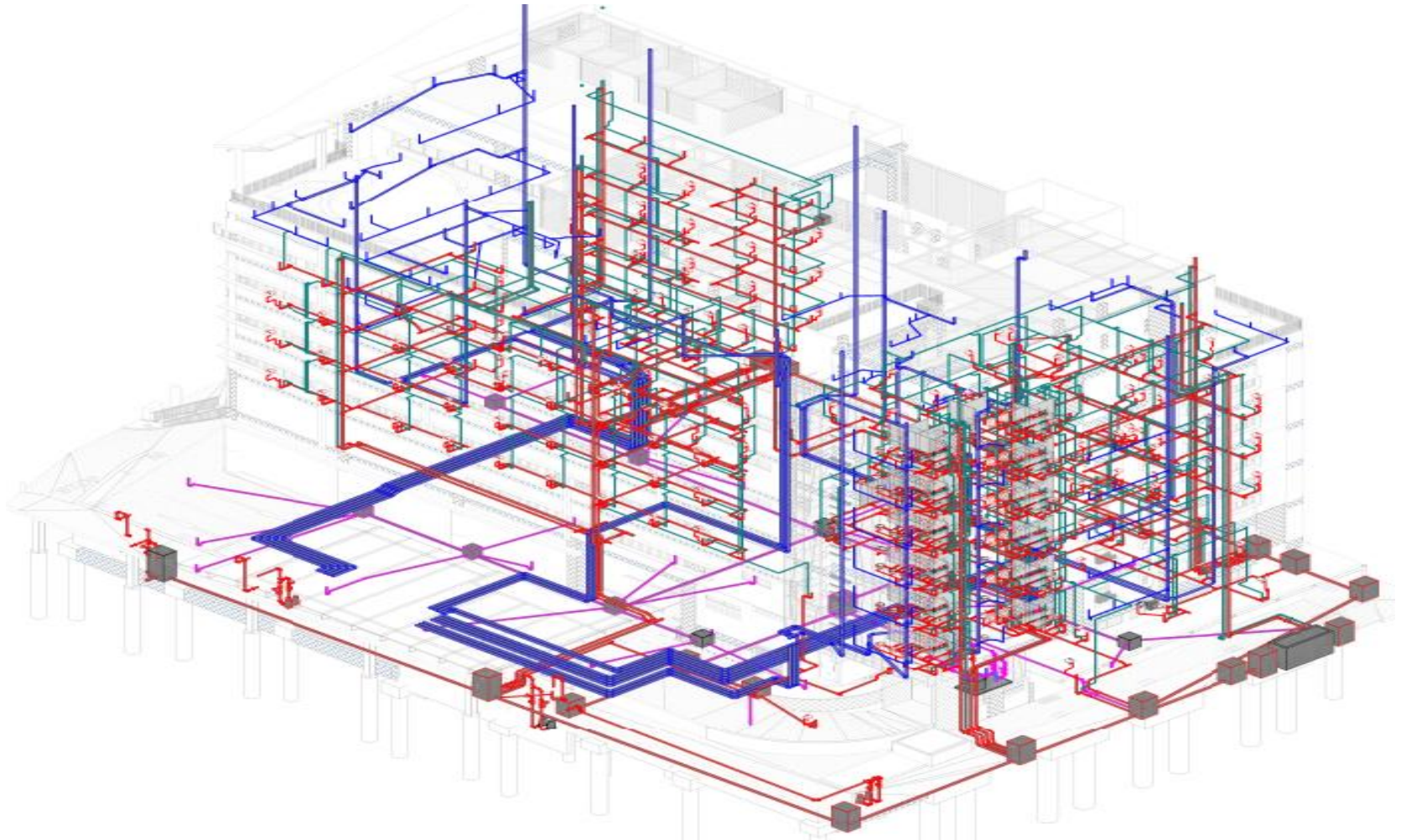
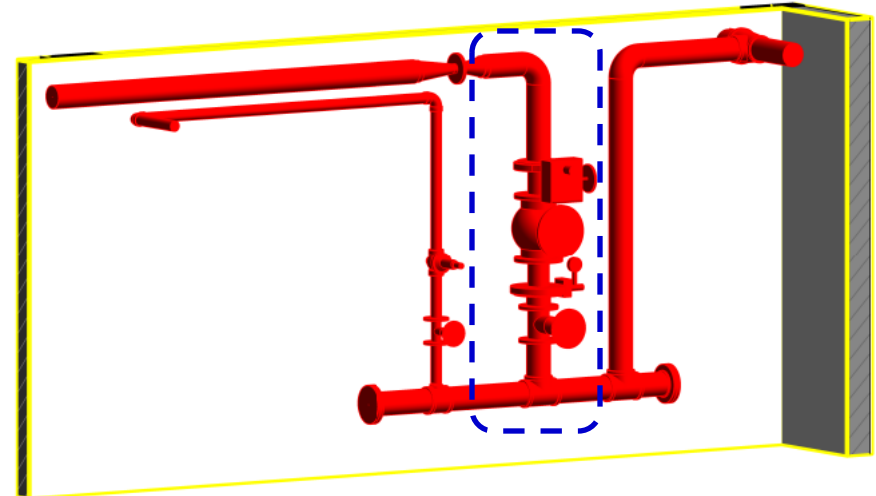
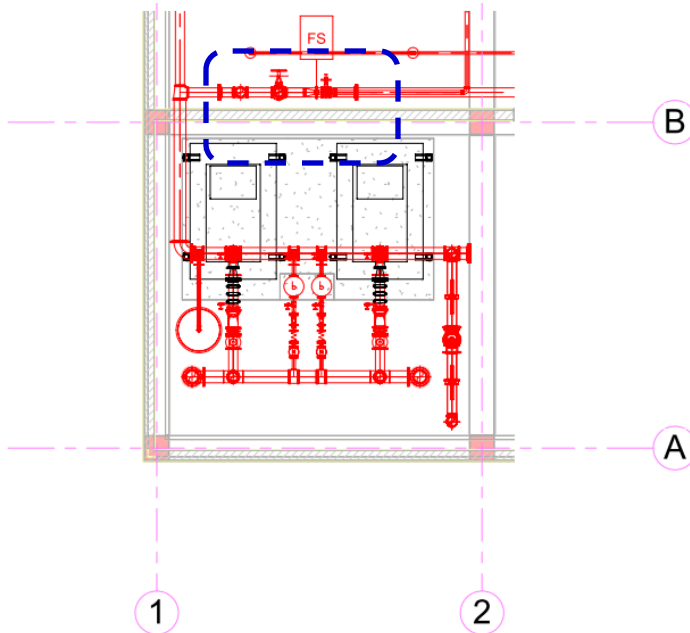
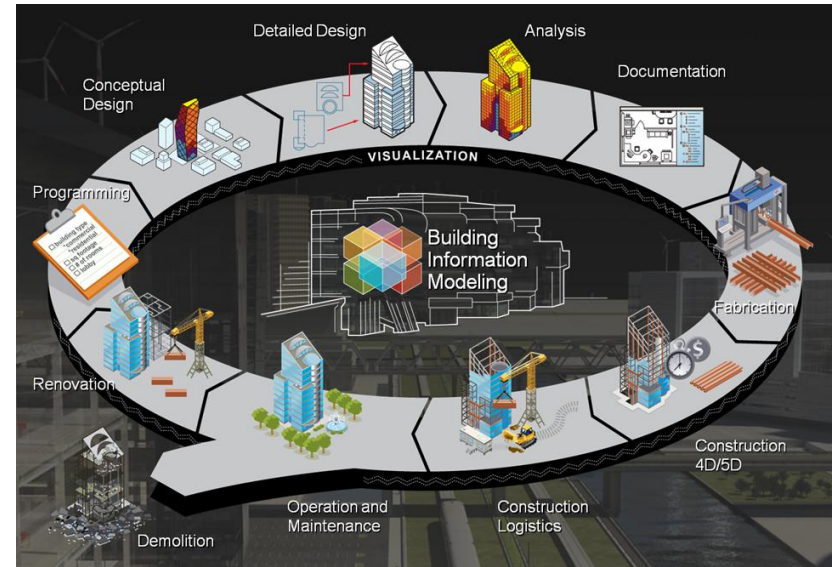


