

Application Case Study Trade & Industrial Tower

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plannerly
The BIM Management Platform



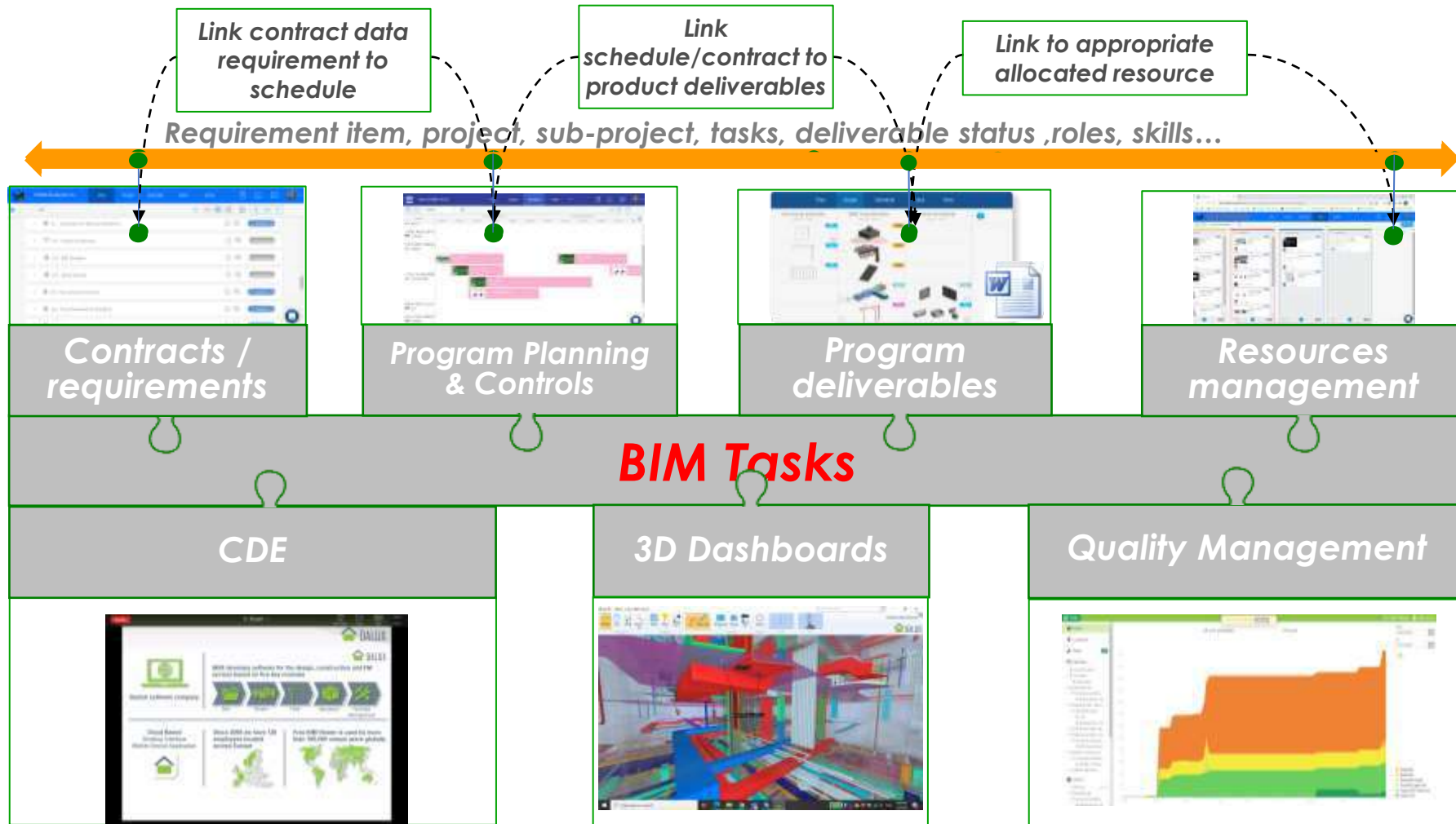
DALUX



