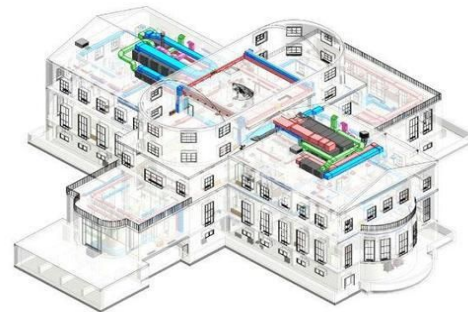
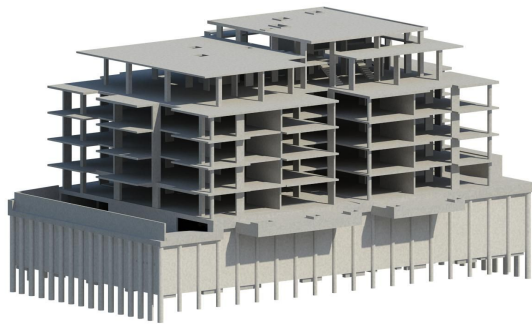




# St. Hua Private School



AUTODESK  
REVIT

## BIM Revit Services Overview

# About Our Company

## St. Hua Pte. Ltd.

Since its establishment in 1997, St.Hua Pte Ltd has worked with clients to offer solutions in various fields of engineering and electronics. Our products and services include hardware for construction, CAE analysis, as well as electronics and engineering design.

St.Hua also offers quality technical training under the St.Hua Private School in fields such as information technology and engineering. Some of our courses include electronics design, engineering drafting, programming, interior design and mobile applications design.

With a body of highly experienced and well-educated teachers, we are committed to providing excellent standards of education for mature students looking to adapt better to Singapore's progressive and dynamic workforce in line with the Singapore government's championing of lifelong learning among older workers.



## St. Hua Private School

Established in 1997, St. Hua Private School specializes in the provision of technical education in information technology, digital graphics design, mechanical engineering and electronics engineering. St.Hua Private School is also registered under [Council of Private Education](#). (CPE No. 201008052Z, 09 Jan 2017 – 08 Jan 2021)

The trainers at St. Hua Private School are well educated and experienced, where majority hold at least a Master's degree from either local or overseas universities.

Most of our courses are subsidized by SkillsFuture credit. It is our responsibility to ensure that every student master the relevant knowledge with ease and fun.

Ultimately, we aim to ensure that all our students are better equipped with the necessary skill sets to meet the requirements of the society, to prepare them for the workforce and to enhance the current skill set of workers such that they can better fit their current job.



## Architectural Services

Architectural Design,  
3D Modeling & Rendering, Architectural  
Walkthrough, Construction Drawings

## Structural Services

Structural Design & Analysis, Steel & Rebar Detailing  
Shop Drawings, Structural 3D Modeling

## MEP Services

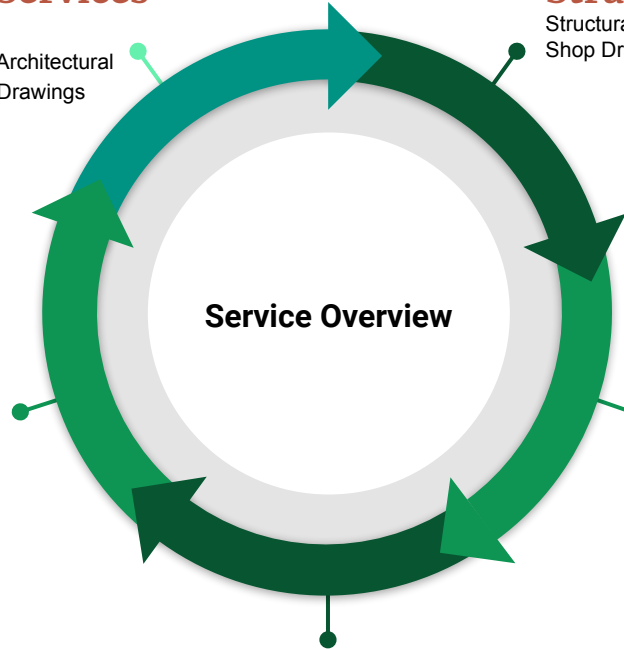
MEP Design, Drafting and Detailing,  
MEP 3D Modeling, MEP Coordination,  
Shop Drawings