3D MEP MODELING SERVICES

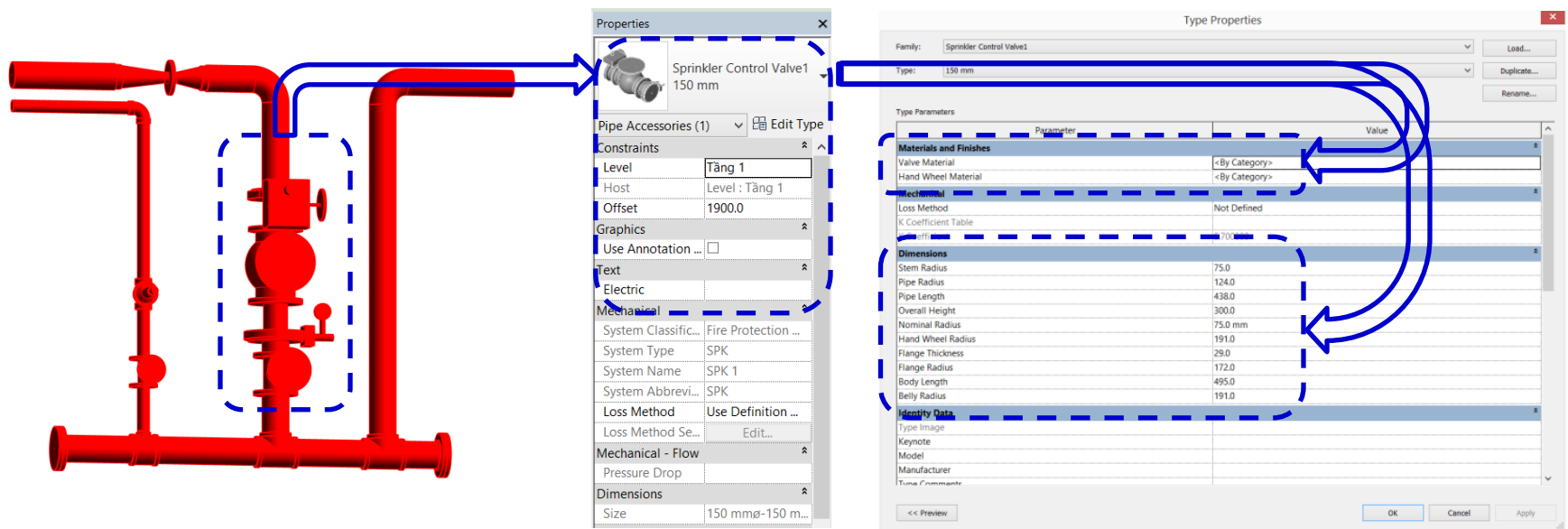


3D MEP MODELING SERVICES

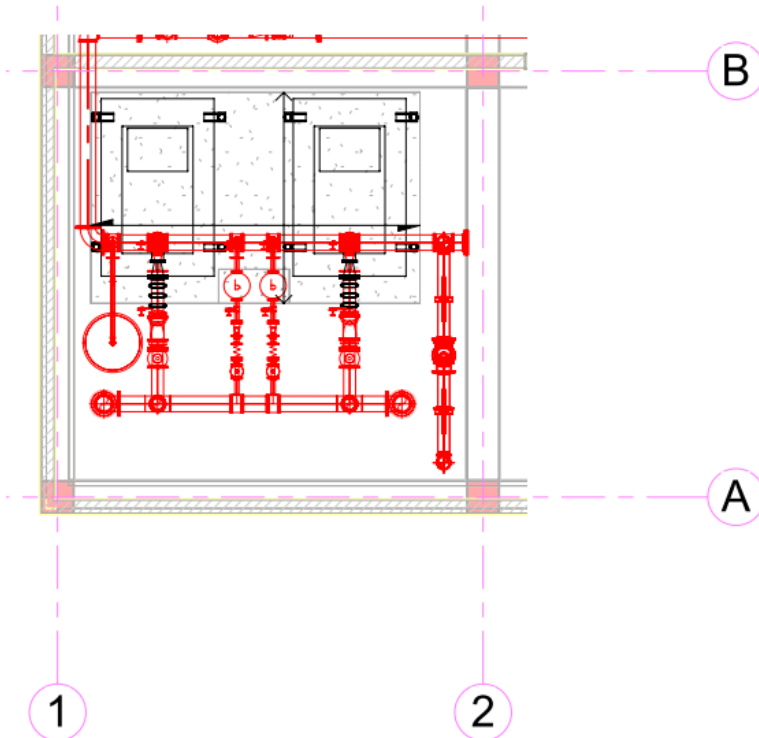
After many years using Autocad to create 2D/3D MEP (M&E) drawing with non-BIM(Building Information Modeling) application, we have switched to use Revit BIM software, providing customers MEP (M&E) BIM models with completed detail schedules and manufacturing information.



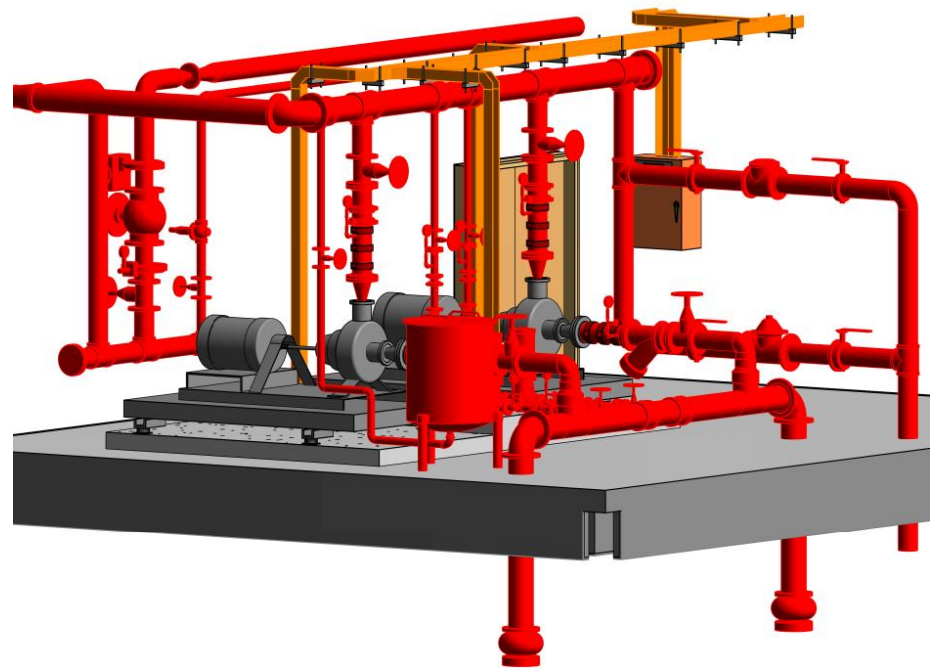
One of key differences between modern BIM technology and traditional software is the objects created by BIM models represent for actual elements in a construction project. Therefore the information in the BIM model becomes more useful to designers, installers and cost consultants.



We provide MEP (M&E) modeling services base on a stand alone or as part of the complete design including the structure and the services.

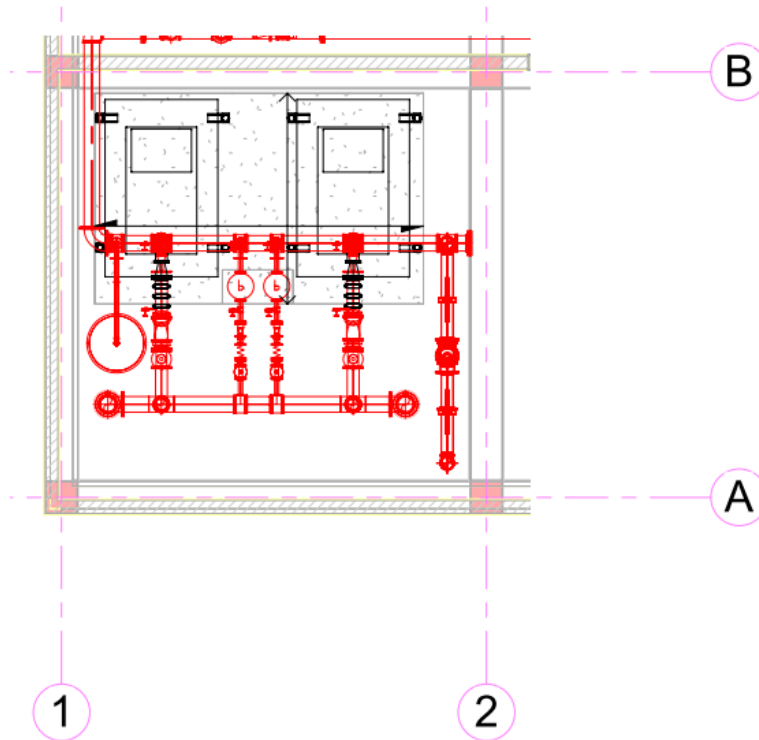


FIRE PROTECTION PLAN
VIEW (2D)

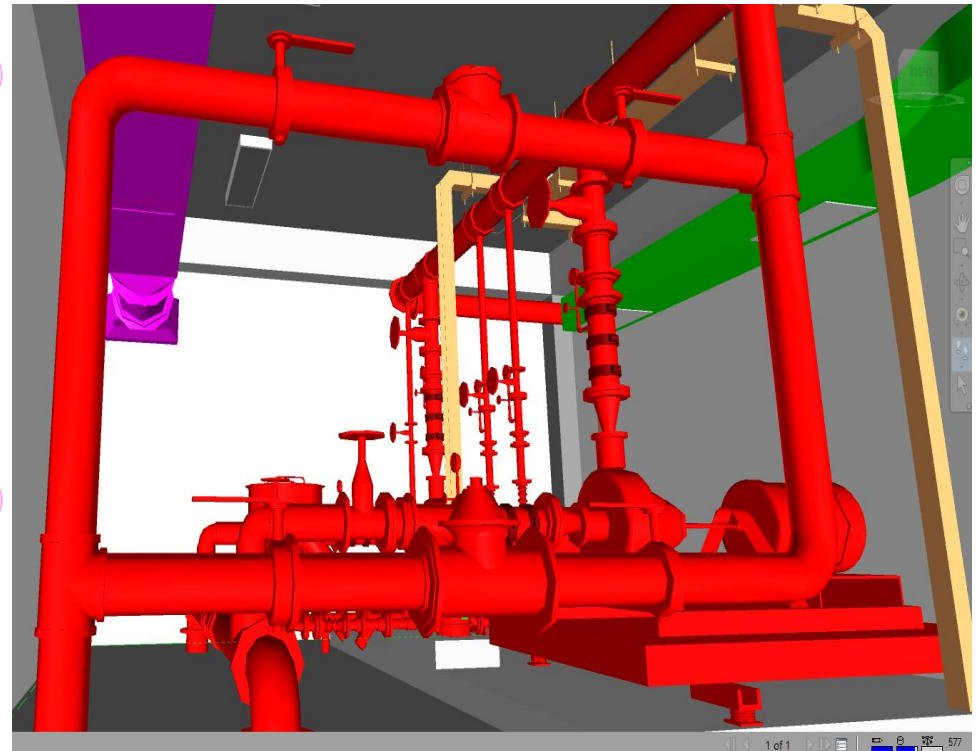


FIRE PROTECTION PLAN
VIEW (3D)

It gives us the model and presence for all components of the system (unlike 2D CAD drawings) and thus ensure that the problem of installation space is resolved before installing .



