



IN9PLUS TECHNOLOGIES PRIVATE LIMITED

C O R P O R A T E P R O F I L E



Introduction

IN9PLUS was established by a team of professionals with experience in the industry of CAD Automation to provide services to the CAD industry



About Us



“ I am driven by the vision of revolutionizing design efficiency. Our mission goes beyond automating tasks; it's about empowering creativity, accelerating workflows, and unlocking the full potential of design teams. ”

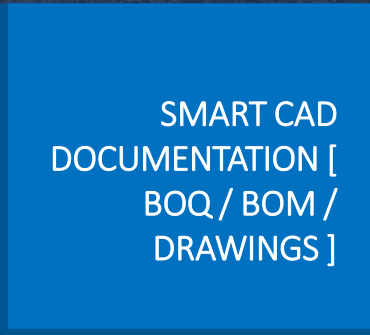
M S Parthiban

MD, Founder

More than 16 years of experience in CAD Industry with more than 100 + projects executed in Globe having strong experience in implementing technologies in the CAD industry Starting from Digital twin, Involved with multiple patented software helps to improvise the productivity.

Extensive experience in DIGITAL TWIN – PLUG-IN CREATION – AUTOMATION WITH ANY CAD PLATFORM

WHO ARE WE
addressing



OUR CUSTOMERS



Manufacturers



Owners & builders



Facility managers



Property managers



City Councils



Insurance and Legal entities



Our Capabilities

Industry Leaders

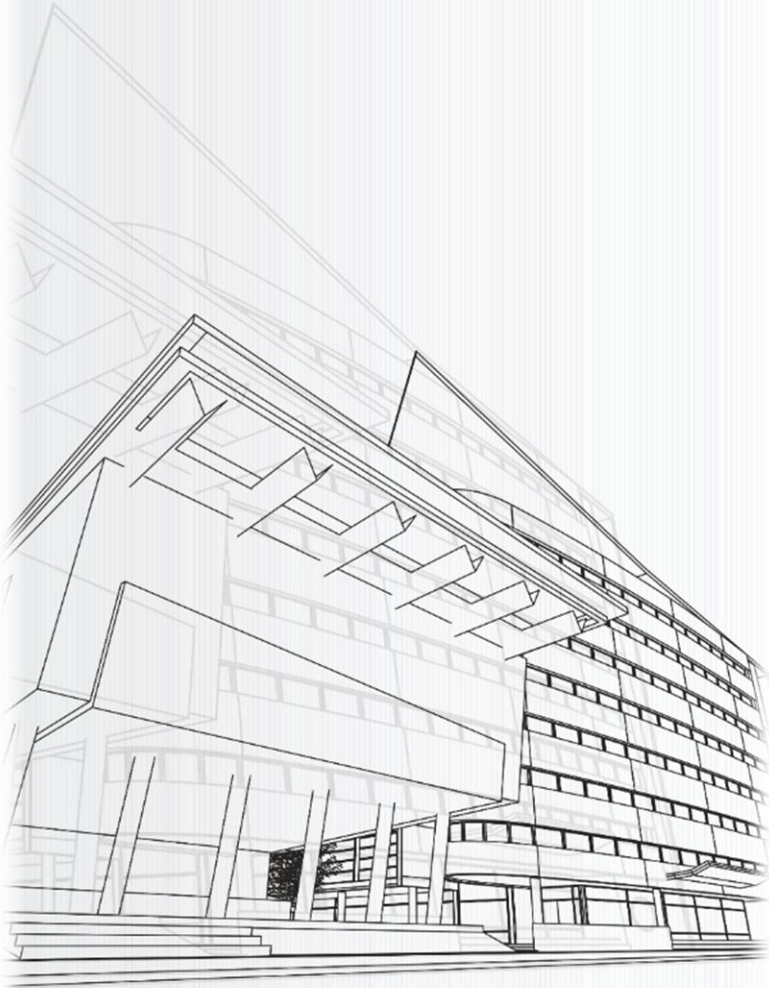
Leaders in CAD Management using Latest Technology.

Team

15+ CAD and Engineering professionals worked in various construction projects worldwide with more than 100+ large construction projects as experience from the management team.

Strength

Our strength lies in combining diverse ideas and technologies with a personalized, technical approach across a range of sectors.



Our Scope of Work Spans across these **BIM Services>>**

3D Parametric Modelling
3D Coordination
Quantity Takeoff
Construction Simulation
Construction Documentation
As-Built Model
BIM Execution Plan - BEP
BIM Auditing
Facility Management Solution



Virtual Design & Construction Process



BIM for Design



BIM for Construction



BIM for Facility Management and Operations



BIM Automation

Scan to BIM

The Overall Scope of the work is to provide the actual "As Exist" 3D Model based on point cloud data and imagery. The Model consists of Podium and 2 Towers (Residential Tower & Office Tower). All features are modelled in LOO 300. The objective of this project is to create an accurate current-condition ("As exists") record of the existing building configuration and locations of structural and architectural and other MEP systems within the AOI.

01

INPUT: point cloud data

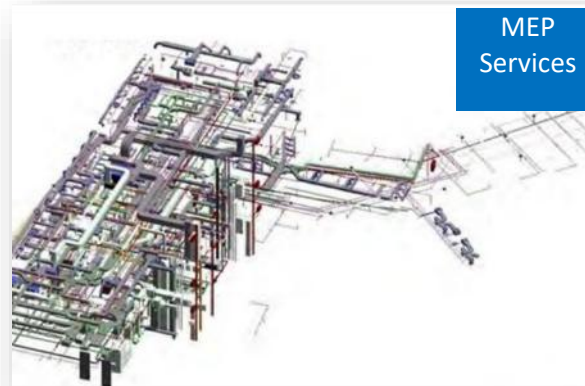
The deliverables from the interior scanning is used primarily for the documentation of existing conditions, and the coordination of proposed building systems (under design) based upon the existing conditions



02

ROLE: Renovate Construction/Facility Management

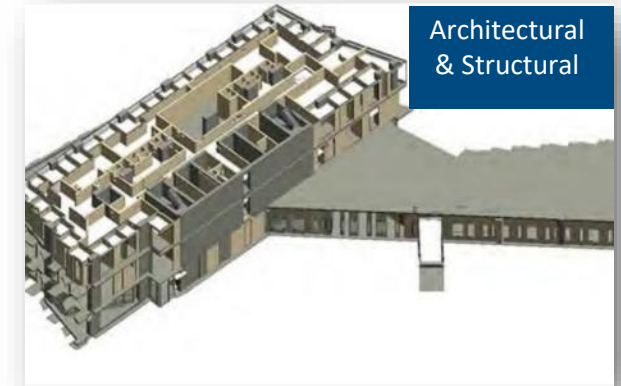
Revit v 2018 models are created of ceiling, floor, MEP, HVAC & Structural Elements to the general intent of the LOO 300 as applied to 3D imaging and laser scanning with generation of representative BIM models



03

OUTPUT: Architectural, Structural and MEP model by using Revit and Navisworks.