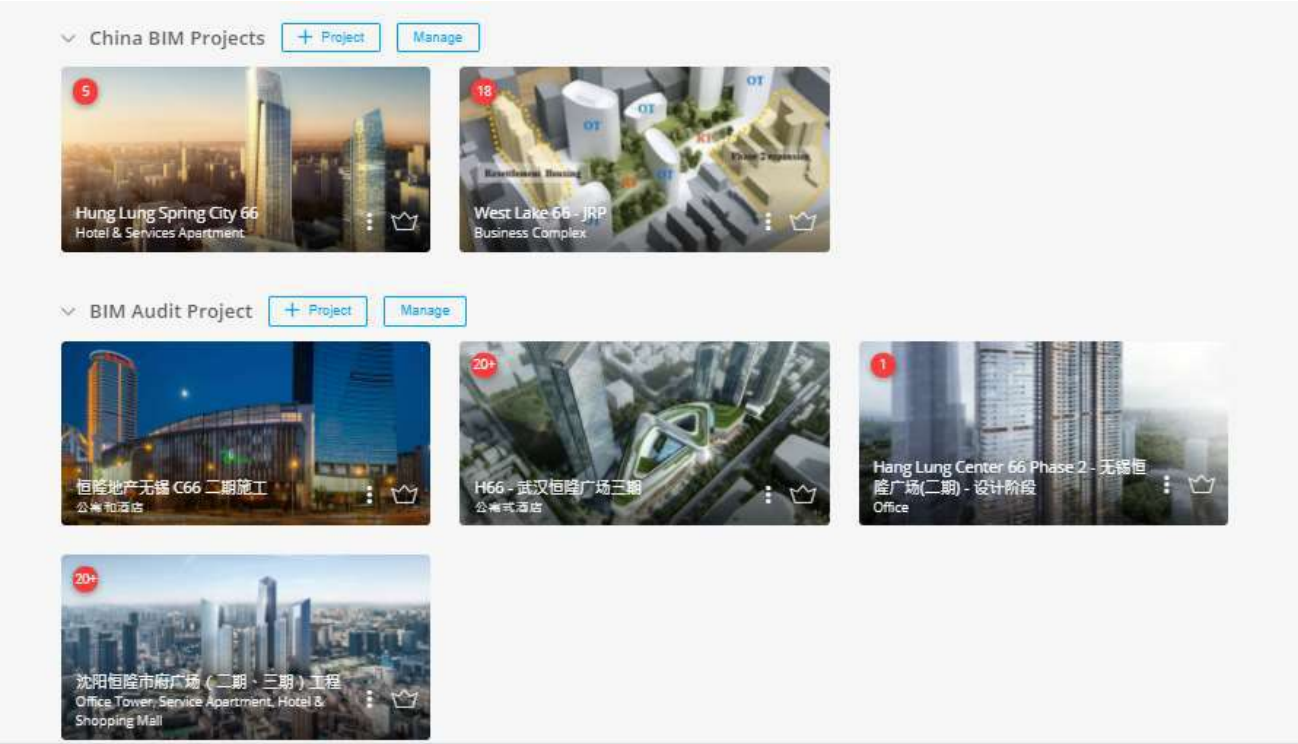
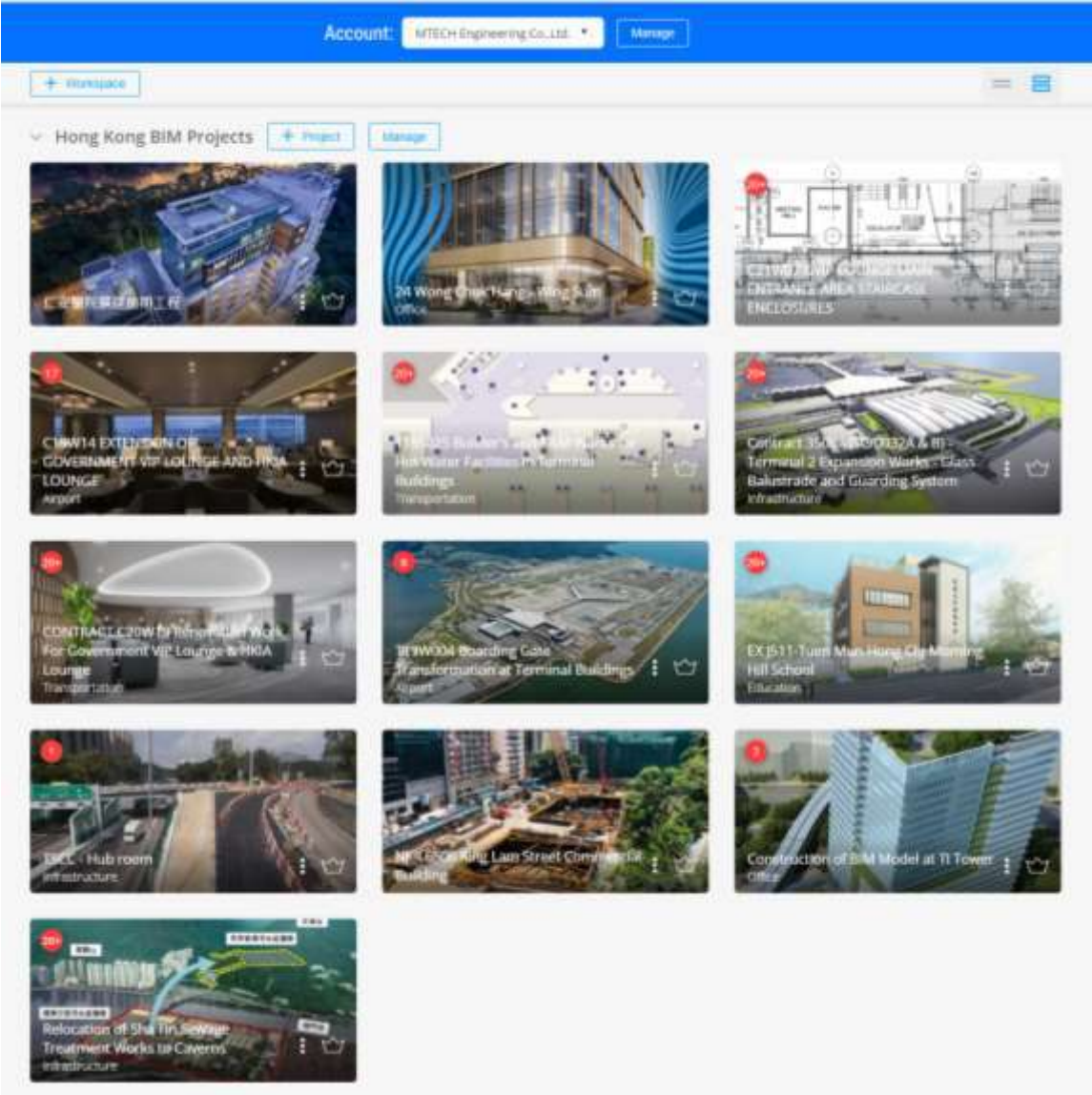
Our 1st BIM Project in 2003

