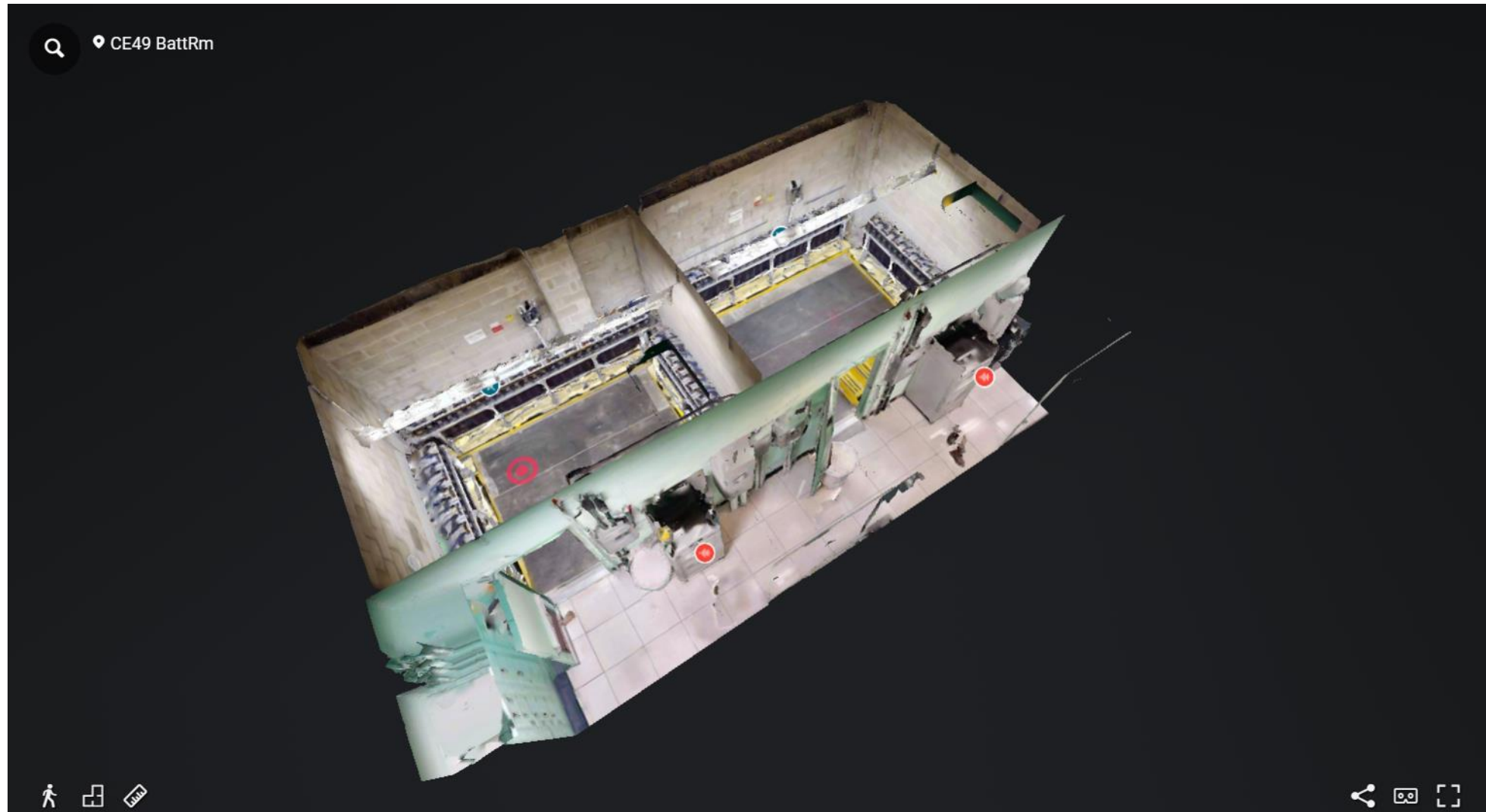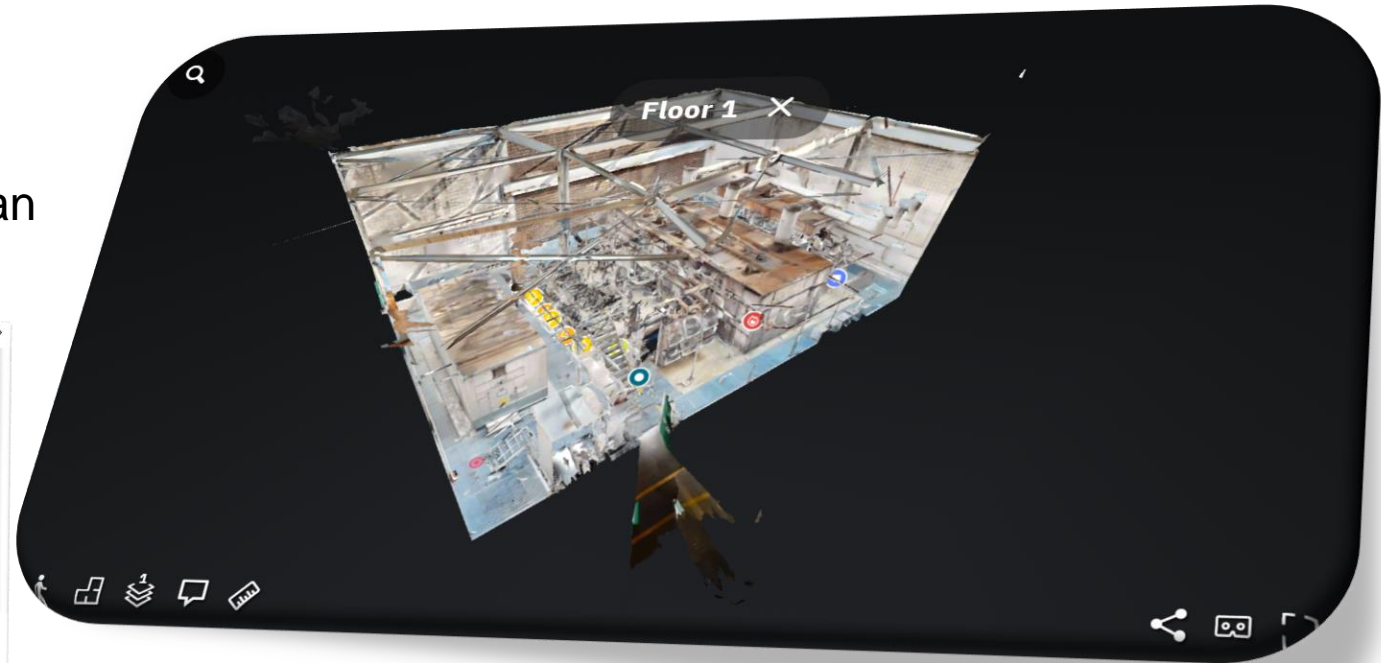