By taking the point cloud as reference (input) the interior parts of the building such as Architectural, structural, MEP etc. are modelled. Also, to be clearer on the output we will check the produced model with clash detection using Navisworks.



Future Growth



25%

Construction Management Services

Digital Twin
Construction BIM
Scan to BIM

75%

Construction Automation

TWIN Engine
CAD Assist
Revit Assist

\$150m

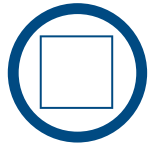
Next 5 years Leading CAD Technology solutions company



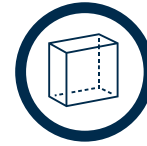
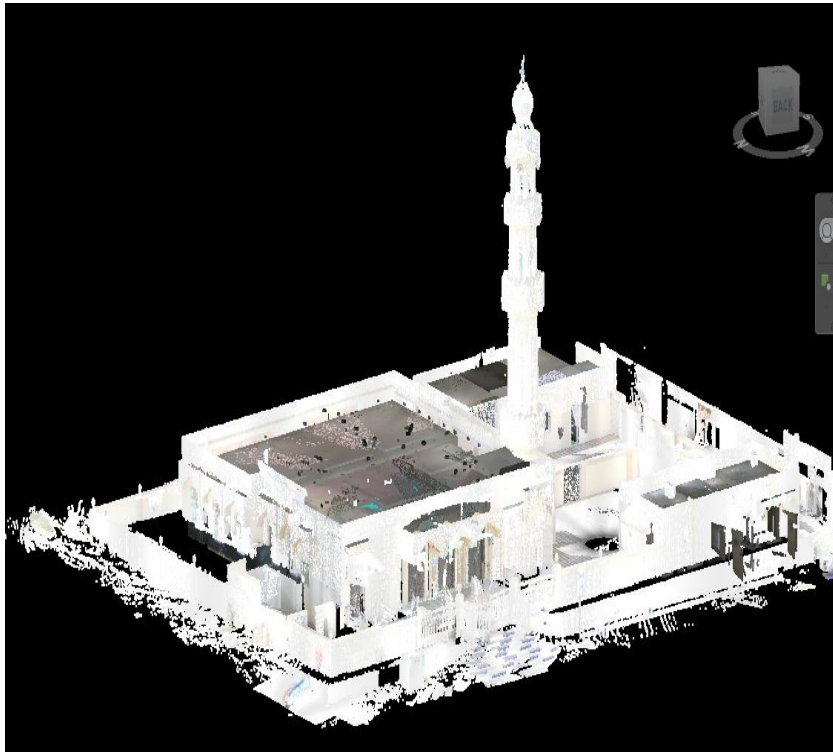
3D BIM modeling Services (LOD 100 to 500)