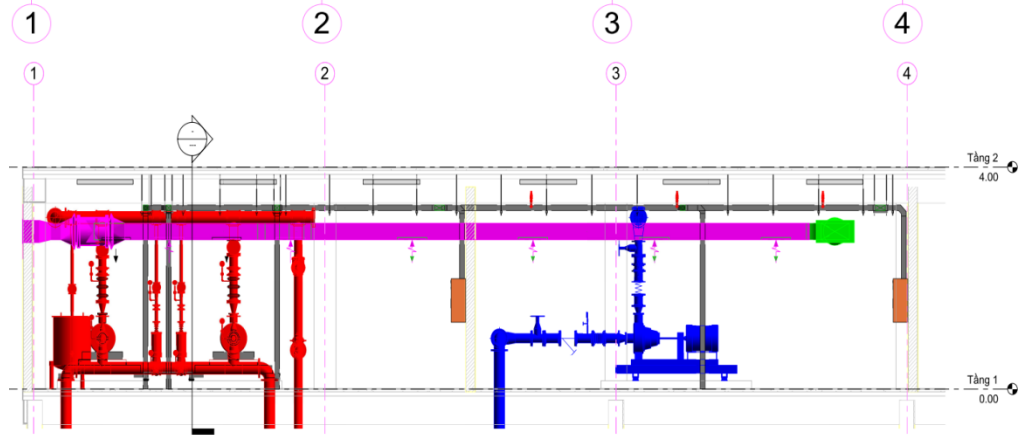
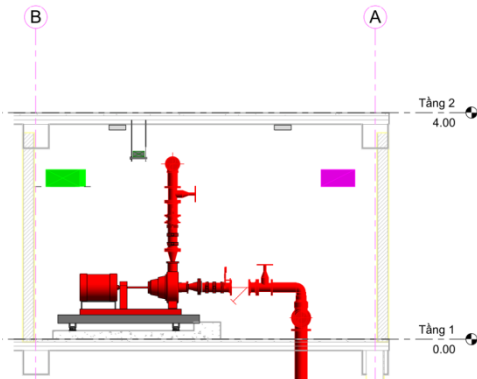
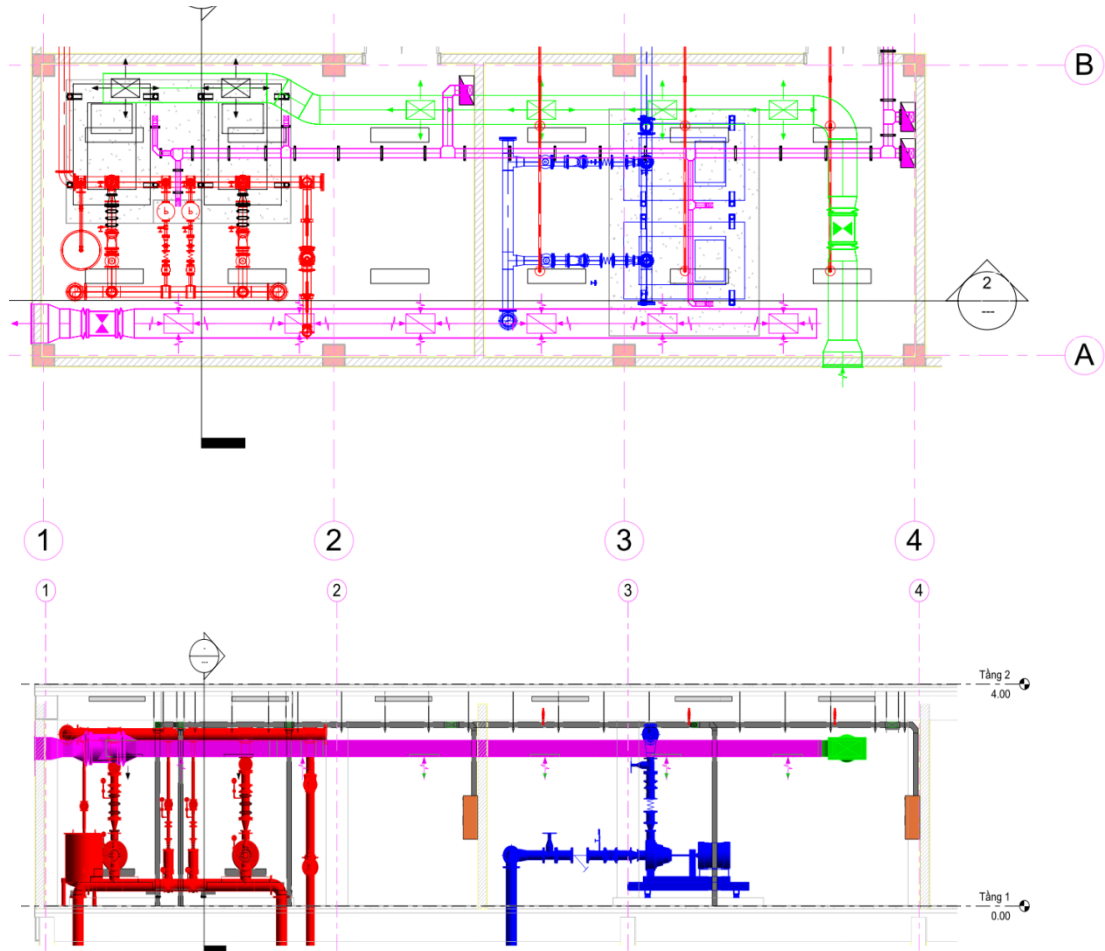
FIRE PROTECTION PLAN VIEW
(2D)



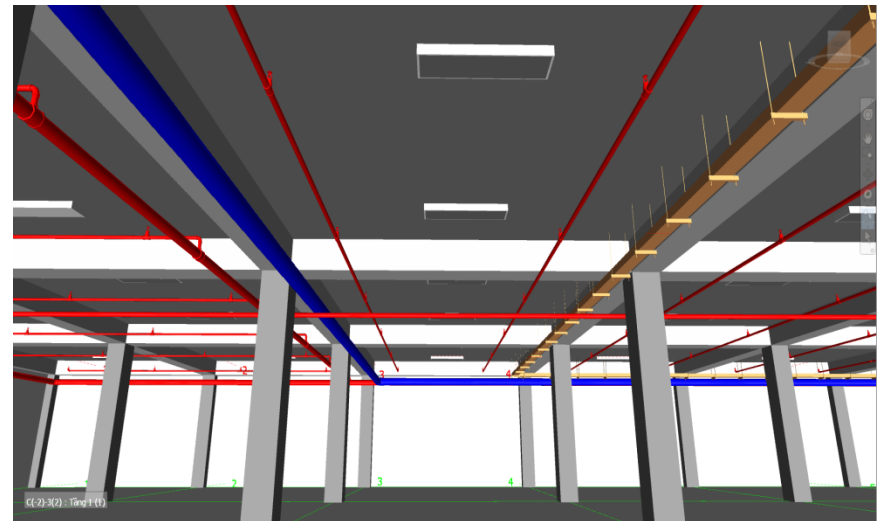
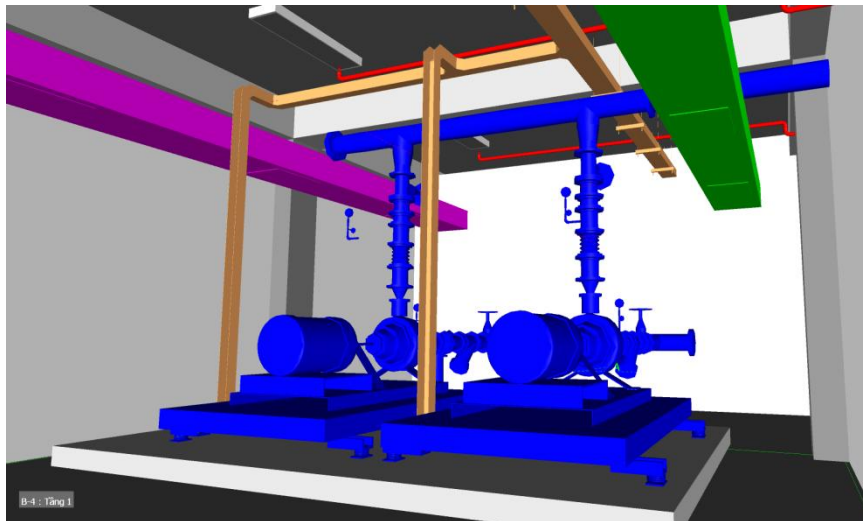
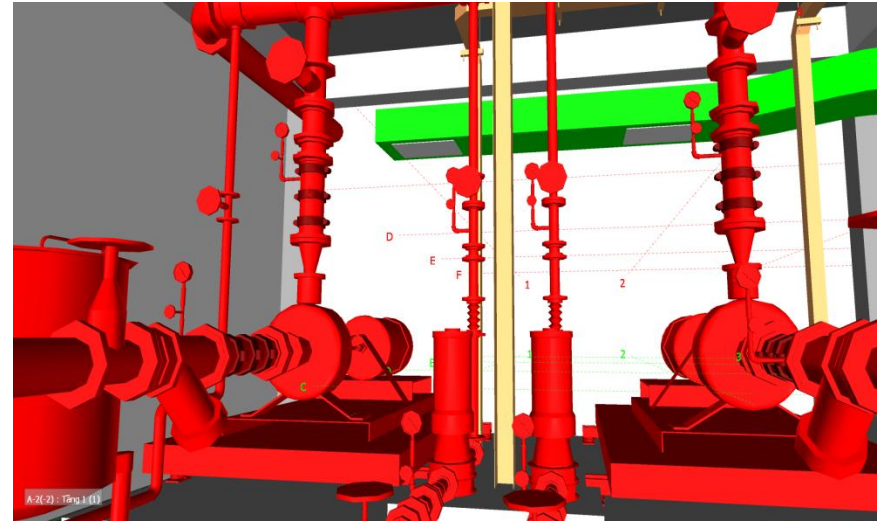
FIRE PROTECTION PLAN VIEW
(3D)

