



Case Study

Connecting Mobile Assets on the Factory Floor With MES Batch Data and CMMS Asset Data

Biopharma Facility

Site Challenge

- The sites existing RFID solution displayed data in tabular form and overlaid across 30 complex engineering drawings.
- The system did not alert when assets moved or crossed room or production zone boundaries.
- There was no simple way to review where a given asset had been over the past hours or days.
- The site wanted to create a live link between mobile assets, its PAS-X MES, and its SAP CMMS.

Solution

- Deployment of PlantQuest OneView integrated with the site's RFID solution, combining it with batch data from its MES and asset data from its CMMS
- All mobile assets are displayed on 6 interactive maps (one for each level).
- Configurable geofences around defined areas raising alerts when assets / batches enter or leave.
- Ability to visually map historical asset locations.
- Intuitive way-finding directions to assets.

Outcome

- Visualising over 1,500 mobile assets, users can now search for each asset to view its current location alongside MES batch and CMMS asset data removing the need to search across 3 disparate systems.
- Precise location data allows team to identify bottlenecks ahead of time, through the monitoring of asset/batch movements.
- By visualising asset movements and usage patterns, the site has gained insights into under utilised and shared assets.

Building on Success — Advancing Digital Integration Across the Facility

Following the successful deployments regarding to the integration of the sites CMMS with PlantQuest, and the mapping of its fire & gas system, the biopharma facility has continued to expand its use of PlantQuest to connect people, assets, and systems across the site.

The recent implementation of the RFID integration represents the next stage of this digital journey — creating live links between mobile assets, the site's PAS-X MES, and SAP CMMS. This integration allows users to instantly visualise asset locations, batch associations, and maintenance data in a single, interactive view.

PlantQuest now underpins several key site initiatives:

- Alarm Response and ERT Operations – Visualising the sites fire & gas system using it's CAD drawings, PlantQuest has reduced alarm response times by over 60%, eliminated unnecessary evacuations , improving business continuity.
- Mobile Asset Tracking – PlantQuest is being used to visualise the location of mobile assets across the site, from calibration standards to production equipment & batches and lifting equipment.
- Facility and Asset Visualisation – Integration with CMMS, EHS, and production systems has created a single, real-time view of assets, alarms, and workflows, improving coordination across maintenance and operations.

A Unified Platform for Operational Excellence

By connecting these deployments into a single visual environment, the facility now benefits from an integrated digital foundation that:

- Delivers a complete view of safety, maintenance, and production operations.
- Enhances workforce efficiency and cross-department collaboration.
- Reduces onboarding times and safeguards asset knowledge.
- Created a connection between mobile assets in the field, to asset and work order data in the CMMS and batch records in their MES.
- Establishes a scalable model for standardisation across the wider organisation.

PlantQuest continues to work closely with the client's global engineering and asset management teams to expand this proven framework across additional sites — building a connected, visual, and data-driven approach to asset management, safety, and business continuity.

