



## PlantQuest Case Study

# Bringing Visual Context to Asset Workflows in Aseptic Pharma Facility

Integrated Aseptic Production and Packaging Site - Puurs, Belgium

## Site Challenge

- Inefficient tracking of critical assets often led to avoidable production downtime due to “lost” or “misplaced” assets.
- Little real-time visibility into asset movements across the expansive site hampered quick decision-making during operations.
- Different teams (EHS, Calibration, Production) needed tailored tracking solutions to support their unique workflows.

## Solution

- A unified, map-based interface showing the locations in real time of all critical mobile equipment across the facility.
- Configurable asset alerts enabling proactive management of equipment.
- A unified data platform that logs asset movements and usage, providing valuable analytics for strategic decision-making.

## Outcome

- The site has achieved virtually zero wasted time in locating equipment. Staff no longer spend hours searching for missing totes or waiting on shared assets.
- Estimated savings of over €2 million er year (excluding the costs associated with GMP deviations) have been realised through the prevention of production stoppages, repeated actions such as equipment sterilisation due to exceed cleaning cycles and additional production output.
- Audit preparation is now simpler – reducing the need to search and locate assets ahead of time.

## From Site Success to Network Standard

Following the success of the initial deployment at the Irish solid-dose facility — which delivered over €1.1 million in efficiency gains within its first year — the organisation expanded PlantQuest across its wider production network.

Today, multiple global sites across Europe and North America now rely on PlantQuest's mobile asset tracking and mapping platform to bring clarity, consistency, and control to operations. Each facility, regardless of layout or process type, now has access to a unified spatial environment that provides real-time visibility of mobile assets, batches, and workflows. Whether managing calibration standards in a biologics lab, or coordinating IBC movements in a solid-dose plant, the same intuitive platform provides site teams with instant, actionable insights.

## Tracking a Wider Range of Assets

The solution has evolved to manage and track thousands of critical assets beyond production equipment.

Sites now use PlantQuest to track and visualise:

- Production assets such as IBCs, totes, vessels, and portable instruments.
- Calibration standards and test devices, ensuring traceability and eliminating GMP deviations linked to misplaced tools.
- Lifting and safety equipment maintained under statutory inspection, ensuring compliance and reducing downtime.

By consolidating the tracking and visualisation of these assets into a single system, PlantQuest delivers a comprehensive view of operational readiness, enabling proactive maintenance, audit compliance, and efficient resource planning.

## Operational Impact & Outcomes

The network-wide deployment has delivered measurable gains across safety, compliance, and production efficiency:

- **Production Optimisation:** Reduced waiting times and improved coordination of mobile assets across departments.
- **Quality & Compliance:** Real-time asset data and alerts halved cleaning and hold-time deviations.
- **Asset Accountability:** Instant location tracking of calibration and safety assets removed audit findings tied to missing tools.
- **Scalable Standardisation:** One configurable platform now underpins asset visibility across multiple global facilities.

Collectively, these deployments have driven over €6 million in annual efficiency gains across the organisation's global manufacturing network, while establishing a scalable foundation for enterprise-wide operational excellence.