3D MEP MODELING SERVICES

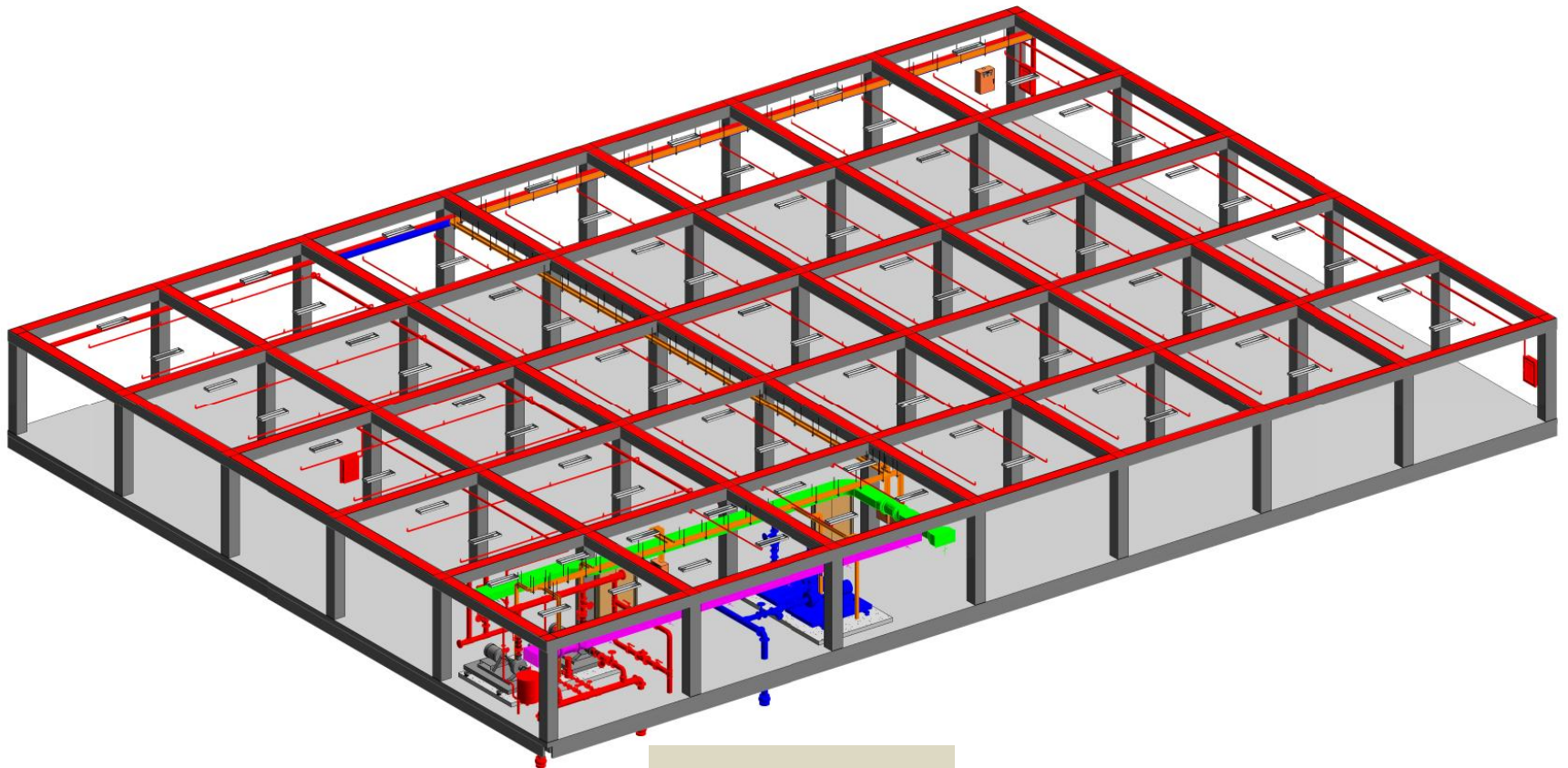
Compared with 2D drawings alone, the 3D model allows our clients to view detailed areas in a 3D space.



Allow any views, sections and detailed drawings are presented easily and quickly.

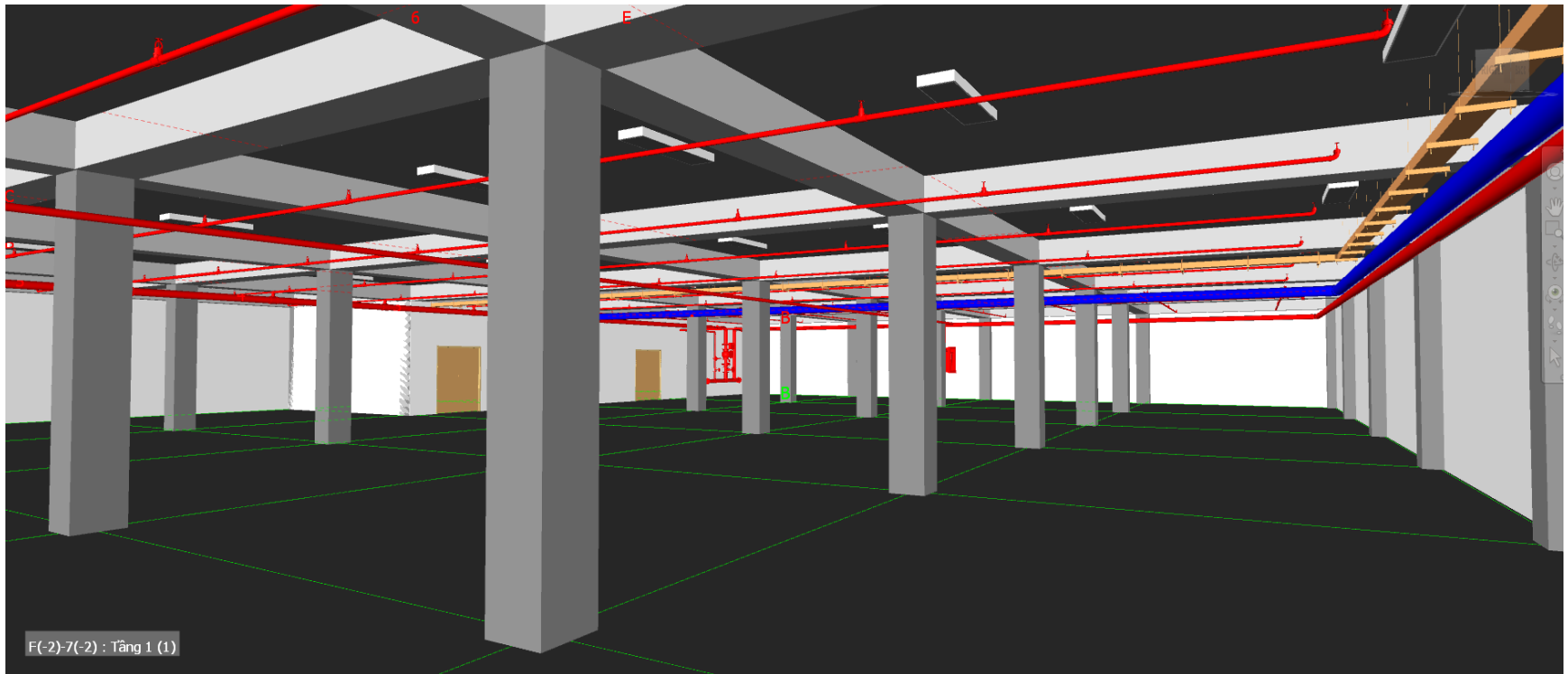


We found the clashes were designed by the design consultants and then we rebuild the model and resolve the clash of systems until the design is no longer clash.



MEP Model

By creating a virtual 3D model, we are able to offer many advantages to our clients: It allows us to ensure that there are no clashes (this can be validated easily using clash detection software tools).



Combine services drawing

By using Revit MEP software 3D (M&E) and collision detection technology (Autodesk NavisWorks) to coordinate to coordinate with the building, we offer "clash free solutions"

Clash Detective

FP - ELECT

Last Run: Monday, November 30, 2015 6:51:24 PM
Clashes - Total: 4 (Open: 4 Closed: 0)

Name	Status	Clashes	New	Active	Reviewed	Approved	Resolved
ELECT - STR	Done	81	81	0	0	0	0
FP - ELECT	Done	4	4	0	0	0	0

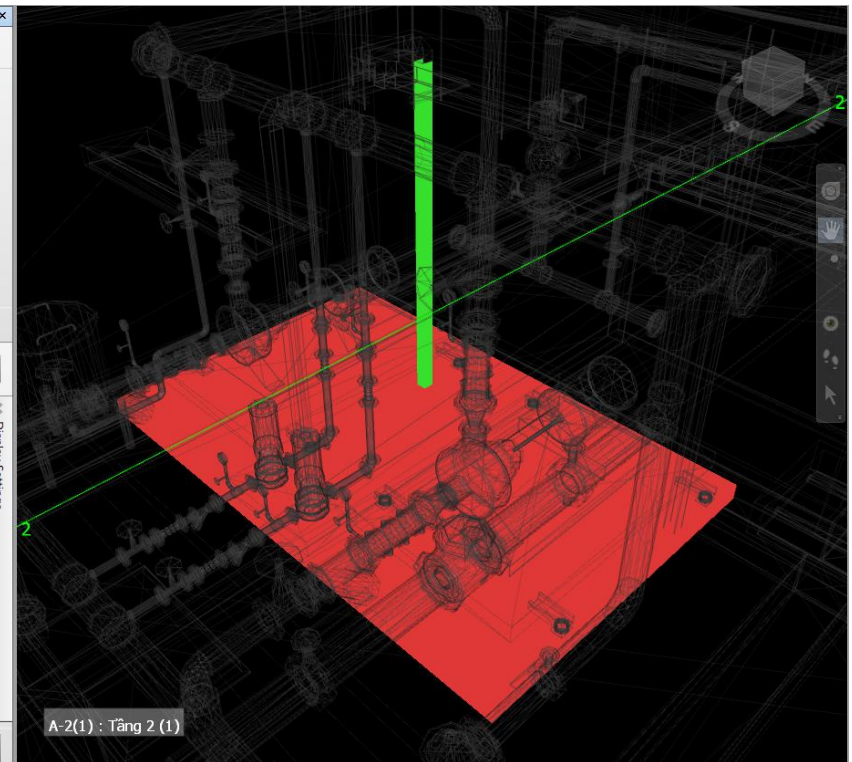
Buttons: Add Test, Reset All, Compact All, Delete All, Update All

Rules | Select | Results | Report

[New Group] [Assign] [Re-run Test]

Name	Status	Level	Grid Intersection	Found	Approved...	Approved
Clash1	New	Tầng 1	B(-1)-1(2)	18:51:24 30-11-2015		
Clash2	New	Tầng 1	B(-2)-1(2)	18:51:24 30-11-2015		
Clash3	New	Tầng 1	B(-1)-2(-1)	18:51:24 30-11-2015		
Clash4	New	Tầng 1	B(-2)-1(2)	18:51:24 30-11-2015		