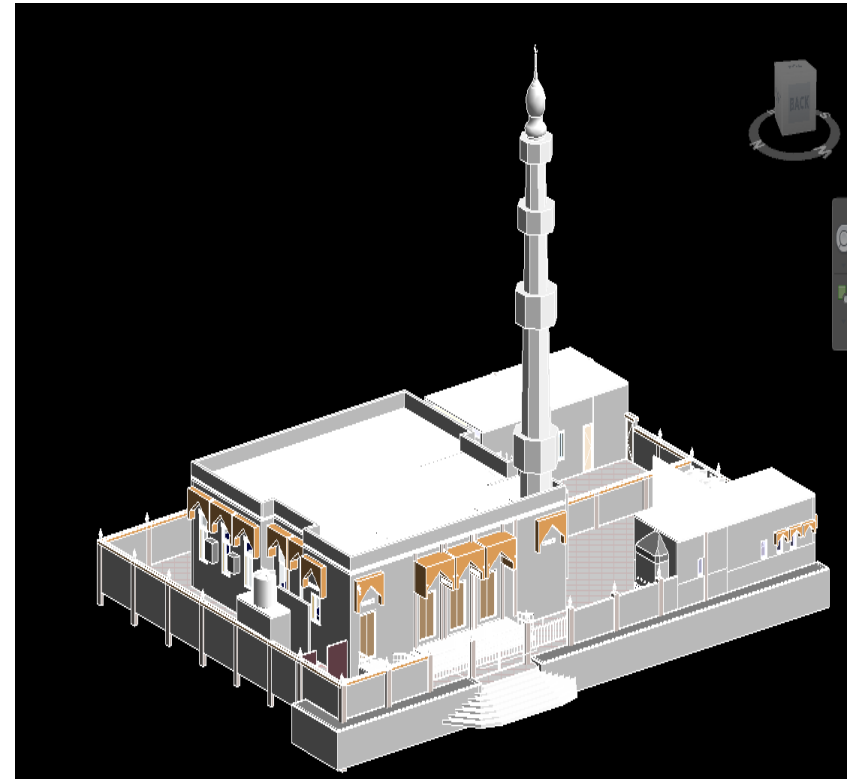
Point Cloud to 3D Modeling- Revit>>



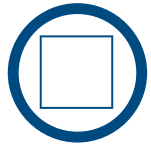
Point cloud



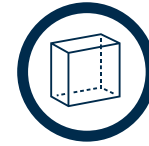
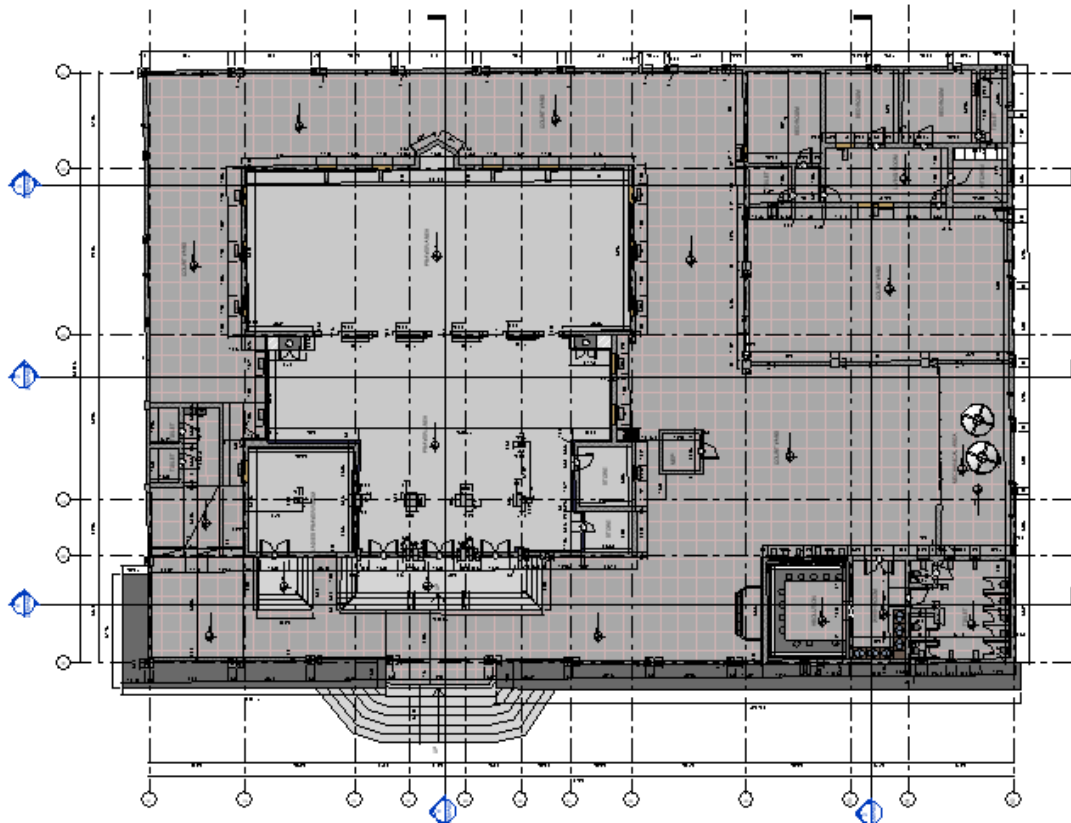
3D MODEL



