Director, Airport Perishables Handling

Ready to transform your supply chain with Aventus?

Contact us now

