

## ESTABLISHING A SINGLE SOURCE OF TRUTH USING 3D DATA

### Construction Verification

**Challenge:**

1. Establishing demonstrable evidence that all work performed was completed per specifications.

**Solution:**

1. Eye-bot collected and processed 3D as-built data; verified by licensed land surveyor.
2. Data was ingested into the VEERUM application within 48 hours; as-built data was compared to a design model and any and all deviations were illustrated (see below)
3. The 3D data generated by Eye-bot has helped to maintain a strategic perspective of the existing site condition and progress, giving a common truth between the client and the EPC contractors.

Benefits of Construction Verification

Change Order Management

Timely Conflict Resolution

Definitive Outcome



*An accurate presentation of the existing site condition and the as-built state against the design 3D model of the facility enables us to analyze the deviations that have occurred in the course of the installation and to make informed, evidence-based decisions. The high-fidelity 3D reality capture blended with the 3D design model data becomes a foundation for the digital twin of the facility and unlocks new ways of working. For example, new workflows for managing change and executing plant modifications, that otherwise would not have been feasible.*

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Simultaneous visualization of as-built conditions vs. design.