## BIM Services

4D 5D BIM, Scheduling, BIM Coordination,  
Clash Detection, Green Building, Families,  
Material & Quantities, Cloud Scan to BIM

## Mechanical Services

Mechanical Design, Mechanical 3D Modeling,  
Product Prototype, FEA, Reverse Engineering



# Our Services



01	BIM Revit	<ul style="list-style-type: none"><li>• BIM with Revit Structure</li><li>• BIM with Revit Architecture</li><li>• BIM with Revit MEP</li></ul>
02	Interior Design & 3D Animation	<ul style="list-style-type: none"><li>• AutoCAD 2D &amp; 3D Essentials</li><li>• 3Ds Max</li><li>• Lighting Design with Dialux</li><li>• Sketchup 3D Design</li></ul>
03	Programming Languages	<ul style="list-style-type: none"><li>• Python 3</li><li>• PHP &amp; MySQL</li><li>• Java</li><li>• C, C++, C# Programming</li></ul>
04	Data Analytics	<ul style="list-style-type: none"><li>• Tableau Essentials</li><li>• Python for Data Analytics</li><li>• R Programming</li></ul>
05	Diploma Course	<ul style="list-style-type: none"><li>• Advanced Diploma in Industrial Design</li><li>• Advanced Diploma in Industrial Electronics</li><li>• Diploma in Interior Design</li><li>• Diploma in Civil Engineering</li></ul>

# Our Expertise

# BIM Consultancy

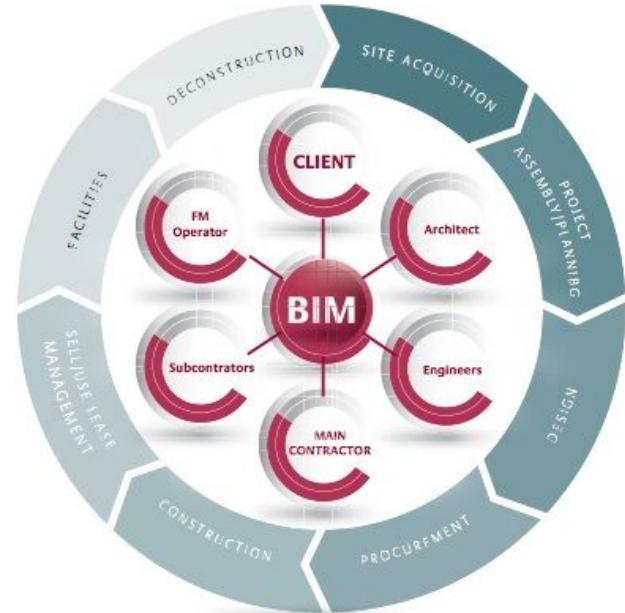
## Service Description

Our BIM Consultant will provide the facilitation of the overall BIM framework, coordination and execution of BIM process for companies with little or no experience with BIM. Every company have different needs and specialties, this service will determine the ideal framework, specific tasks and deliverables to cater to the company's specialties and discipline

Our BIM Consultant will provide in-house training for employees to comprehend the 3D software and handhold for every step of the process to ease the transition of employees into the BIM process for the designated project. As such, you will expect to see a 3D consolidated model of all relevant detail and drawings at the end of the service.

