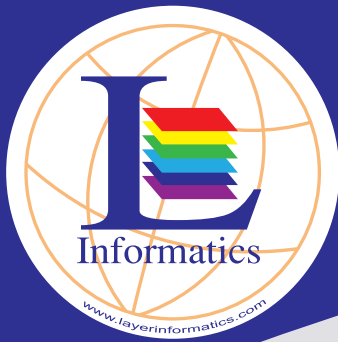




3D MODELING

A Case Study



CHALLENGES:

- Modeling the Twisted pipes and cable tray was complicated
- Modeling the power station was very challenging and it was completed by creating the profiles.

INTRODUCTION:

The objective of the project was to generate 3D Model Using Laser Scanner Point Cloud Data. The 3D model is to be generated for the Documentation and Presentation purpose.

KEY ASPECTS:

- The Building is to Surveyed and Documented.
- 3D Model of Structures, pipes, equipment, Railings, stairs, supports, cable trays, stages, floor.

METHODOLOGY:

- After the Building is scanned, The Registered Point cloud data is given by Client in pts \ e57 \ las \ Imp \ rcs \ rcv format.
 - Then the raw point cloud data is Pre-Processed using Registration software.
 - The final Registered Point Cloud Data will be the Input Data for 3D modeling.
 - Using the Registered Point Cloud Data the Database is created.
 - Then the 3D model is generated from the INPUT DATA using AutoCAD Software.
 - As per the client requirement, the detailed 3D model will be generated like Process plants, Architectural models, Structural buildings.
- The detailed includes Structures, pipes, equipment, Railings, stairs, supports, cable trays, stages, floor.

TECHNOLOGY:

- AutoCAD
- Leica Cyclone
- Navisworks

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3D MODELING

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TESTIMONIALS:

- I've been very pleased with your firm each time we've done business.

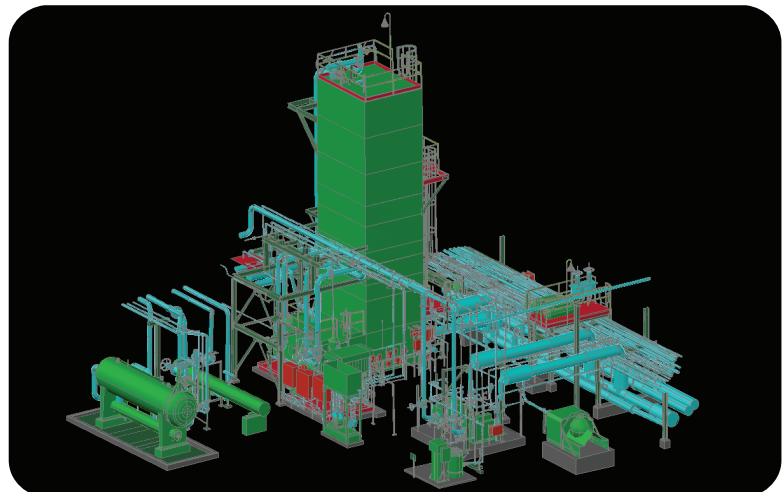
DELIVERABLES:

- A 3D Model of Process plants or Architectural models or Structural building in the .dwg \ .coe format.

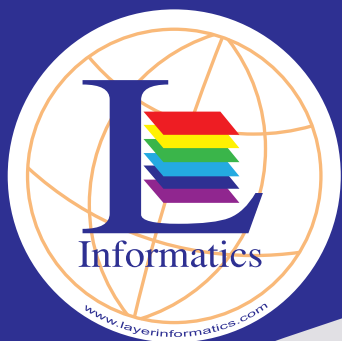
APPLICATION:

- The ability for embedding future data based upon renovation or equipment replacement
- Provide the owner with an accurate model of building, equipment, and spaces within a building to create possible synergies
- Minimize building turnover information and required storage space for this information
- Better accommodate the owner's needs and wants to help foster a stronger relationship and promote repeat business

SCREEN SHOTS:

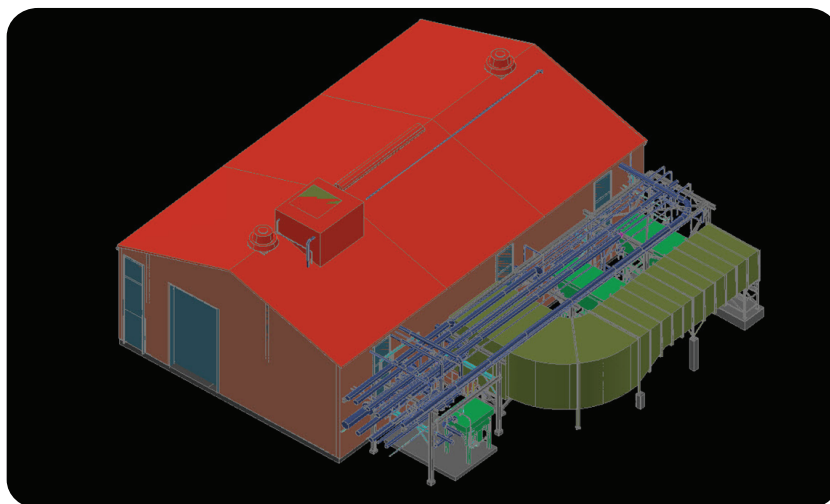


UK Office:
Edinburgh EH2 4AT,
Scotland, UK.

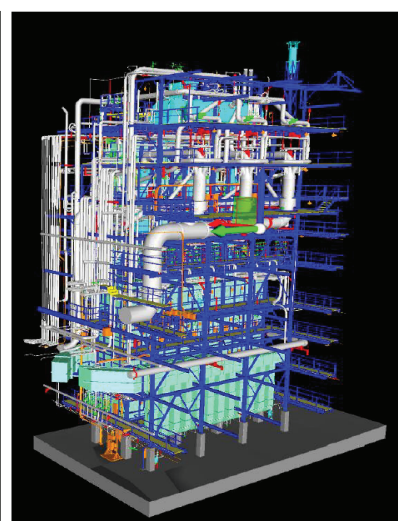
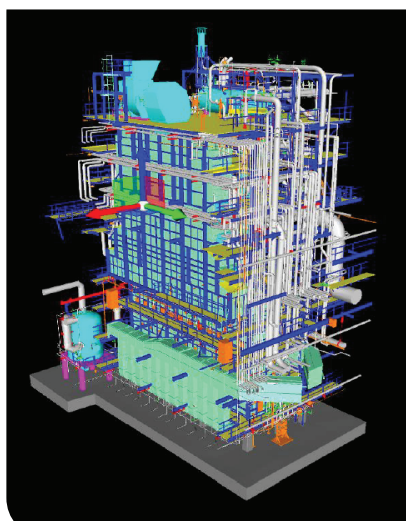


3D MODELING

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Power Plant Heater



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Scranton, PA 18505
Middle East Office:
Doha, Qatar.



Layer Informatics Pvt. Ltd.
Vision Through Mapping