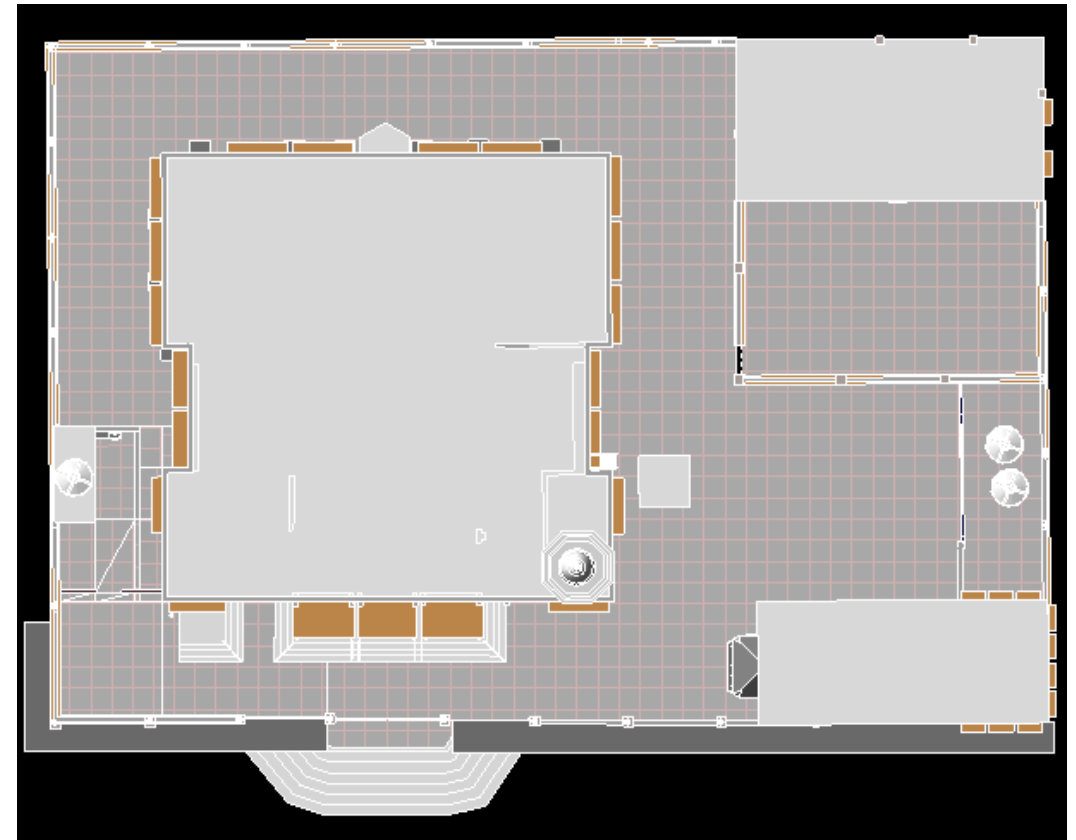
2D CAD to 3D Modeling- Revit>>



2D CAD



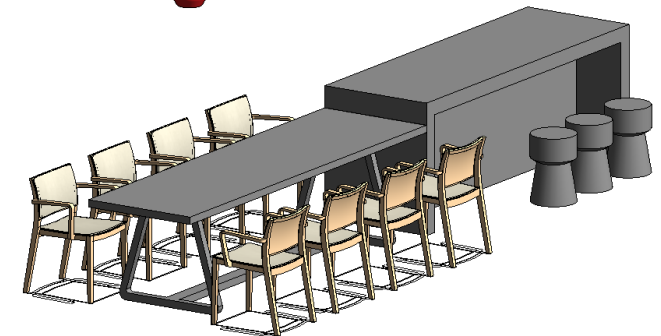
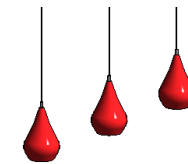
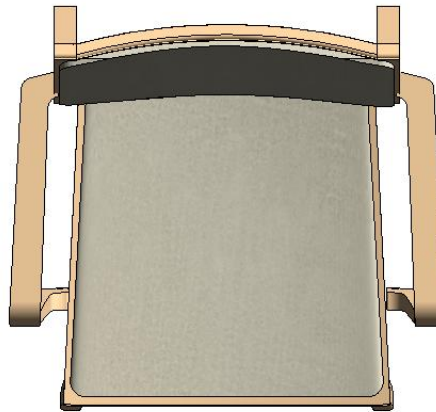
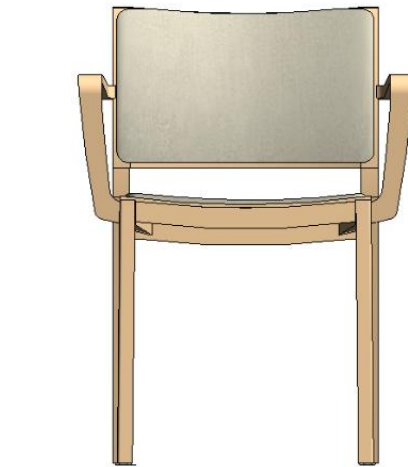
3D MODEL



Family creation Samples

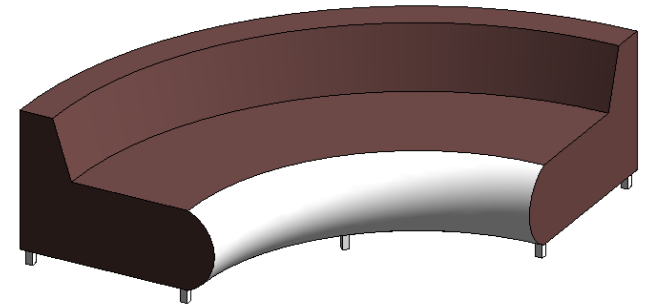
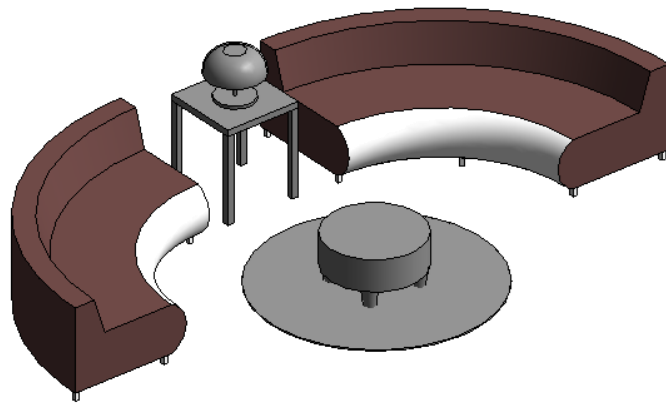
Family Creation - Revit

Family creation can be done in Parametric and Non-Parametric with the available inputs.

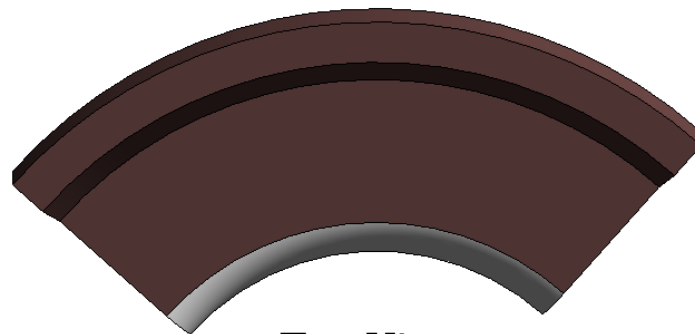


Family Creation - Revit

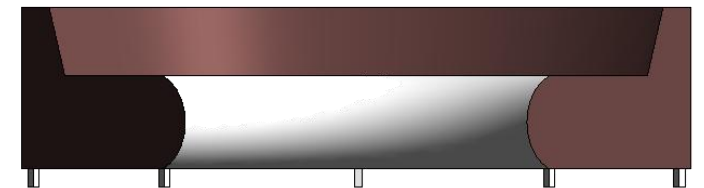
Furniture Models



Prospective View



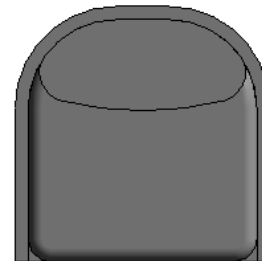
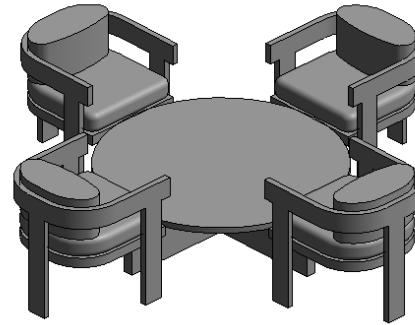
Top View