## End Deliverables of Service:

1. BIM Execution Plan & Framework
2. Revit Project Standard and Template
3. Revit Custom Library
4. Revit Model (LOD 200-400) at specified stage by Client
5. In-house training to Employees for transition and handover
6. Clash Coordination procedure (Optional)



# BIM Modelling

## Service Description

Provision of BIM Modelling for Architecture, Structure & Mechanical disciplines. This service will complete all modelling from LOD 200-400 (as determined by Client) at the determined and agreed stage of the project. I.E. Building Model at LOD 200 for Design Stage of the Project. This service is strictly for the conversion of 2D drawings provided by the Client into 3D models, the Client would then be able to take over the completed model for their own revision.

Depending on the scale of the project, our BIM Modelers can be stationed within the company or be handled solely by St. Hua.

End Deliverables of Service includes either of the following depending on the nature of the project:

1. Revit Architecture Model
2. Revit Structure Model
3. Revit MEP Model
4. Custom Revit Library (Optional)



AUTODESK  
**REVIT**  
Structure



AUTODESK  
**REVIT**  
Architecture



AUTODESK  
**REVIT MEP**



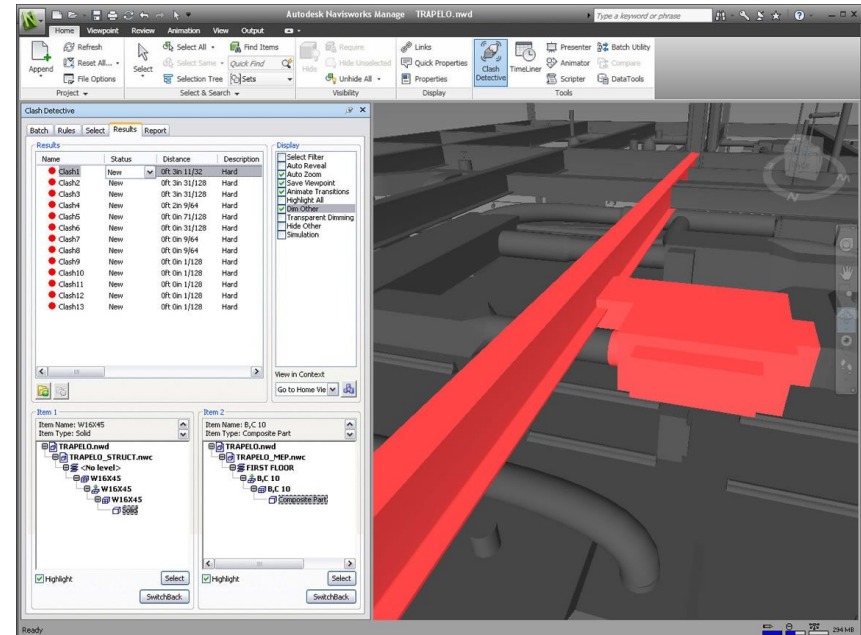
# BIM Collaboration

## Service Description

Such services are for companies who require multi-disciplinary collaboration and validation of accurate modelling through clash detection software such as Navisworks. The following services are provided solely for collaboration and coordination purposes. As such this particular service is strictly for conducting clash detection and not the provision of 3D modelling. However, if companies require 3D modelling, it can be added on as an additional service. This service can be conducted in-house or taught to companies to perform their own Clash Detection.

End Deliverables of Service:

1. Clash Detection of Multi Discipline i.e. Architecture vs MEP Services
2. Interference Clash detected while modelling (Optional)
3. Clash Report & Model