BIM Project Management Architecture

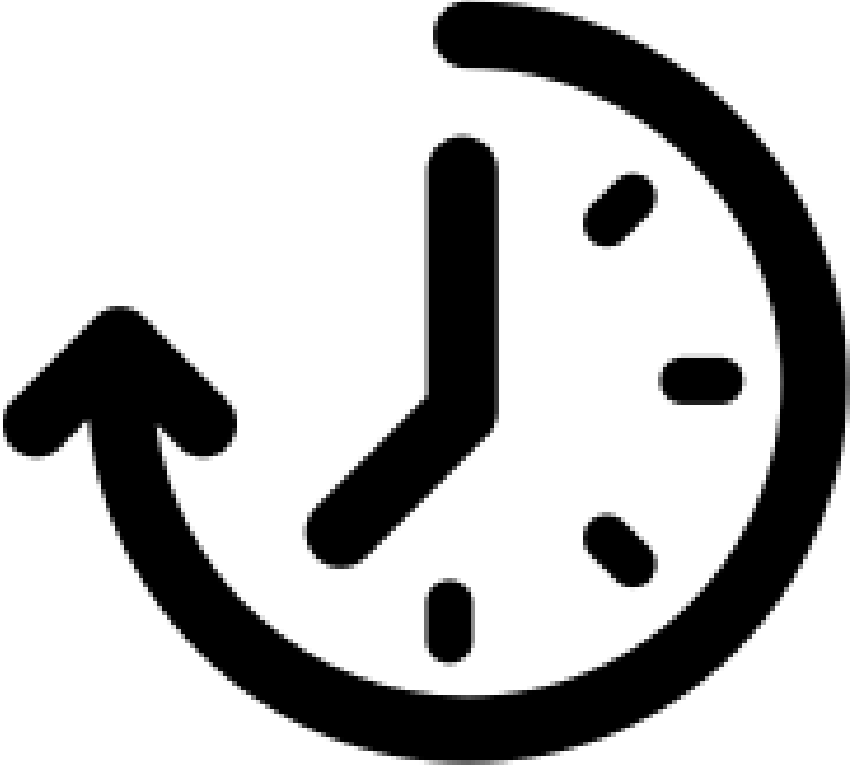
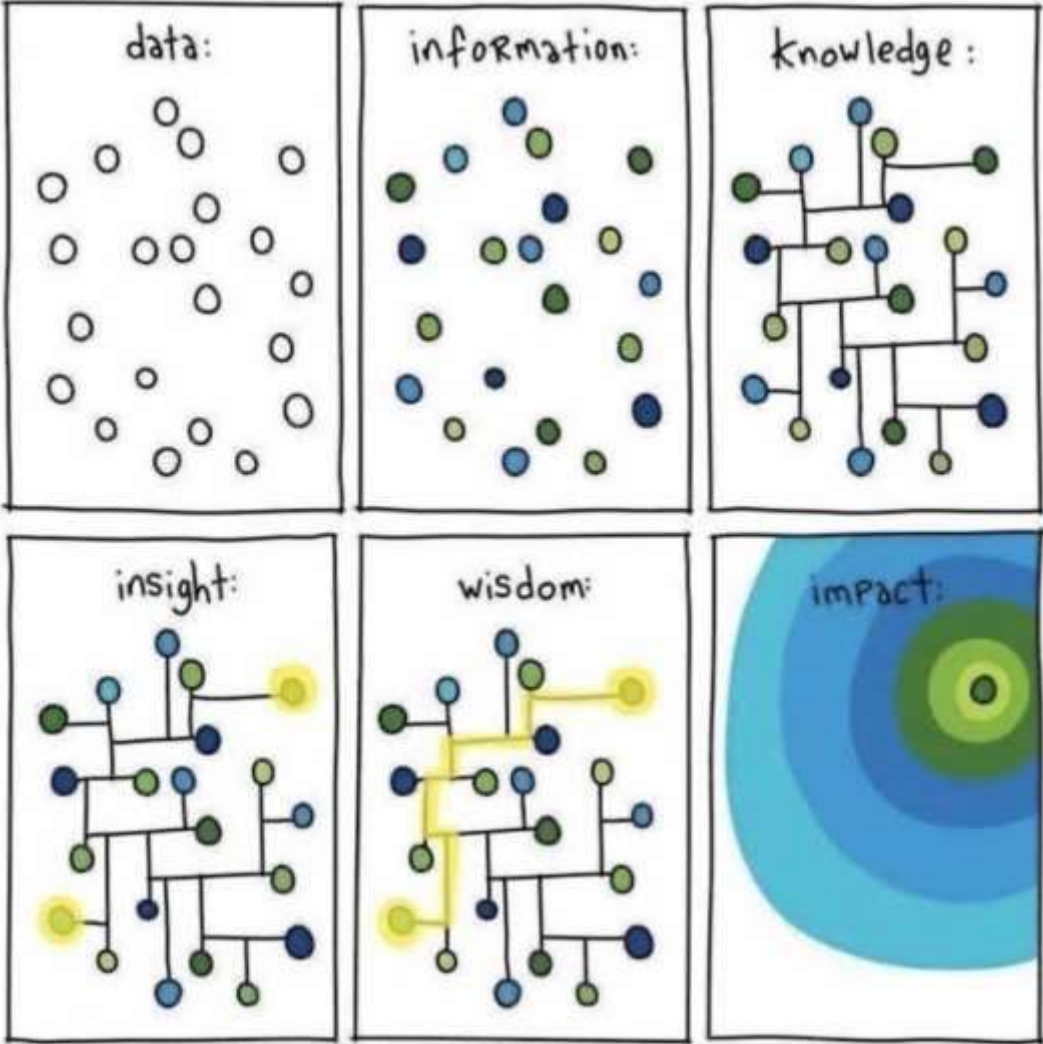
Real time monitoring of program activities with cross-functional process integration