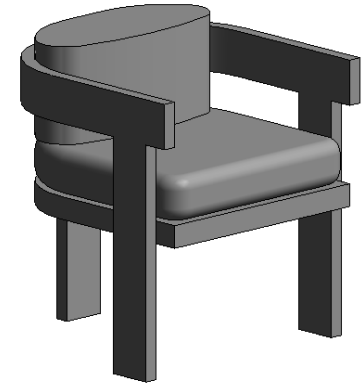
Front View

Family Creation - Revit

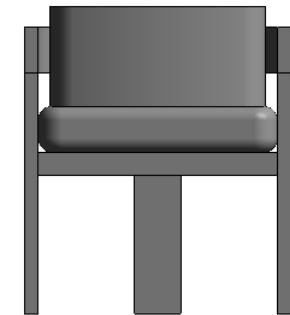
Furniture Models



Top View



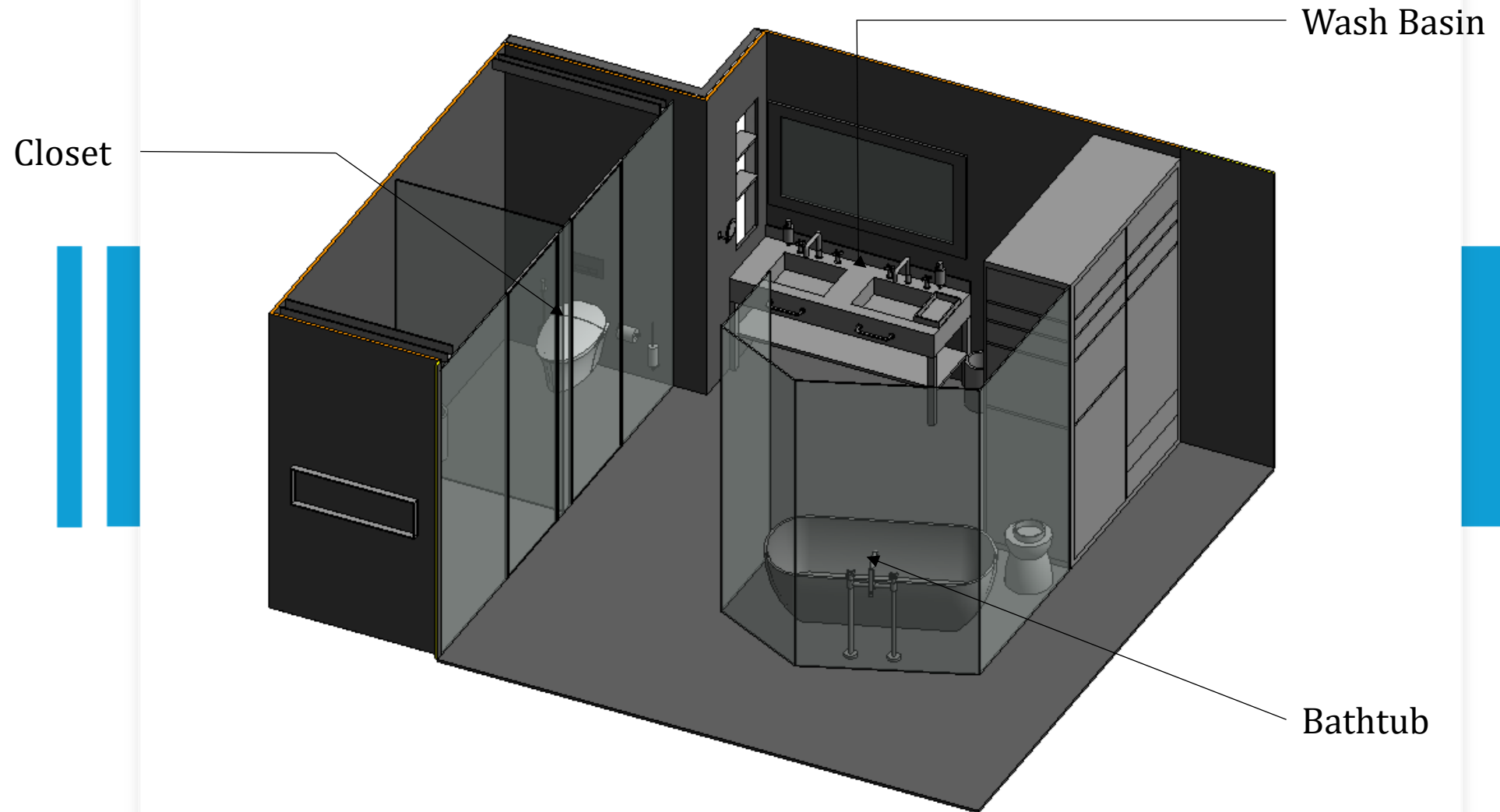
Perspective View

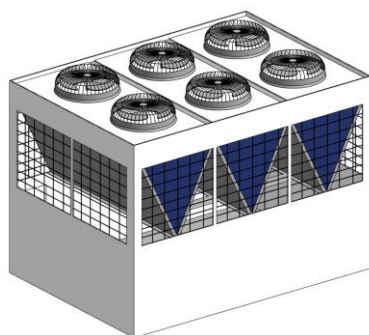
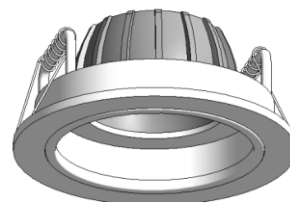
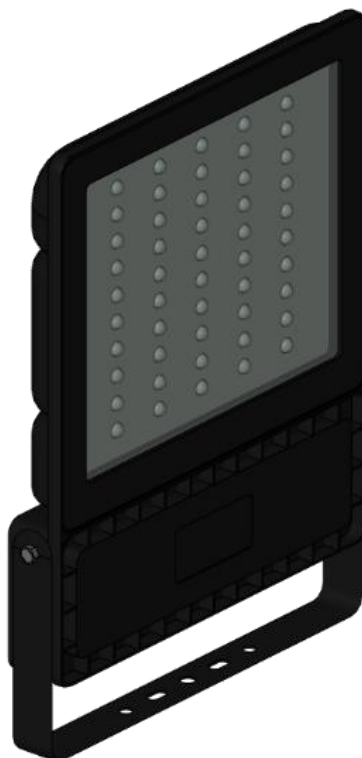
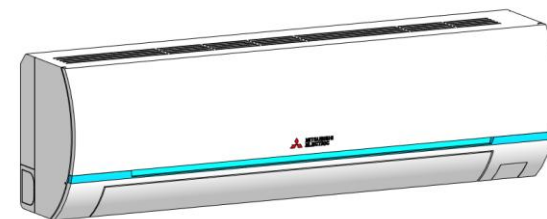
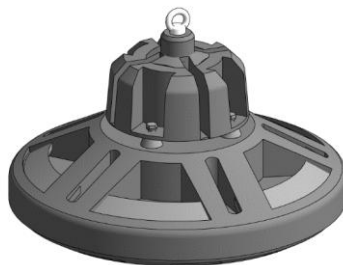
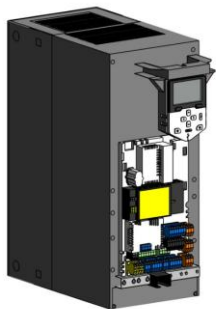