Items



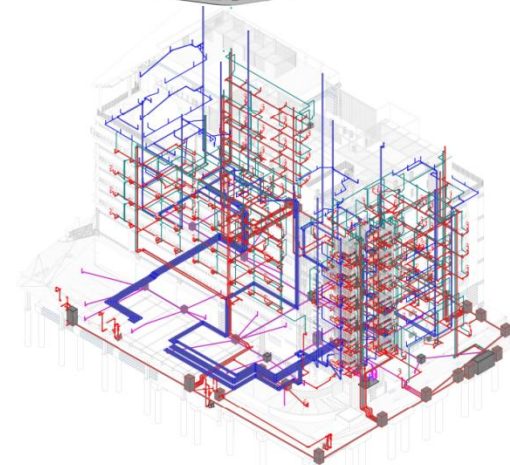
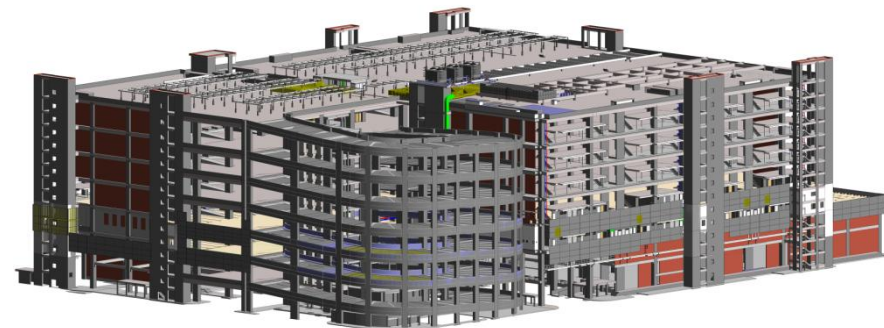
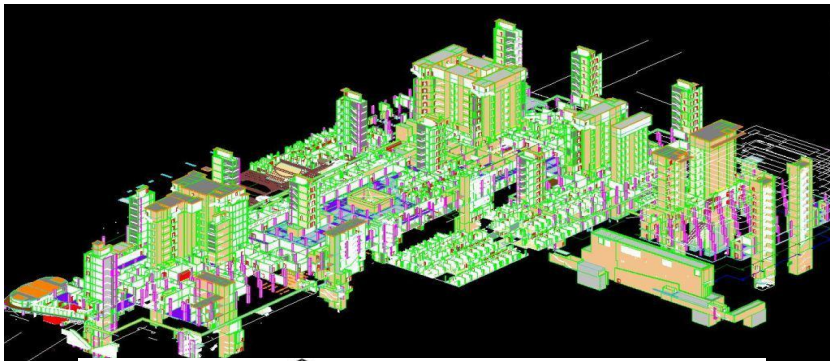
Check clashes

Prevent delays and disputes over work for all of the system clash was resolved on the model before the actual installation.



Our experience in building MEP modeling is growing more and more and we have done a series of 3D MEP modeling projects following:

- Hospitals, Airport.
- Industrial Building, Factory
- Office building, High stories buildings...



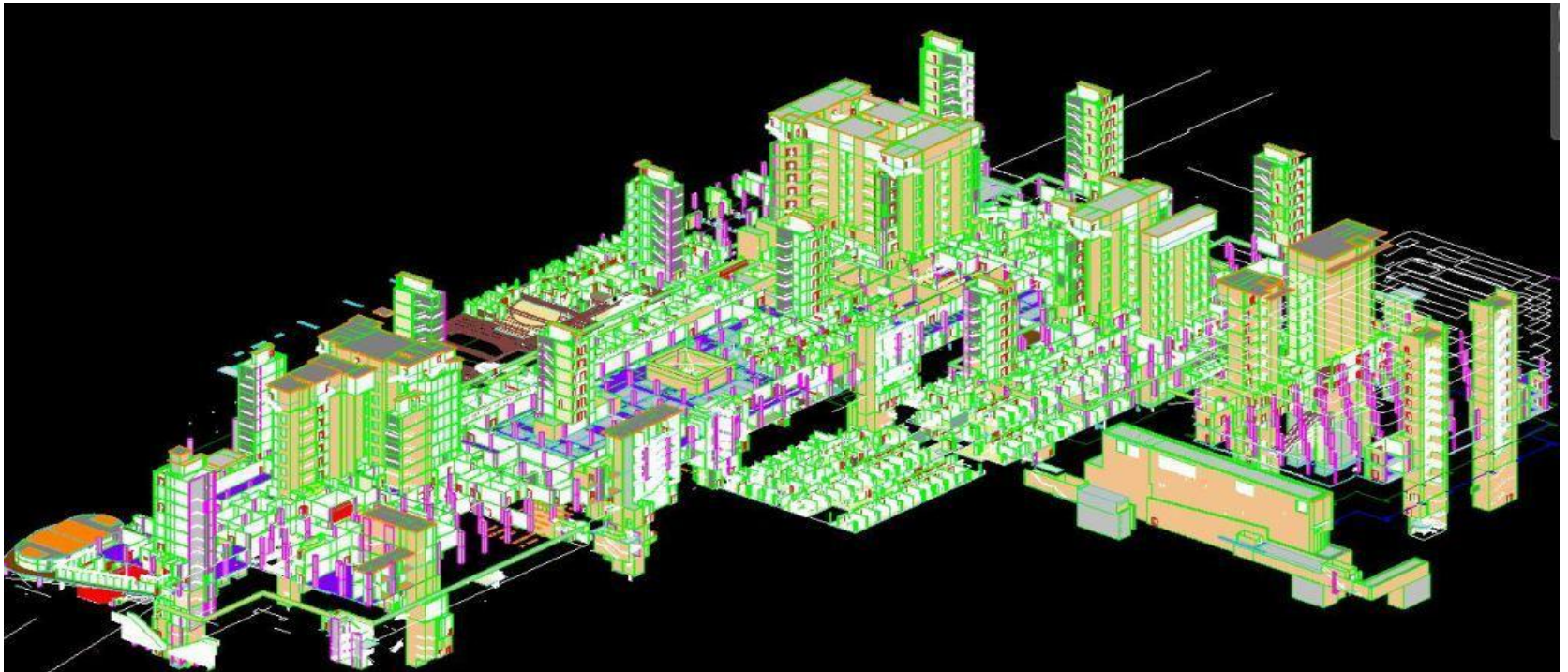
Highlight Projects

SENG KANG HOSPITAL

Owner : Ministry of Health College of Medicine BLDG

Location : Senkang East way/ Senkang East Road/ anchorvale Street (Senkang Planning area), Singapore

Description: An integrated Regional hospital, a community hospital and specialist outpatient clinics on lot 02019N PT & 02466A PT MK21

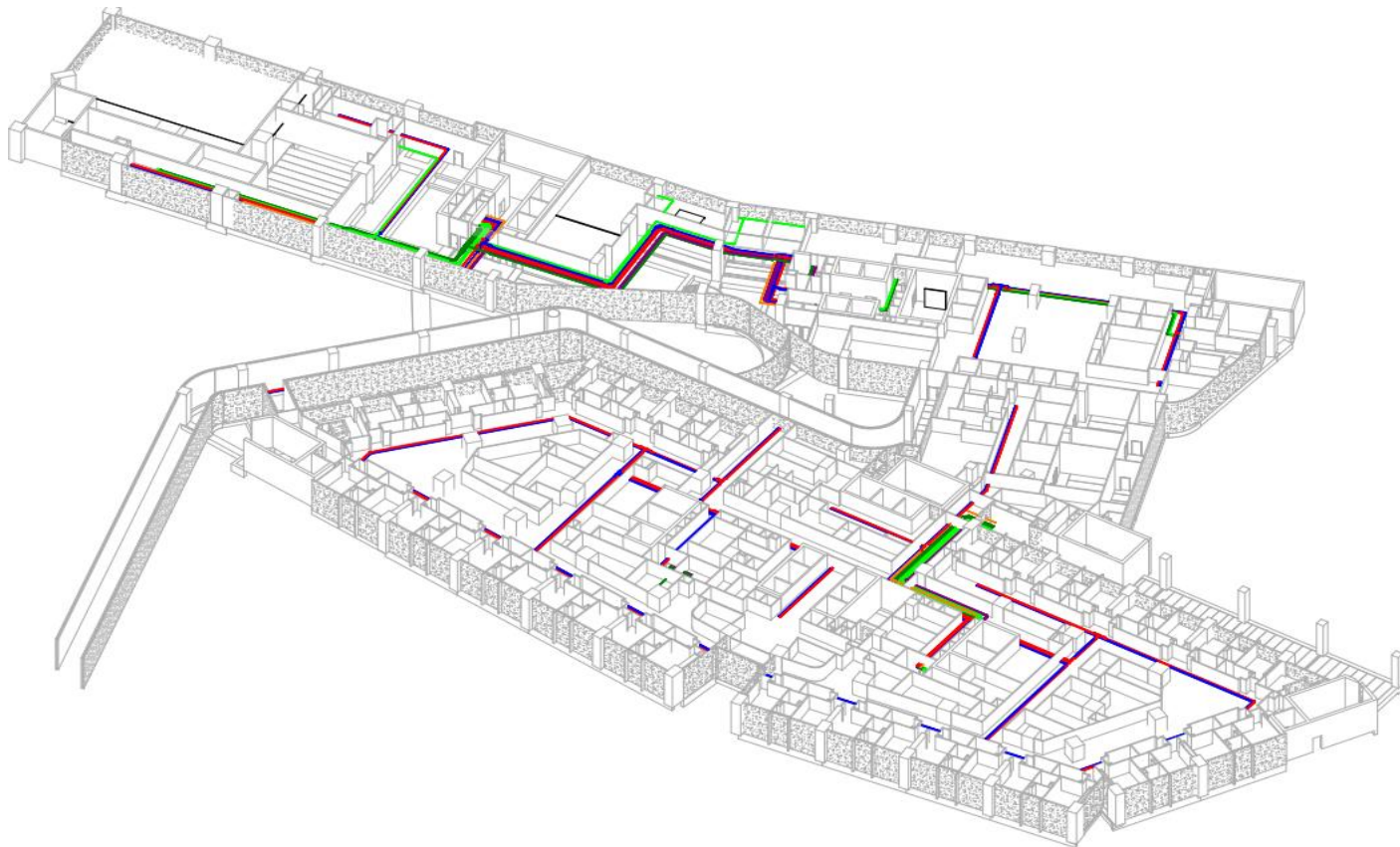


TTSH HOSPITAL

Owner : Ministry of Health College of Medicine Building

Location : Jalan Tan Tock Seng, Singapore

Description: Proposed erection of national centre for injection disease, centre for health care innovation with basements and ancillary works