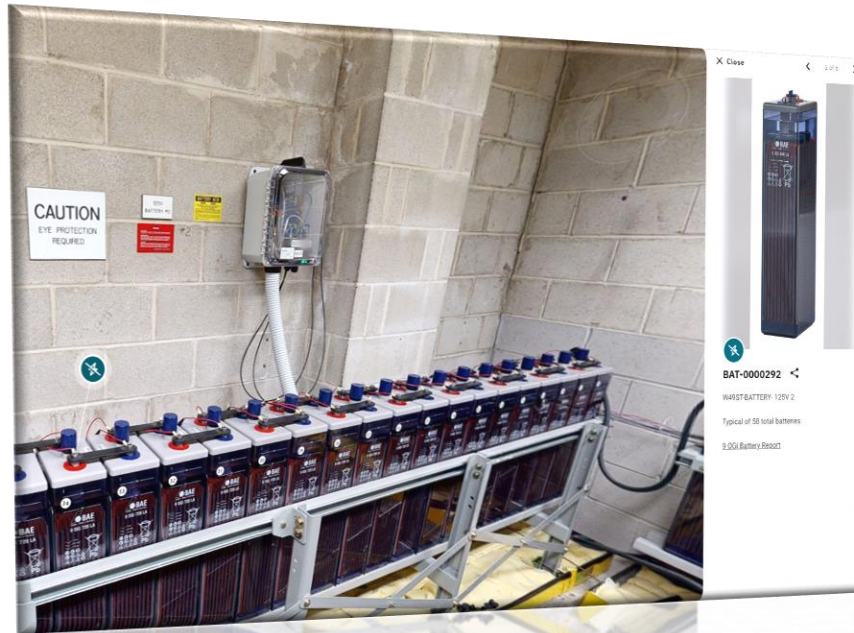# Creating a Digital Twin at Con Ed

