

3D Modeling to obtain quick factory approval at new location



Key Points

- Entire Project completed in 1.5 months
- Awarded 5 more similar projects by Client

Client's Challenge

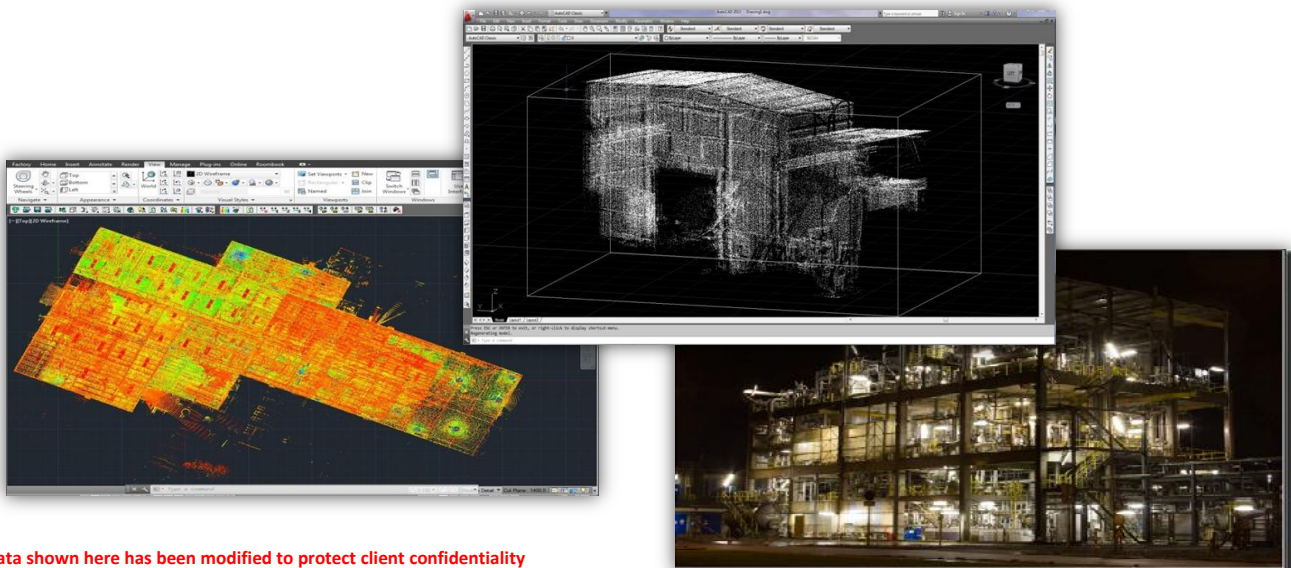
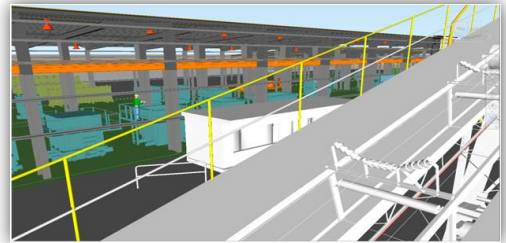
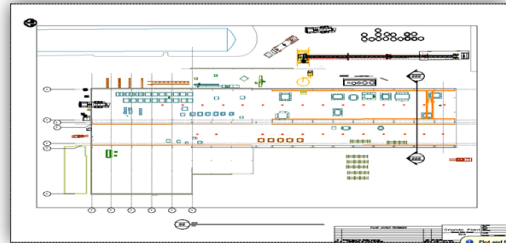
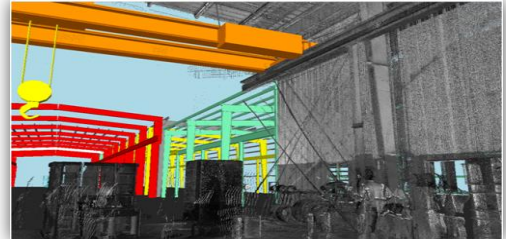
- Historical Blueprints and data was obsolete
- Cost for Survey & developing As-Built drawing using traditional methods was high & time consuming
- Unavailability of As-Built drawing for factory approval

PMI's Approach

- Scanned entire building and equipments using Lieca Scanner
- Converted Cloudworx data in workable Point Cloud data using Cyclone
- Converted Point Cloud data (.imp) into 3D Model (.dwg) using AutoCAD

Solution

- Point Cloud Method - Economic & Fast**
- Used highly accurate scanners & specialized software to create point cloud file
- Generated parametric 3D Model to extract BOM
- Utilized this 3D model to create As-Built drawings and BIM



*Data shown here has been modified to protect client confidentiality