Front View

Family Creation - Revit

Some other discipline
Families





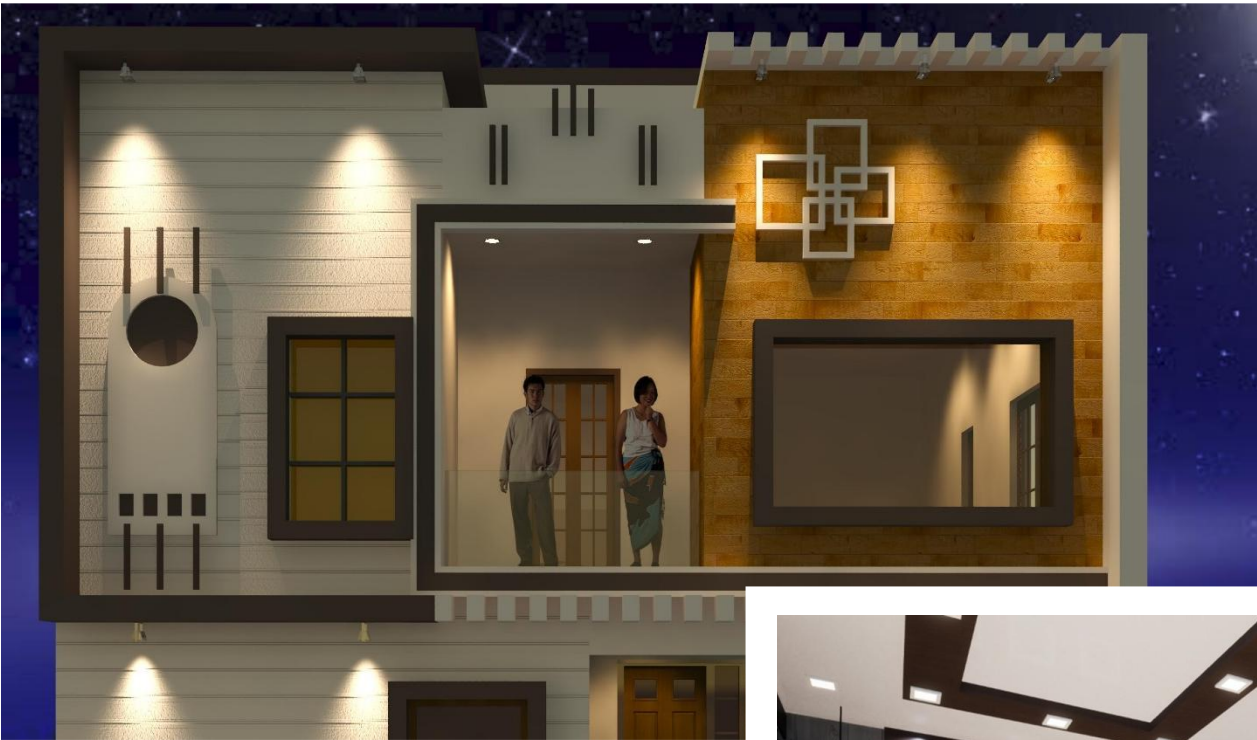
Family Creation - Revit

Some other discipline
Families

Interior Design & 3D Rendering



Vast Experience & Research on Interior Design / 3D Rendering



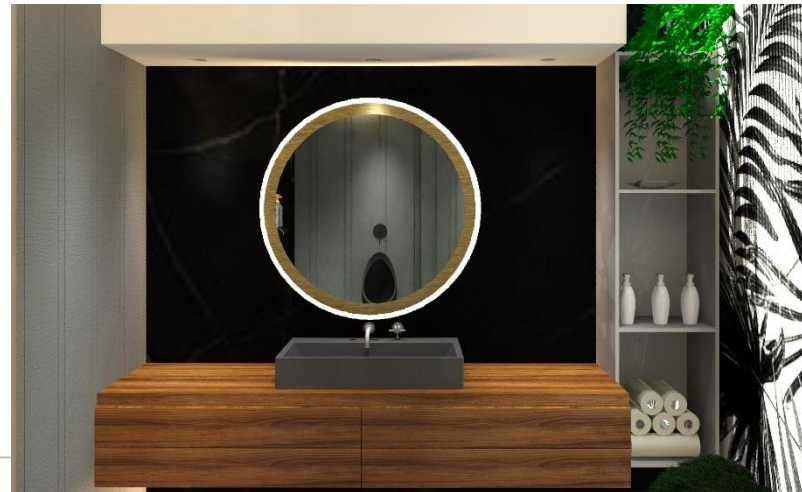
Vast Experience & Research on Interior Design / 3D Rendering



Vast Experience & Research on Interior Design / 3D Rendering



Vast Experience & Research on Interior Design / 3D Rendering





Autodesk Platform Services APIs

Use our API toolkit to create solutions that improve decision-making, reduce errors, and increase efficiency. Turn data into dashboards. Build digital twins for real-time insights. Customize end-to-end workflows. 3D configurators. Virtual reality. Process automation. Combine our APIs to solve your hardest challenges.



Viewer

Render 3D and 2D model data within a browser. The models can come from a wide range of applications such as AutoCAD, Fusion 360, Revit, and many more.



Autodesk Construction Cloud

Integrate with the new unified Autodesk Construction Cloud platform to create seamless construction and field management workflows with builders' critical documents and data.