Digital Twins and Their Importance

Virtual space review can aid in:

- Work Planning
- Safety Task Analysis
- Contractor Reviews
- Training

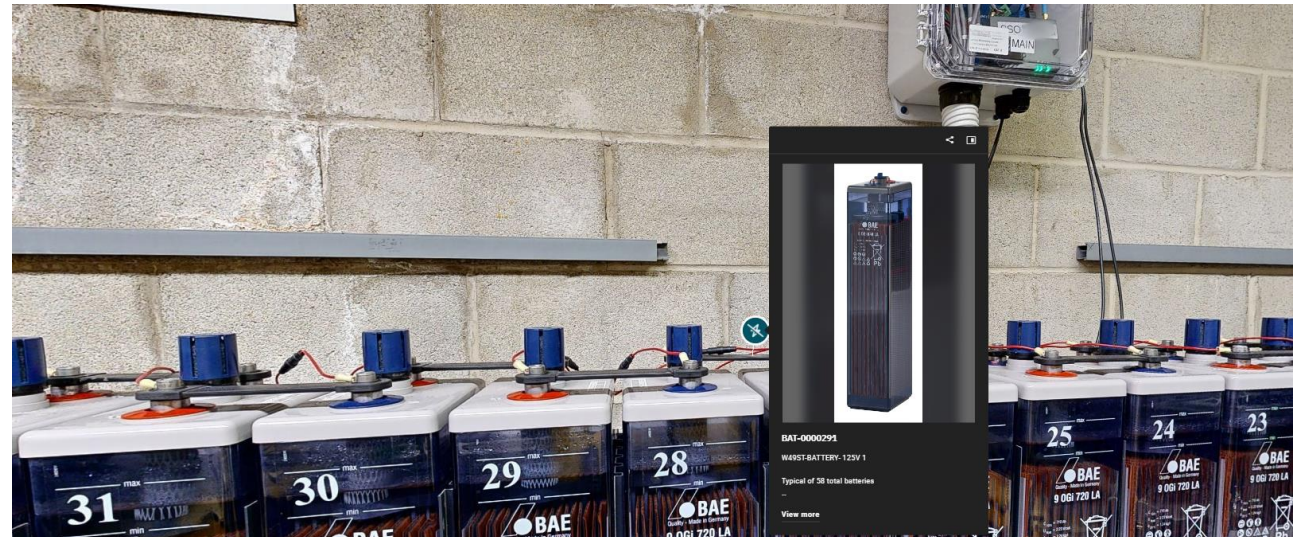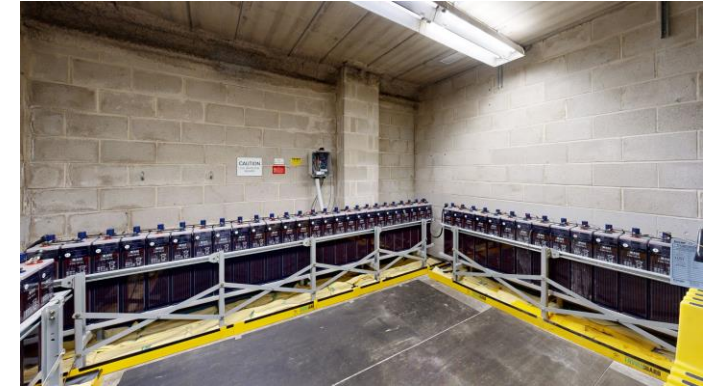See assets in real world scenarios

View asset information directly within the scan

Matterport – 3D Scanning

POC Problem Statement Challenges

- Maximo Integration for Digital Twins

- Identify hazards associated to jobs in pre-onsite job briefing discussions.

- Initial scoping of PM/CM jobs followed by Field Presence

- Risk assessment (Safety/Equipment Reliability/Environment)