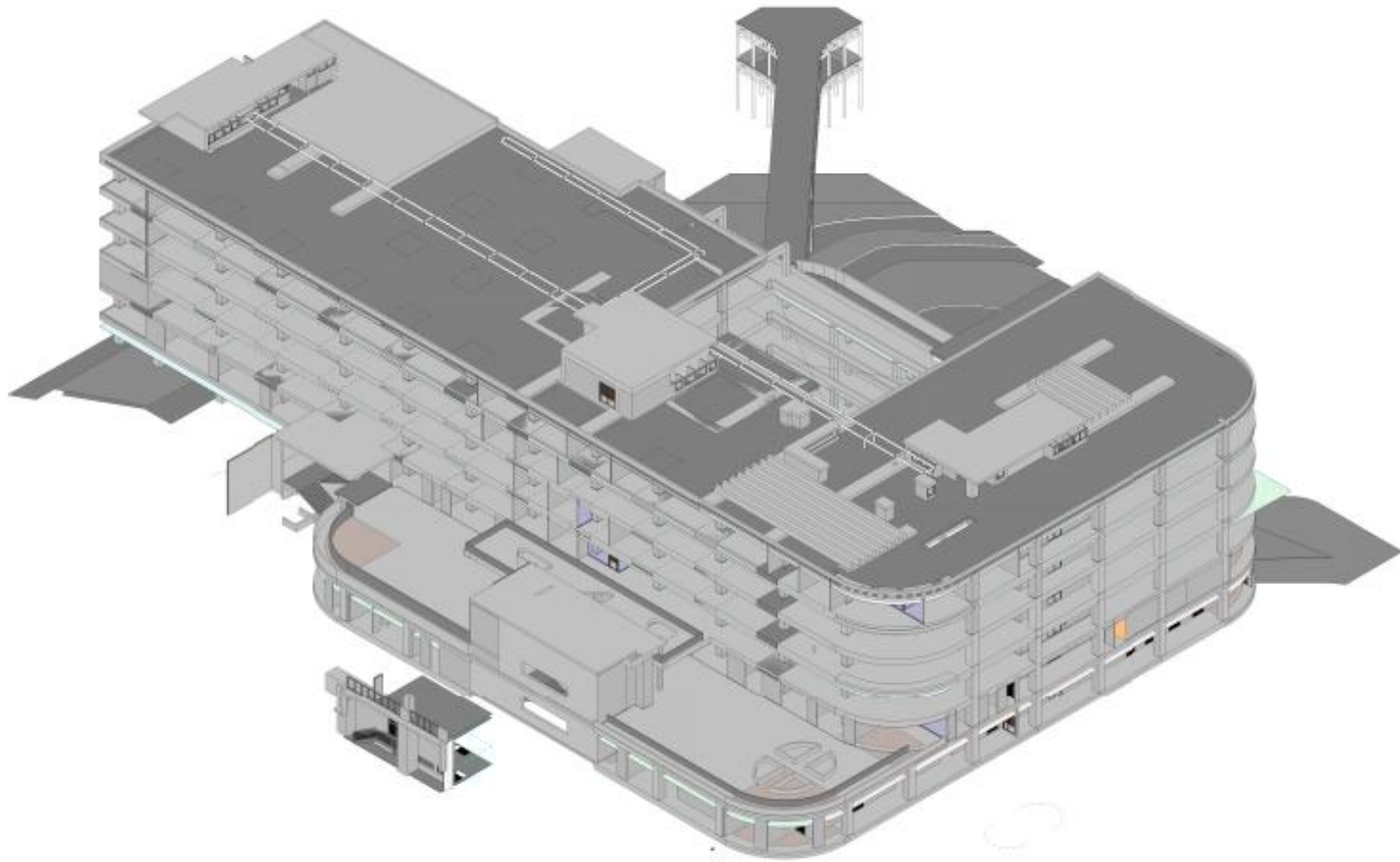


Changi Medical Center (CMC)

Owner : Ministry of Health College of Medicine Building

Location : Semei Street 3 (Tampines)

Description: 8-storey Medical centre cum administration office with basement carparks for Changi general hospital on lot 06894M KM

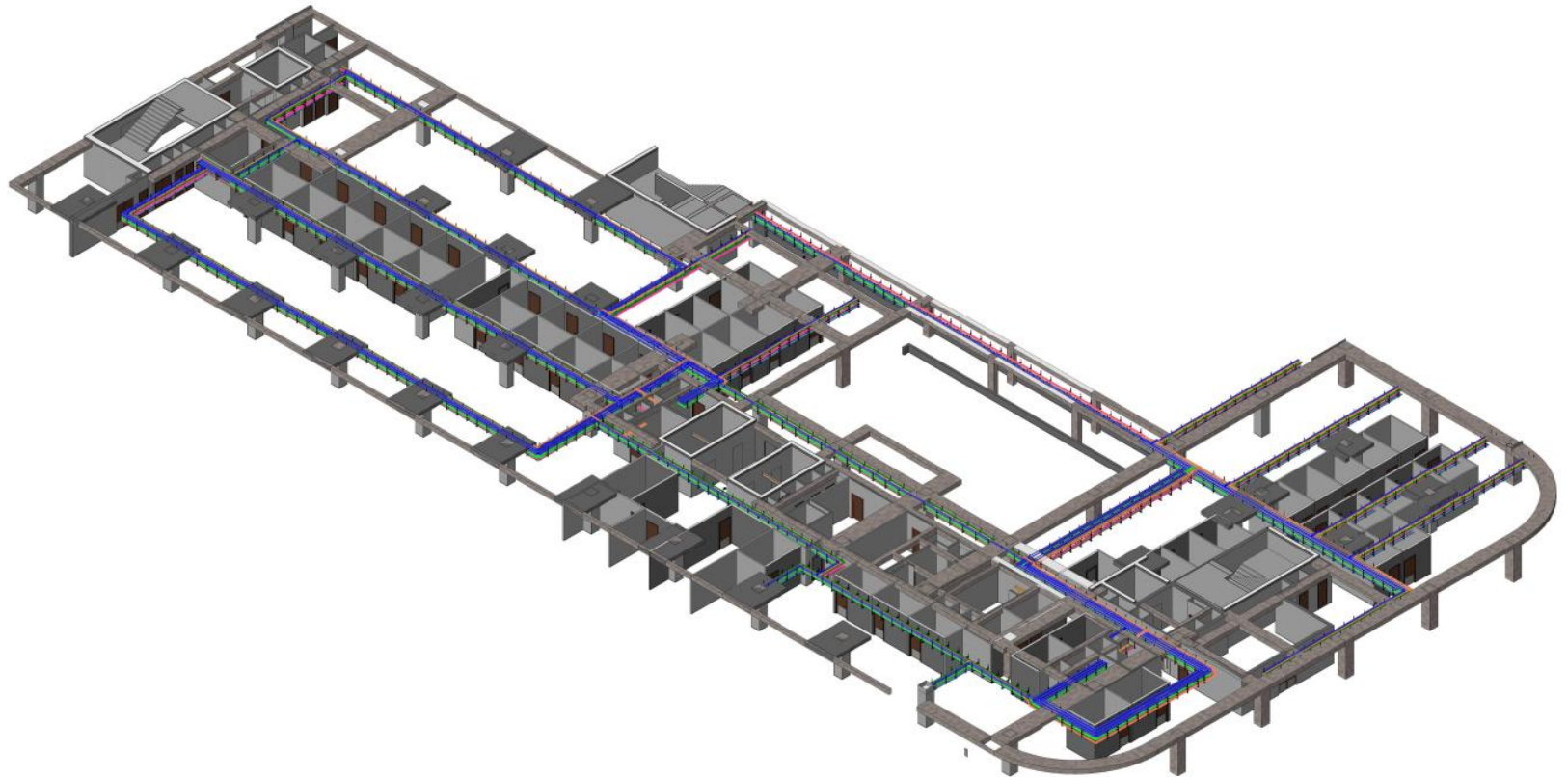


Changi Medical Center (CMC)

Owner : Ministry of Health College of Medicine Building

Location : Simei Street 3 (Tampines)

Description: 8-storey Medical centre cum administration office with basement carparks for Changi general hospital on lot 06894M KM