Leverage tasks in the cloud

AUTODESK Platform Services

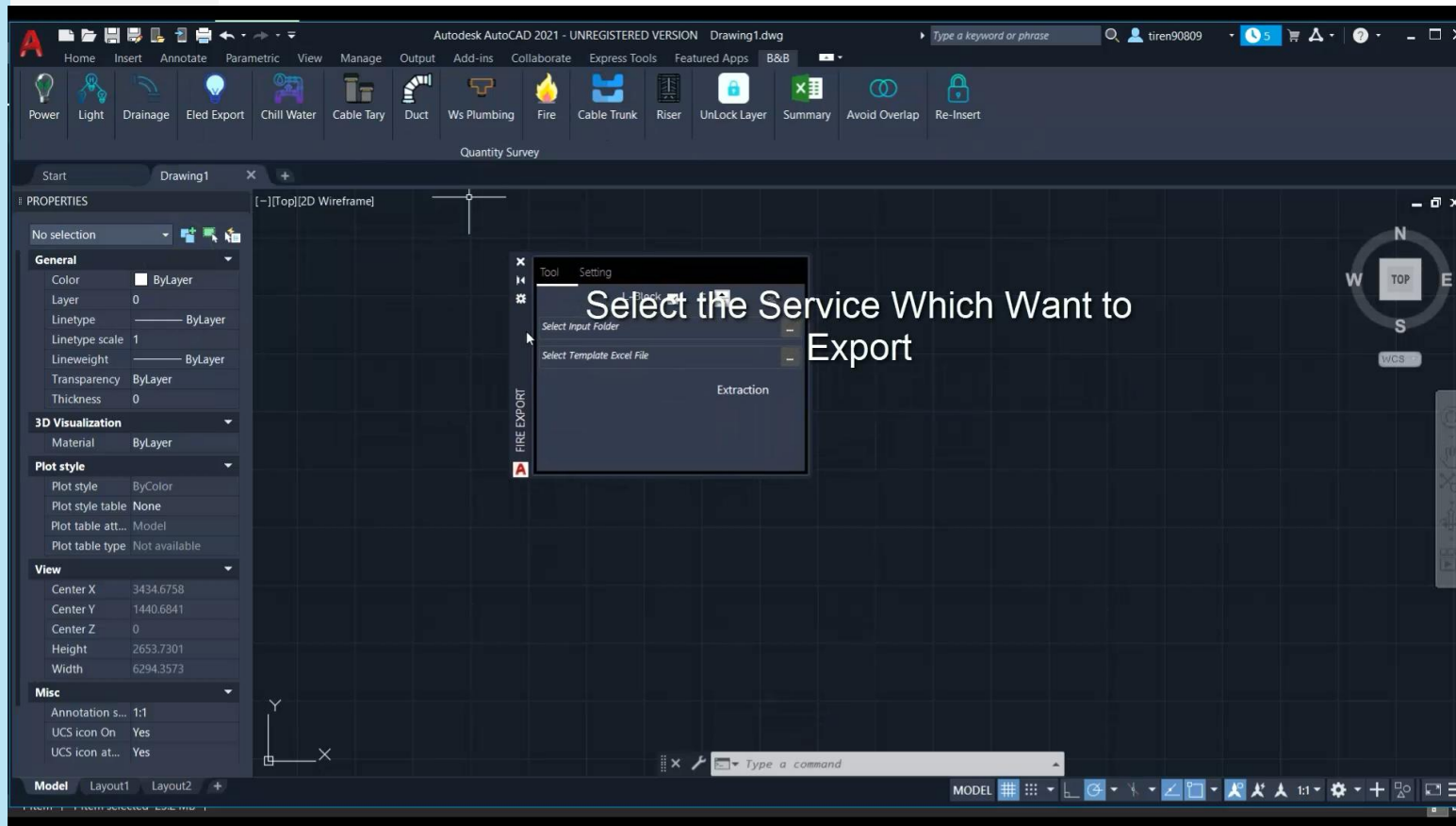


Revolutionizing Design with CAD Automation Empowering Efficiency, Precision, and Innovation

- Autodesk Revit
- Autodesk AutoCAD
- Autodesk Inventor
- Autodesk Advance Steel
- All other Autodesk Products
- SOLIDWORKS
- SOLID EDGE
- Tekla

