

Delivering value with BIM: Modern Approach using Point Cloud to BIM

We help clients adopt to technologies
that make their business better!

Client Summary

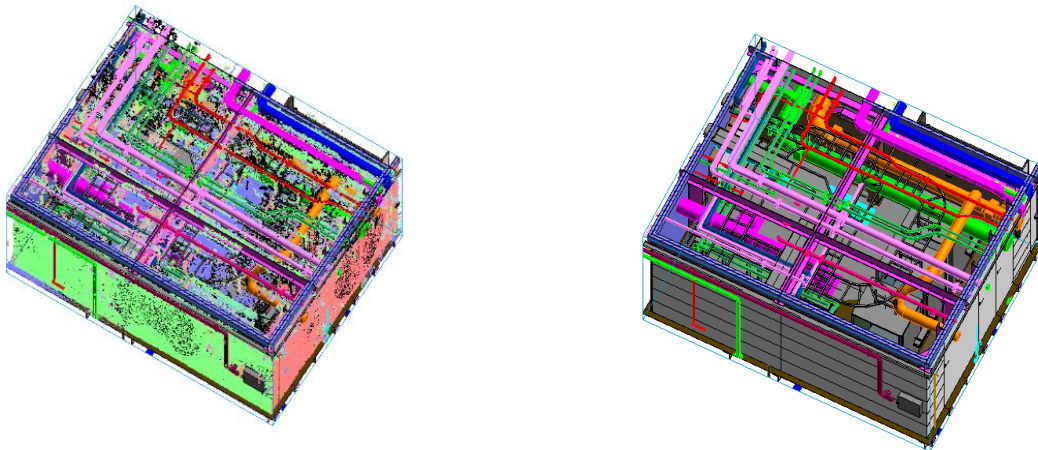
- Middle East based company headquartered in Dubai. The company provides property development across middle east and Europe.
- As of 2018, the company reported that as on 2018 annual turnover of AED nearly 1.9 Billion.

Executive Summary

This Project is for leading property development company in the middle east. The client offers residential, commercial and mixed-use projects across Dubai, Abu Dhabi, Qatar and the Kingdom of Saudi Arabia.

Business Challenge

- The current implemented the system is decade year old and no respective data is available to restructure the MEP and HVAC lines.
- The client was facing the issue in Electric points load barrier issue and sewage waterline issue with adding more structures to the existing building.
- Documentation of 'As built' complex structures that have changing structural requirements is crucial.
- Addressing these requirements not only becomes cost-effective, and time effective but also helps avoid any clashes or damage to the existing structural, architectural and MEP fit-outs in the building.
- Large FLS file format converted from the point cloud and a panoramic image of available structures and MEP has been provided.



Solution:

- SrinSoft has started the work by dividing teams to work in shifts so that the project gets processed 24x7
- Work Breakdown Structure has been defined by the BIM Manager to the respective team
- The team will analyze the respective task and execute the traces within Revit
- They would recreate the Revit model by comparing the respective columns and structures
- A model file was set up and modeling was done with LOD 500 standards as requested by the client
- Detailed architectural, structural and equipment spacing information was included
- The missing sections were recreated based on engineering assumptions
- Constant communication was set, and approvals were taken from the client for the restructured parts for which input data was not available.

Business Benefits:

- Additional floors, structures, and columns can be added and connected with MEP and HVAC structure.
- Detailed facilities management has been implemented and periodical maintenance has been scheduled to increase the building lifecycle.
- Information-rich intelligent BIM provided thorough documentation of the as-built structure.

To Know more about our IT Services and Solutions:

Reach us at +1-614-333-5277

Email- sales@srinsofttech.com

Web- <http://www.srinsofttech.com>