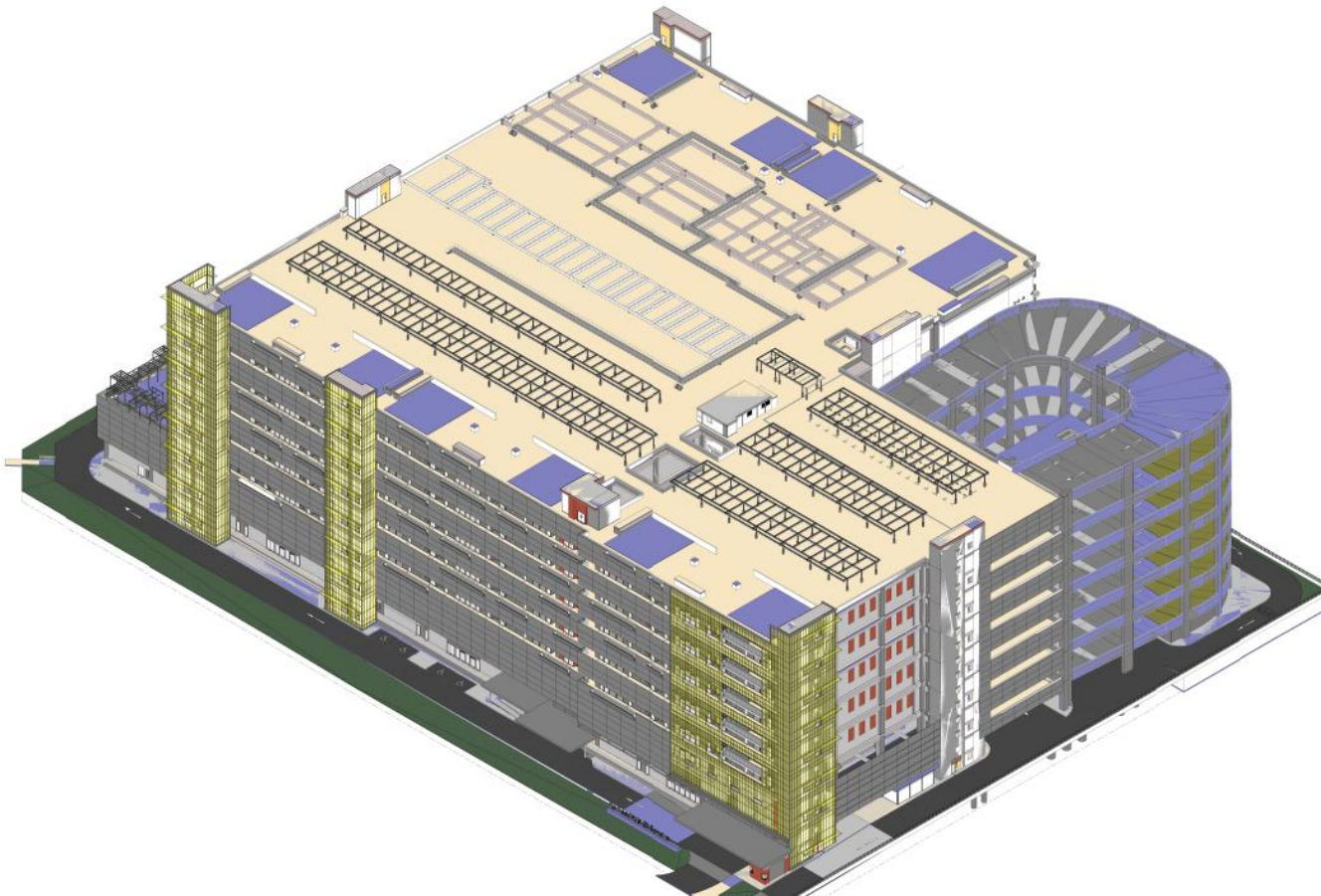


FOOD HUB

Owner : JTC Corporation

Location : Senoko Drive (Sembawang Planning area)

Description: Proposed erection of a food hub comprising a block of 7-storey multiple - user warehouse - factory building (total 50 units of factory and 1 unit of warehouse)

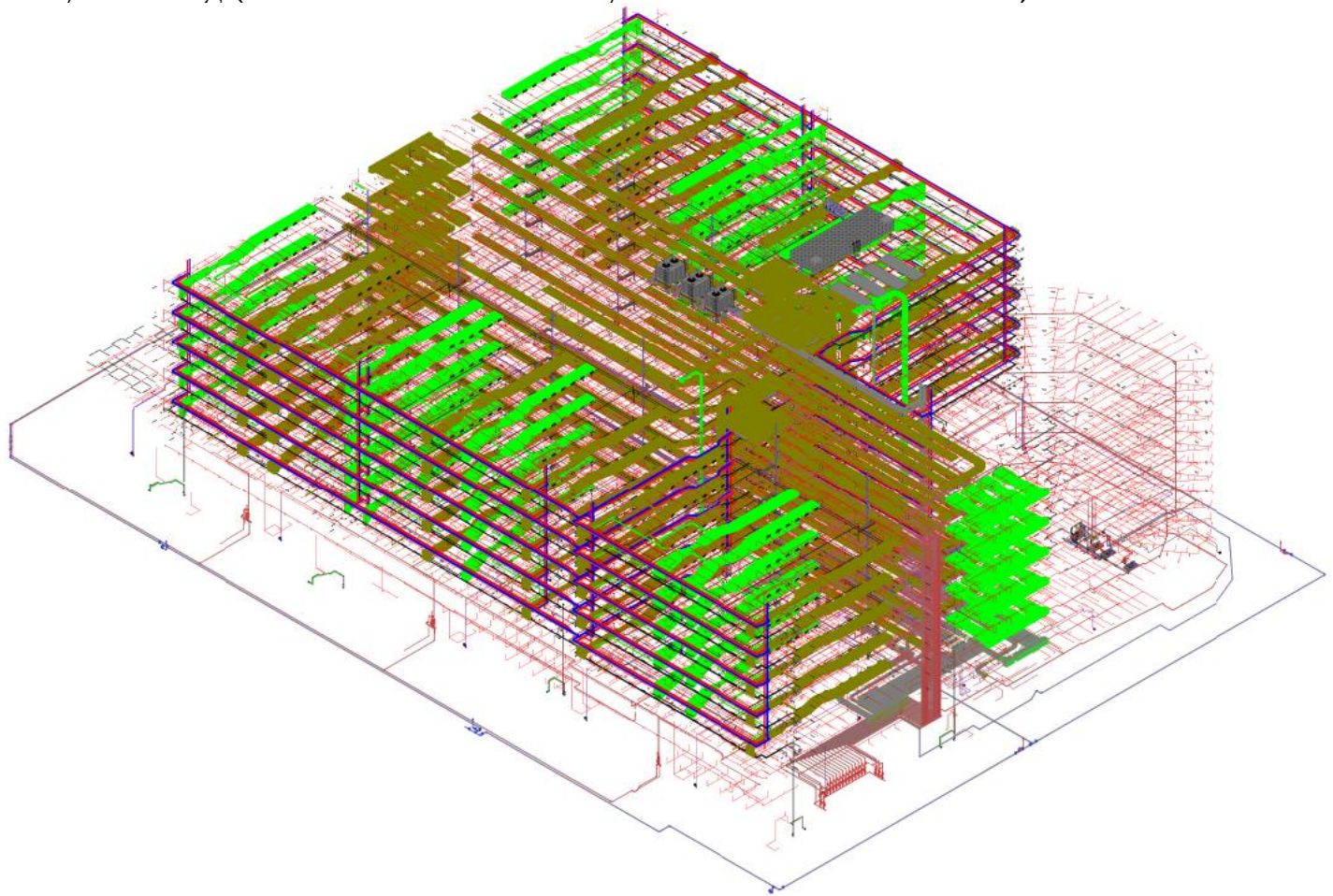


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TAISENG

Owner : Mapletree Trustee PTE LTD

Location : Tai Seng Street (Hougang South Planning area), Singapore

Description: A multi-users 9 storey- Business 2 Industrial Building with 2 basement levels and commercial use (white) on 1st storey and basement 1 lots 7266P MK23, Subterranean Lot 80014L MK24 & Vehicular Bridge LOT 70001C MK 24