Current MTECH Running BIM Projects

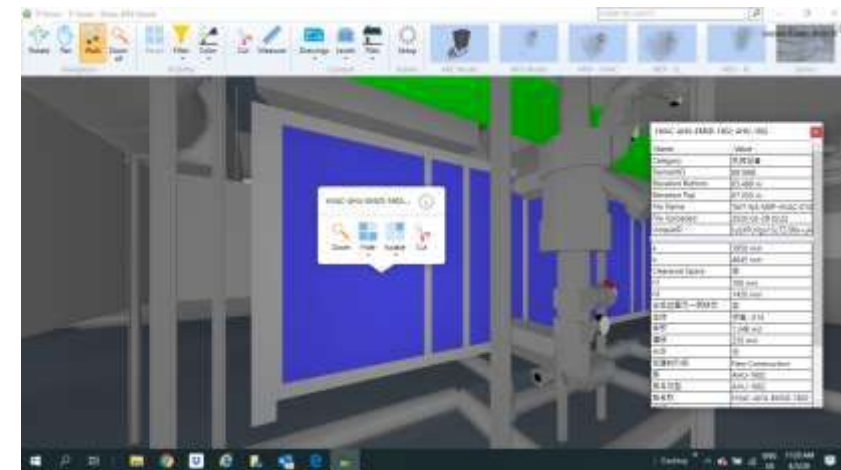
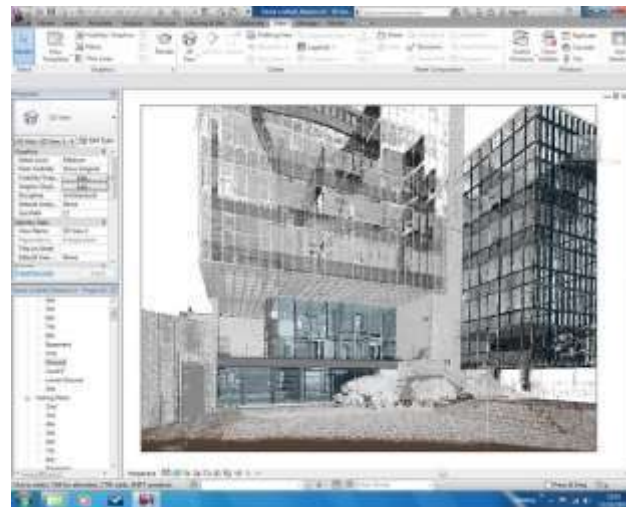


The Challenges of BIM Project Execution



TI TOWER – As-Built for Plant Rooms

Create the digital and connect with the EMSD In-house Asset Information Maintenance System to facilitate the Digital FM.



Project Background

To exploit BIM for O&M stage, EMSD realized the concept of digital twin by implementing BIM-AM system.

Trade and Industry Tower (TI Tower) is selected as one of the government existing buildings that had completed in Kai Tak Development Area in 2015 without using BIM in the design & construction stage.

This project aims to re-build the TI Tower As-Built BIM model and integrated with the EMSD in-house developed BIM-AM System to create Digital Twin for sustainable building operation and maintenance.

