



Case Study

Clarity & Context - Bringing SAP PM Data to Life with Asset & Facility Mapping

Biopharma Facility - Ireland

Site Challenge

- Senior leadership wanted a way to record critical site location information to protect against worker turnover.
- The site needed a way to give visual context to their CMMS, capturing the location of assets and work orders to expedite planning and execution.

Solution

- Deployment of PlantQuest OneView - an asset mapping platform integrated with the site's CMMS, SAP PM.
- Added a visual layer to SAP, providing a visual oversight of all assets and work orders across the site.
- Using NavVis Technology, PlantQuest scanned over 40,000 m² (430,000 ft²) of plant rooms and technical spaces, delivering 360° photogrammetry and LiDAR scans.
- Selected asset groups have been given a precise location in both 2D and 3D environments.
- PlantQuest Capture enables fast, accurate data collection directly in the field.

Outcome

- The visual plant view gives every worker access to asset location and way-finding information, removing the reliance on specific workers and contractors.
- Planners and technicians can now efficiently plan, scope, and execute maintenance work.
- Asset data can now be captured and verified quickly and accurately, with reports generated for CMMS admins.

Project Timeline

The asset mapping solution and SAP PM integration were fully deployed within five weeks of project kick-off. Following implementation, asset location capture and data verification were completed over a couple months through a joint effort between PlantQuest's partners and the client's asset management team. The rollout was structured by priority, with critical and parent assets mapped and verified first, ensuring essential maintenance and operational data were available from the outset.

Building on Success — Expanding PlantQuest Across the Facility and Organisation

Following the successful deployment of the CMMS integrated asset mapping solution, the biopharma facility has continued to expand its use of PlantQuest to drive operational efficiency, safety, and digital transformation.

Across the site, multiple use cases have been rolled into the same unified visual platform — connecting teams, systems, and workflows into one consistent spatial environment.

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.