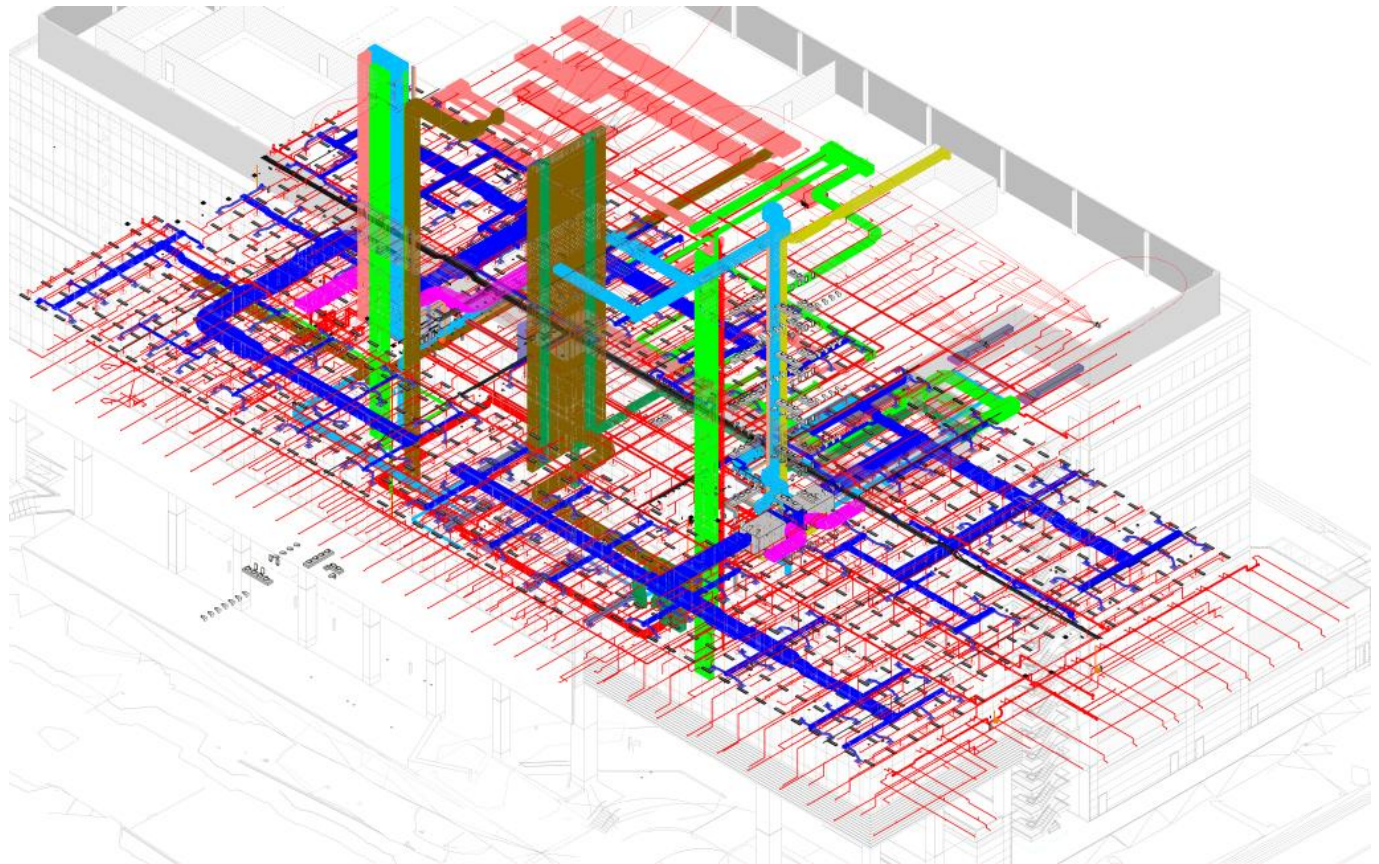


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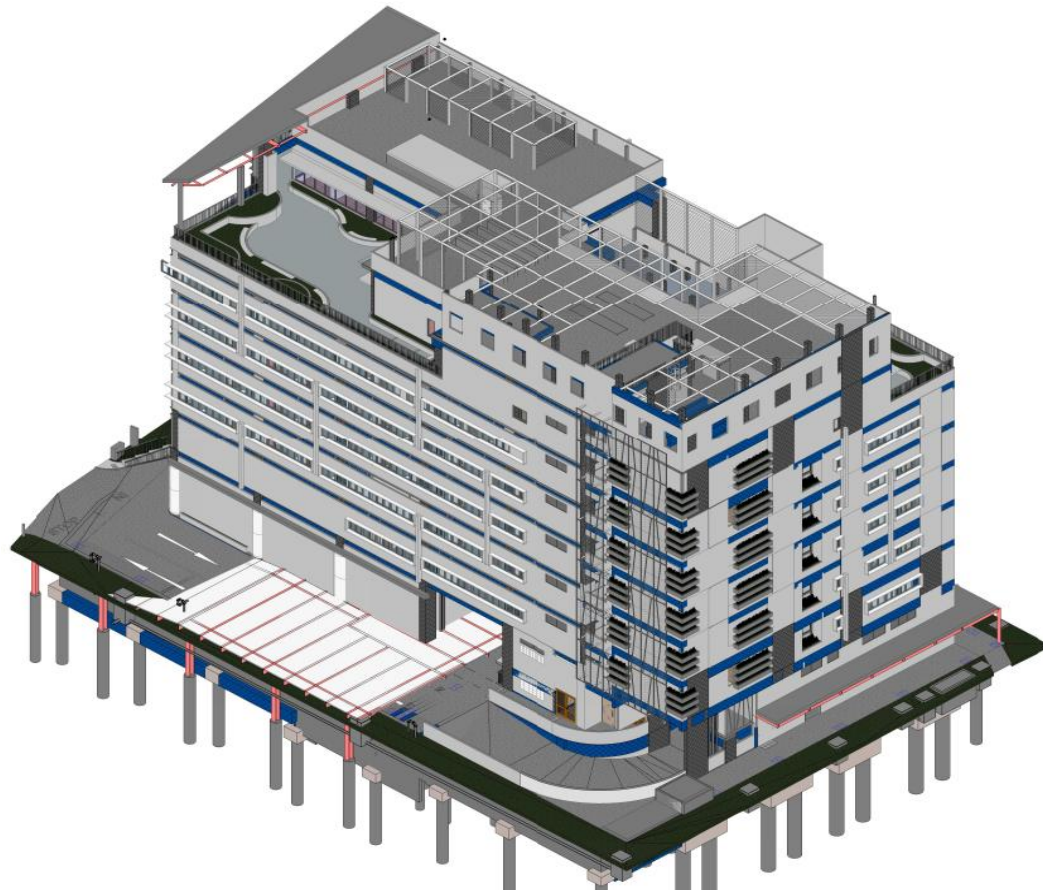


POLYCLINIC

Owner : Ministry of Health College of Medicine Building

Location : Jurong West street 61, Singapore

Description: Pioneer Polyclinic

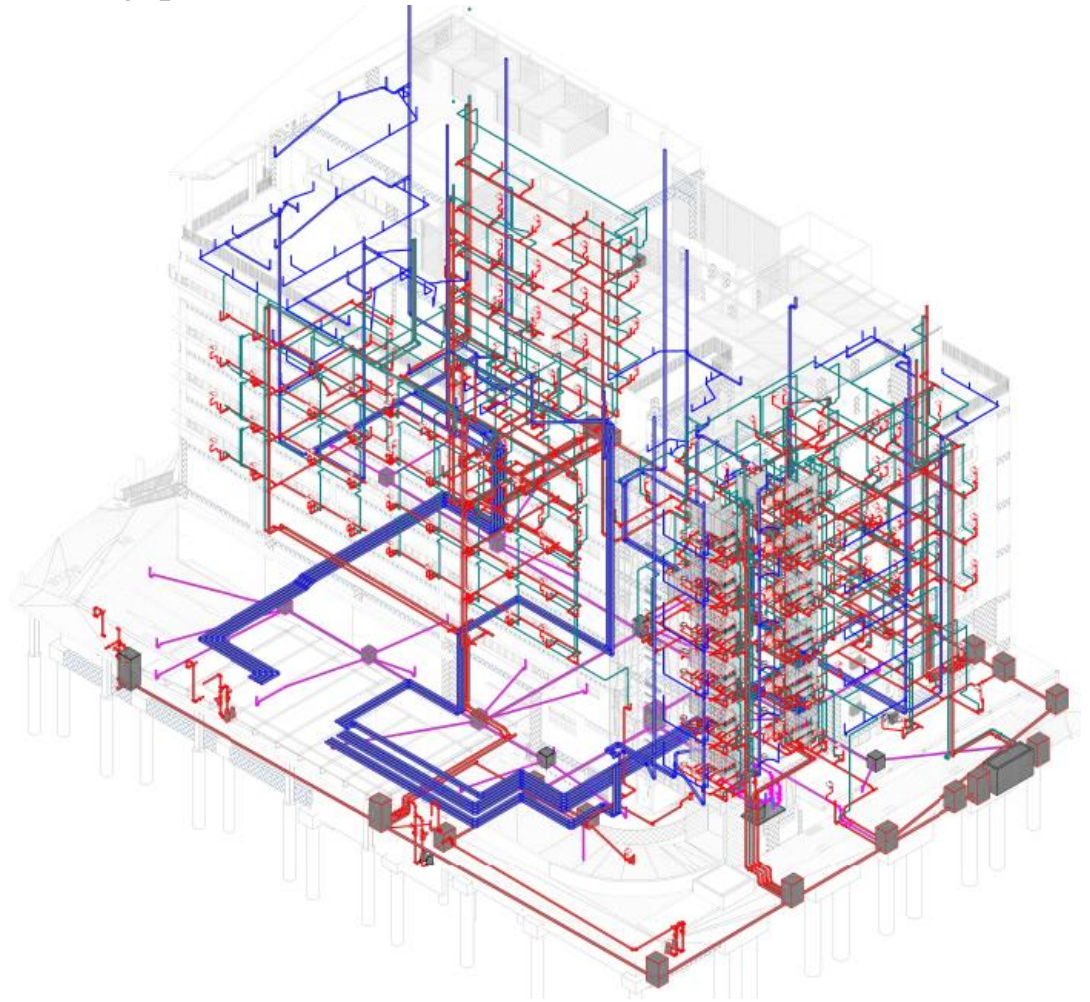


POLYCLINIC

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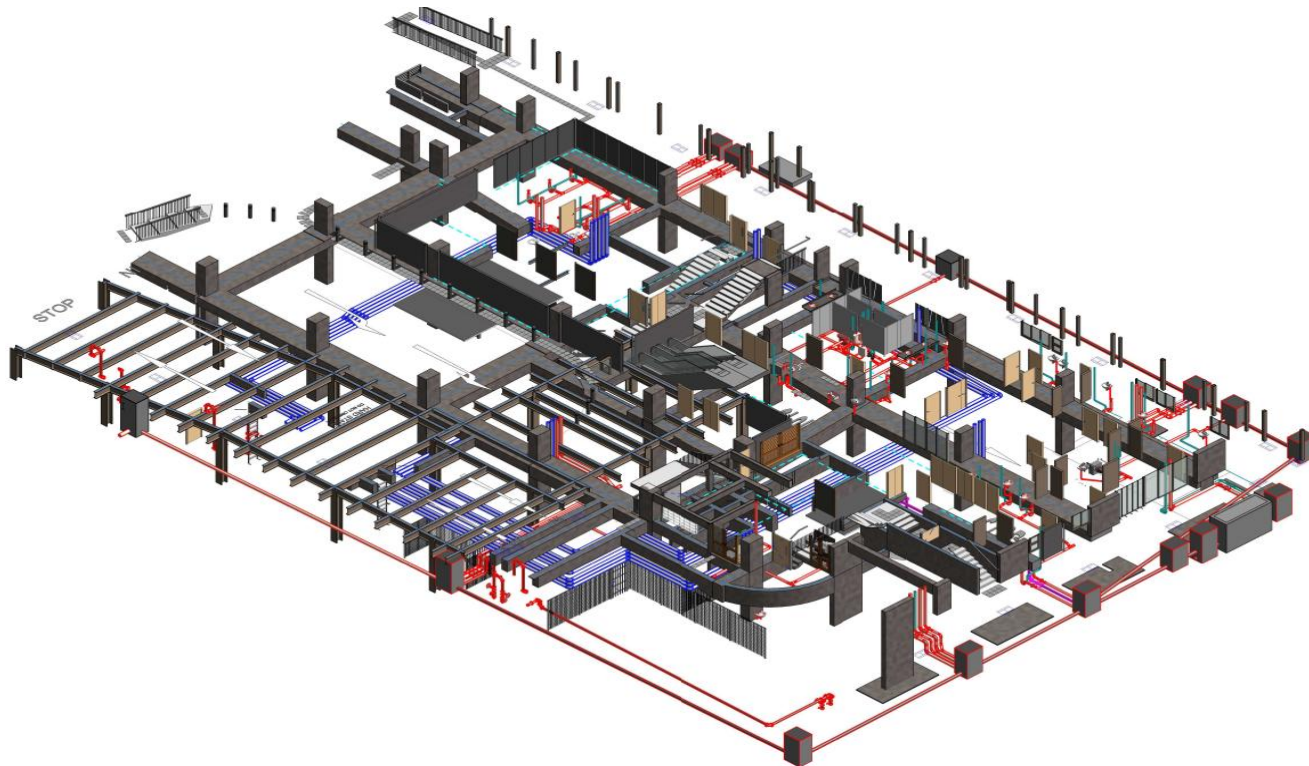


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Owner : Ministry of Health College of Medicine Building

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Description: Pioneer Polyclinic



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Tel: (84-8) 7309.5969 Fax: (84-8) 7309.5969

Website: <http://www.mtccvn.com>