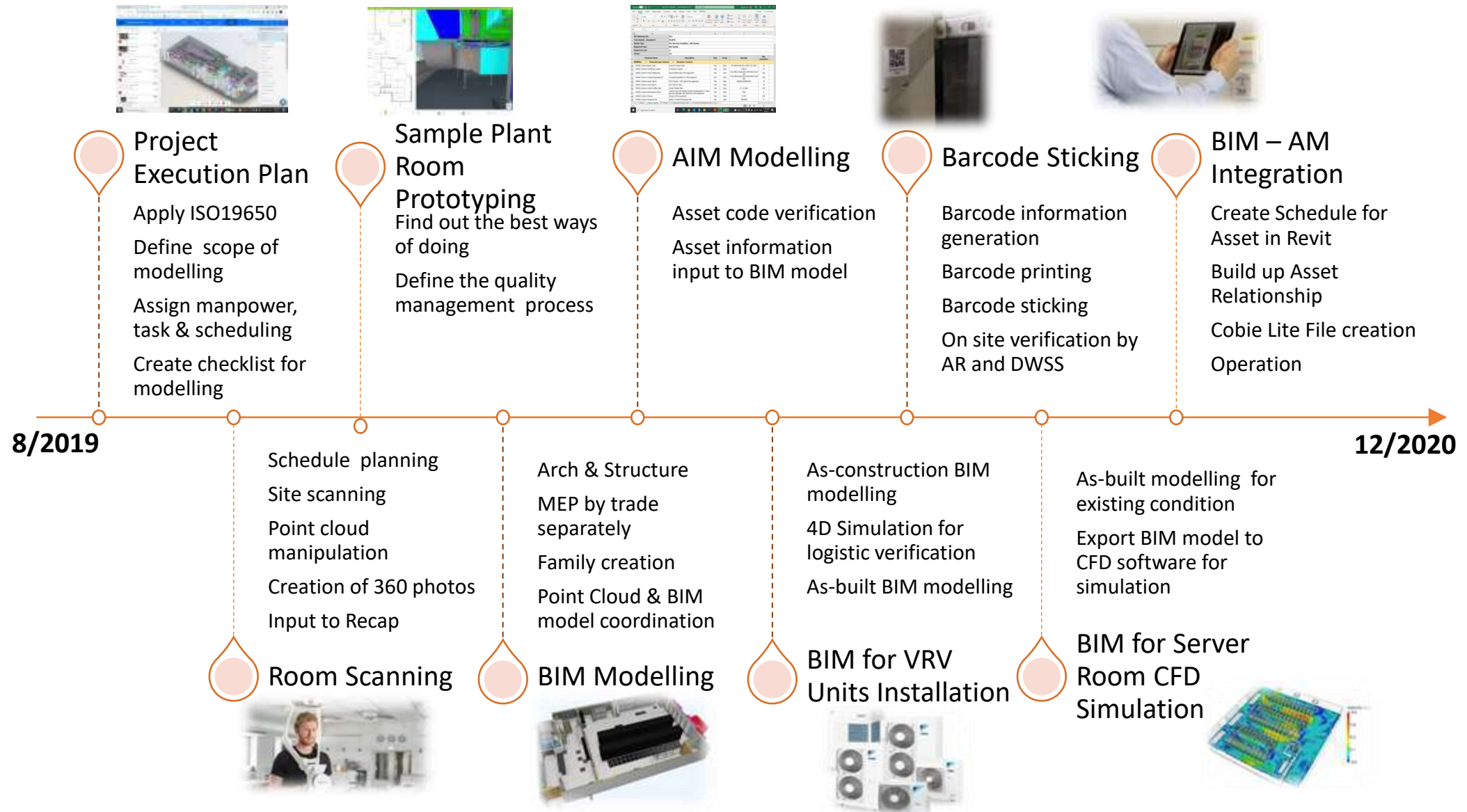
The TI Tower has a construction floor area of about 66,600m², which consists of 22 storeys above ground and a single storey basement at 3 Concorde Rd, Kai Tak, Kowloon, Hong Kong.

The As-built BIM will cover the architecture, structure and facade of the whole building and all plant room area:

- No. of plant rooms: 175
- Total area: 8330m²



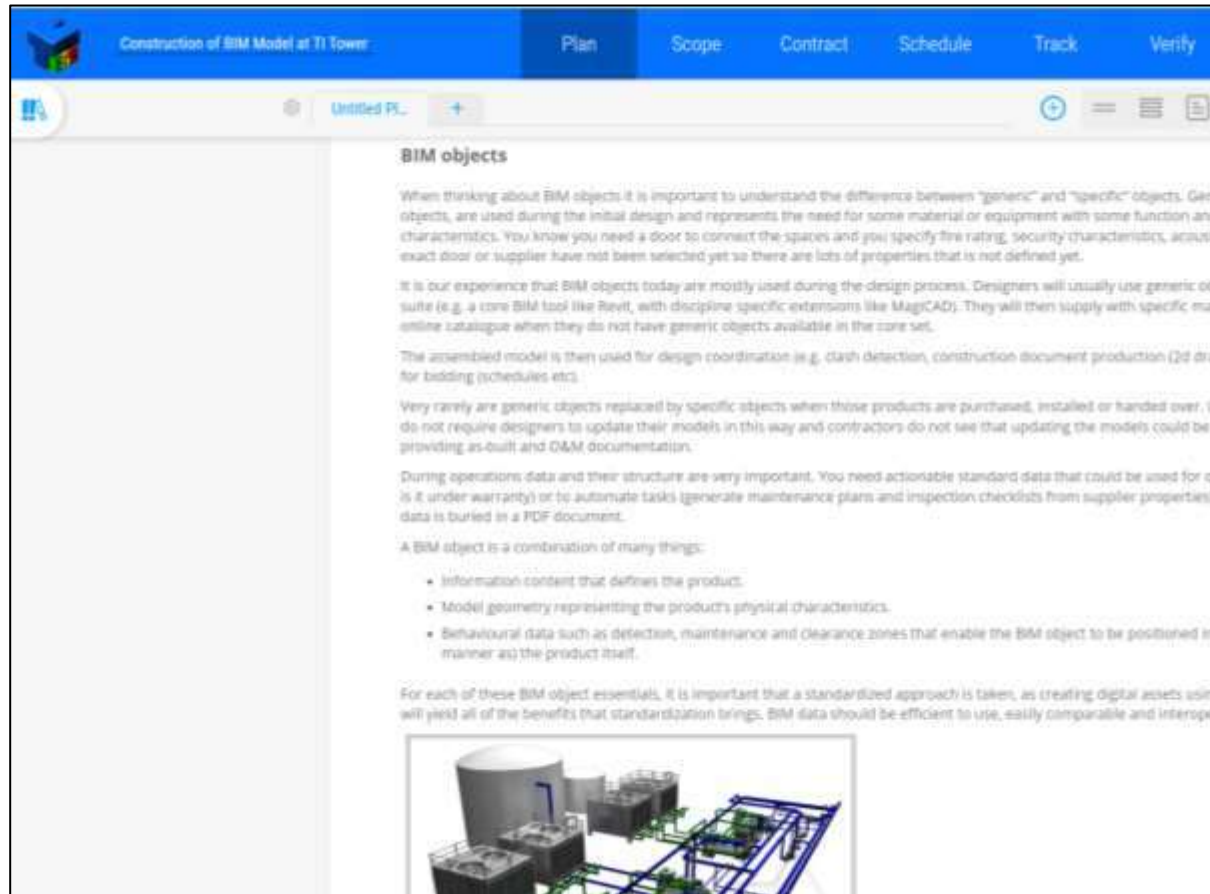
Scope Of Work and Process



Plan – On Line BXP

The screenshot displays a software interface for a project titled "Construction of BIM Model at TI Tower". The main navigation bar includes tabs for "Plan", "Scope", "Contract", "Schedule", "Track", and "Verify". The "Plan" tab is active, showing a hierarchical tree structure. The left sidebar lists the main sections: 1 Project information, 2 BIM Uses, 3 Process, 4 Deliverables, 5 Quality & Safety Management, 6 BIM Protocol, 7 Technology, and 8 Reference Information. The "Process" section (3) is expanded, showing a list of tasks: 3.1 3D laserscanning of building interiors, 3.2 BIMModelling from the Scanned Cloud Point Data, 3.3 Improvethemodel accuracy by on site photo taking, 3.4 BIM Object Library Creation for Asset Management, 3.5 QCProcess, 3.6 Meeting Schedule, 3.7 Model Delivery Schedule of Information Exchange for Submission and Approval, and 3.8 Collaboration Procedures. Each task has a "PUBLISHED" button and a comment icon. The interface also features a top navigation bar with icons for download, notifications, help, and user profile, and a bottom right corner with a chat icon.

Specific BIM Use – Creation of Object Family for Asset Management & 3D Scanning



Construction of BIM Model at TI Tower

Plan Scope Contract Schedule Track Verify

Untitled PL...

BIM objects

When thinking about BIM objects it is important to understand the difference between "generic" and "specific" objects. Generic objects are used during the initial design and represents the need for some material or equipment with some function and characteristics. You know you need a door to connect the spaces and you specify fire rating, security characteristics, acoustic exact door or supplier have not been selected yet so there are lots of properties that is not defined yet.