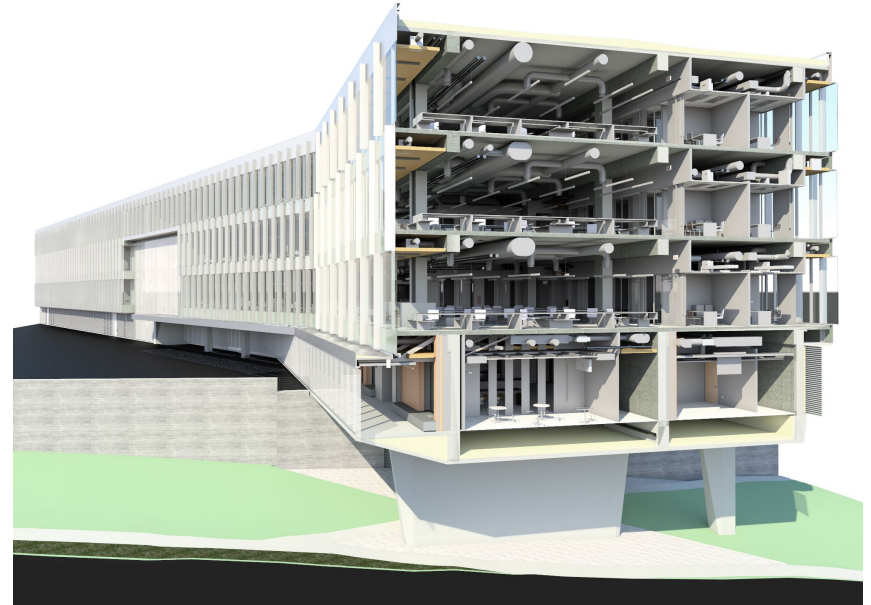
# Rendering Services

## Service Description

Provision of perspective rendering for Presentation or visualization. Optional services include Video rendering or Walkthrough rendering for presentation or visualization.

## End Deliverables of Service:

1. Perspective Image
2. Rendered Video Walkthrough





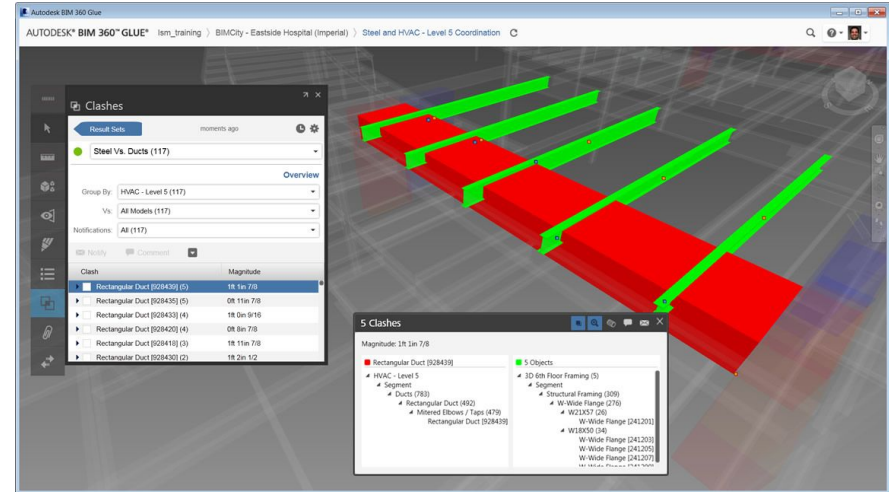
# Construction Sequence Services

## Service Description

Preparation of Navisworks Model using Timeliner Simulation to superimpose companies' project schedule onto Navisworks software to create a projected Construction Sequence Video. This service would require 3D model already built in Revit as well as the project schedule provided in either Excel or Microsoft Project format.

End Deliverables of Service:

1. Clash Detection of Multi Discipline I.E. Architecture vs MEP Services
2. Interference Clash detected while modelling (Optional)
3. Clash Report & Model



# 3D Printed Model

## Service Description

As a value-added service, St Hua can provide small scale models using our 3D printing facilities to provide a physical model or prototype for visualization.

End Deliverables of Service:

1. 3D printed model



# Contact Us



## St. Hua Pte. Ltd. St. Hua Private School

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Website: <https://sthua.edu.sg>

Business Hours: 10:00 – 20:00