- Heightened Situational Awareness

Digital Twin Tools

Digital Twins and Maximo

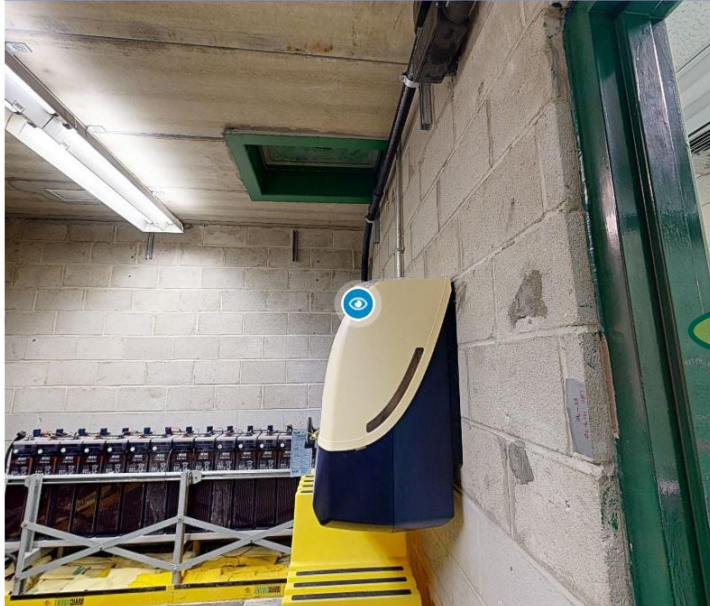# Digital Twins and Maximo

Matterport – 3D Scanning

POC Problem Statement Solutions

- Maximo Integration for Digital Twins
- Increased visibility over work bundling opportunities
- Train new personnel on substations (Virtual Tours)
- Identify hazards associated to jobs in pre-onsite job briefing discussions.
- Utilize wearables to see asset tags and Aveva Pi real-time data
- Initial scoping of PM/CM jobs followed by Field Presence
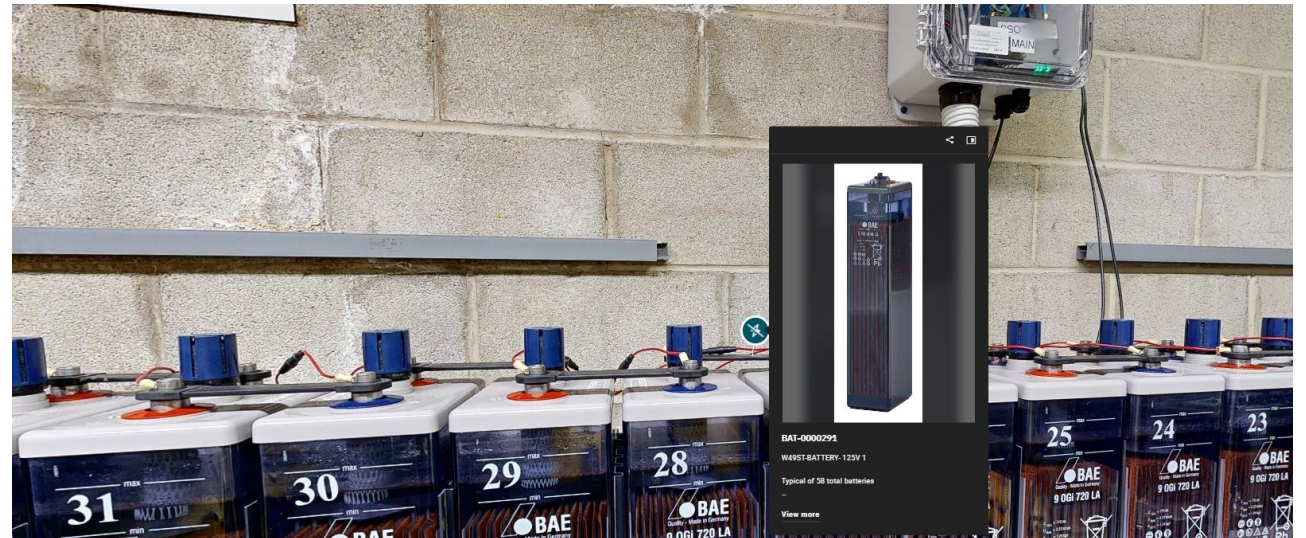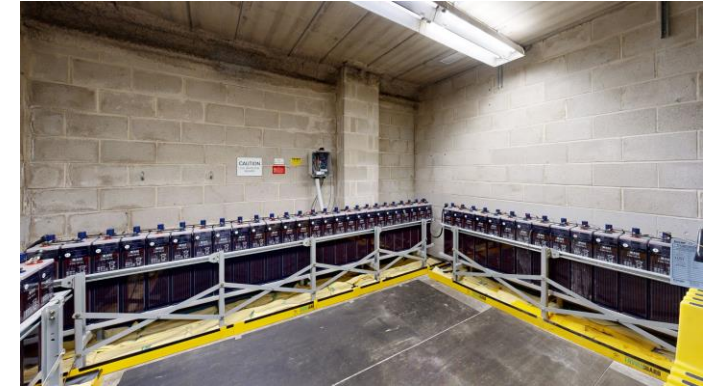- Operational Excellence in Operating Orders
- Risk assessment (Safety/Equipment Reliability/Environment)
- Heightened Situational Awareness
- Historical Reference
- New station design efforts referencing with existing as-builts
- 3D CAD and BIM extraction for Design Engineering

Questions

conEdison