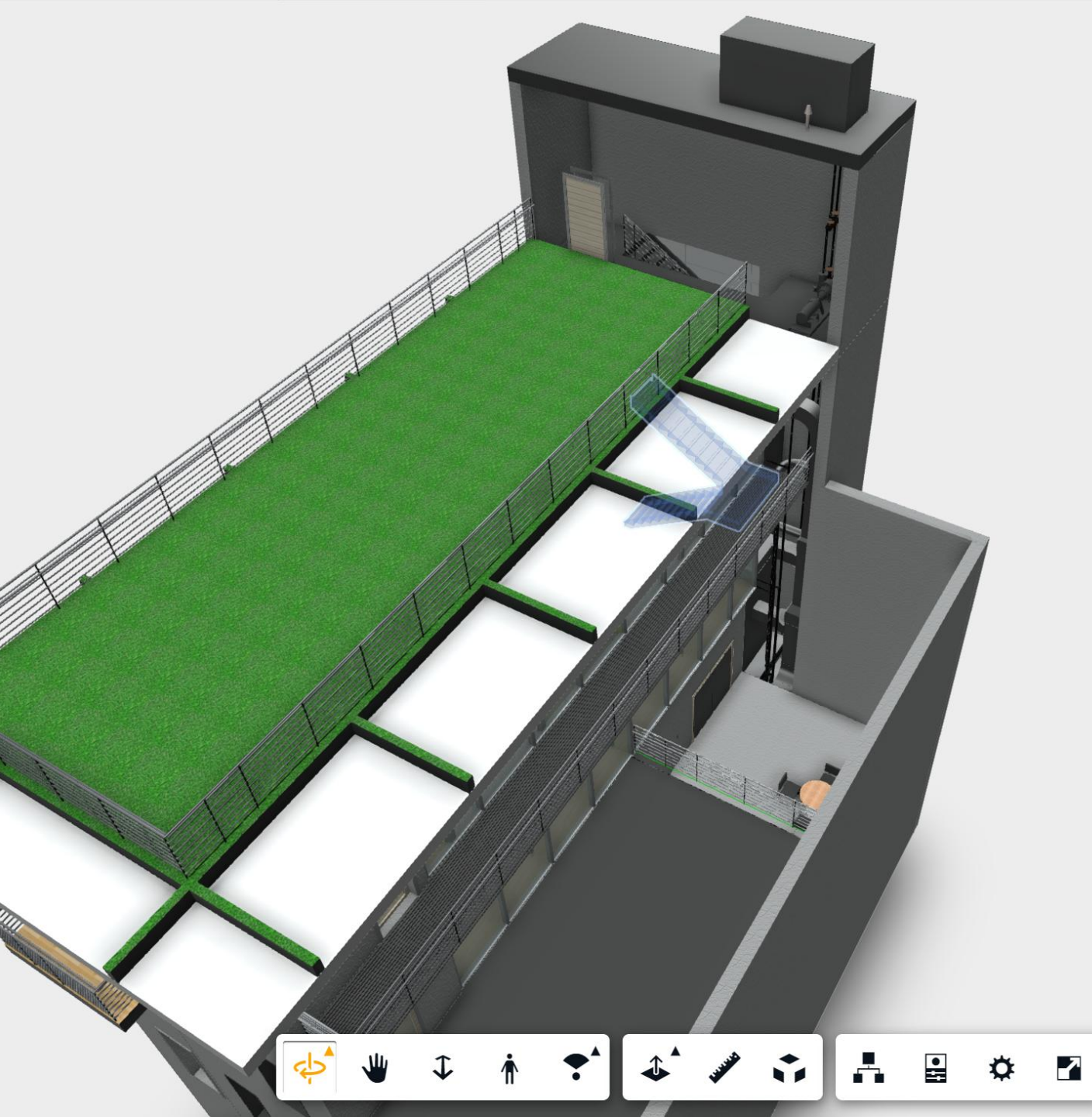


Vast Experience & Research on 2D Quantity take off



- We have created a plugin for **2D quantity takeoff** that allows you to obtain fast and accurate cost estimates by extracting the measurement data directly from your project files.

- Using our tool **TAKEOFF** extract measurement data directly from files saved in the following formats: **AutoCAD DWG**.



Vast Experience & Research on Forge Platform

- Forge Viewer where you can connect 3D & 2D in a single Web site browser; It has Selection Window / Section View / Walk-through / It contains extensive Forge Platform updation

List of the Tools & Plug-in's we created was grouped here ..

1. Visual Checker

Description

Provide color for any parameters in Revit for easy checking. It helps to the user for visual understanding of the model correctness. Similarly, it helps to the user for checking the level has declared correctly

2. Rebar Tool

Description

Rebar Block creation in AutoCAD & Revit. It helps to export the report schedules in the Excel. It helps to calculate the rebar calculation in the CAD platform

3. Exporter Tool

Description

It helps to the user for exporting IFC /PDF/ DWG file from Revit files (as well it support Batch Process)

4. View & Sheet creation

Description

Create Views based on HVAC Zones and corresponding Sheets for Apartment and Individual Houses in Revit

5. Parameter Helper

Description

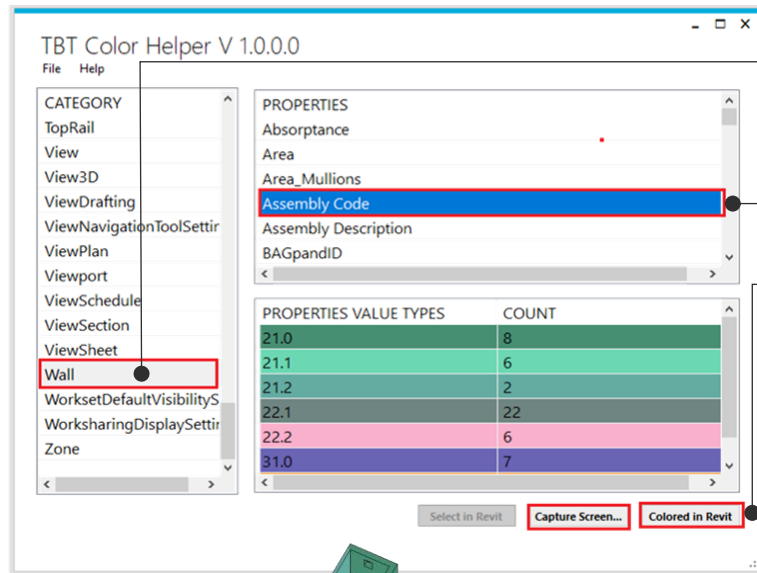
Parameter Changes for Room, Spaces, shared parameters and Omni Class parameter for all elements

6. Warning Worker

Description

It helps to fix the Join Geometry issues for structural and non-structural. As well it helps to fix duplication issues by removing the one of the duplicated element.

Experience / Track record



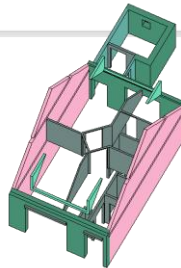
Select the category; which needs to be colored

Select the property based on which it needs to be colored.

Use Colored in Revit button for color the elements based on the property selected by the user.

Use Capture Screen button for capture the screenshot and write some of the comments about the model.

Use Select in Revit button for select the elements in the model based on the property selected by the user.



The sample-colored model here for your reference (based on the assembly code the walls are colored).

Experience / Track record

TBT Color Tool – Make color your element based on the parameters by just clicking

BEP Standard Update Tool – Tool helps to update the BEP standards with all elements in the BIM Model

The screenshot shows a software window titled 'JLL V 1.0.0.7' with a close button (X) in the top right corner. The interface includes the following elements:

- Facility Name :** A dropdown menu showing '2.07'.
- Warning Fix :** A group box containing checkboxes for 'Room', 'Space', 'Mark', 'Phase', 'Highlight', and 'Duplicate'. The 'Room', 'Space', 'Mark', 'Highlight', and 'Duplicate' checkboxes are checked.
- Shared Parameters :** A group box containing checkboxes for 'Asset Type', 'Space', 'Zone - (1A)', and 'Floor'. All four checkboxes are checked.
- Running count :** A display showing '0 / 0'.
- Action Buttons :** A vertical stack of buttons: 'Fix Warning', 'Update Shared Parameters', 'Update ROOM Codes', 'Update Omni Class Parameter', 'Update Omni Class Room/Spaces Parameter', 'Update System Name', 'Wall Renaming for 3.04', and 'Omni Class Number'.

Callouts point to specific features:

- A:** Points to the date dropdown menu showing 'Saturday, June 8, 2019'.
- B:** Points to the 'Facility Name' dropdown menu.
- C:** Points to the 'Warning Fix' and 'Shared Parameters' checkboxes.
- D:** Points to the 'Update Omni Class Room/Spaces Parameter' button.

A

Date of the Submission will be captured here

B

The Plot no of the building will be captured and the same will be included as a parameter

C

Use Warning Fix : controls used for remove the warning in the Room, Space, Mark value, Phase Value, Highlight issue and Duplication element issues.

Use Shared Parameters : controls used to fill the shared parameters based on the check box checked; which differ from building to building.

Running count : No of elements process will be displayed in this region.

D

List of the buttons will help user to process the list of activities; Omni class updation and some of special updation for particular plots like 3.04

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