It is our experience that BIM objects today are mostly used during the design process. Designers will usually use generic object suite (e.g. a core BIM tool like Revit, with discipline specific extensions like MagiCAD). They will then supply with specific material online catalogue when they do not have generic objects available in the core set.

The assembled model is then used for design coordination (e.g. clash detection, construction document production (2d drawings for bidding (schedules etc).

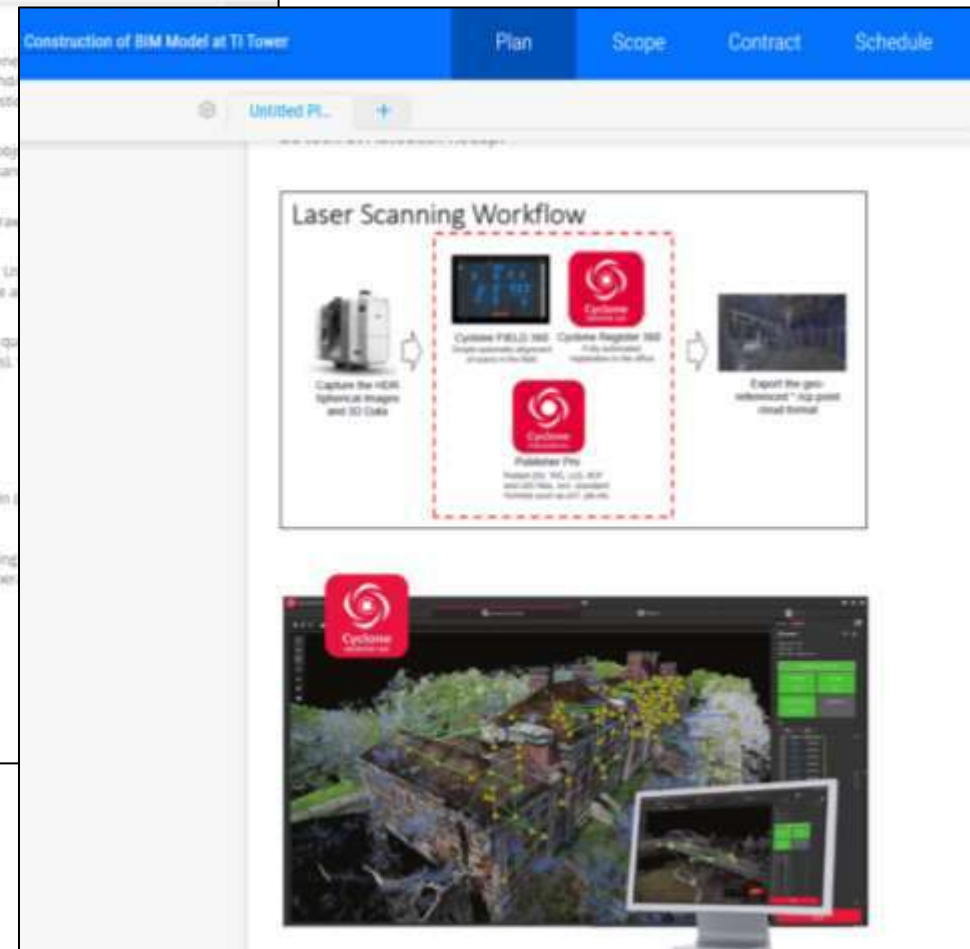

Very rarely are generic objects replaced by specific objects when those products are purchased, installed or handed over. Users do not require designers to update their models in this way and contractors do not see that updating the models could be a providing as-built and O&M documentation.

During operations data and their structure are very important. You need actionable standard data that could be used for quality control (is it under warranty) or to automate tasks (generate maintenance plans and inspection checklists from supplier properties). data is buried in a PDF document.

A BIM object is a combination of many things:

- Information content that defines the product.
- Model geometry representing the product's physical characteristics.
- Behavioural data such as detection, maintenance and clearance zones that enable the BIM object to be positioned in a manner as the product itself.

For each of these BIM object essentials, it is important that a standardized approach is taken, as creating digital assets using will yield all of the benefits that standardization brings. BIM data should be efficient to use, easily comparable and interoperable.




Construction of BIM Model at TI Tower


Plan Scope Contract Schedule

Untitled PL...

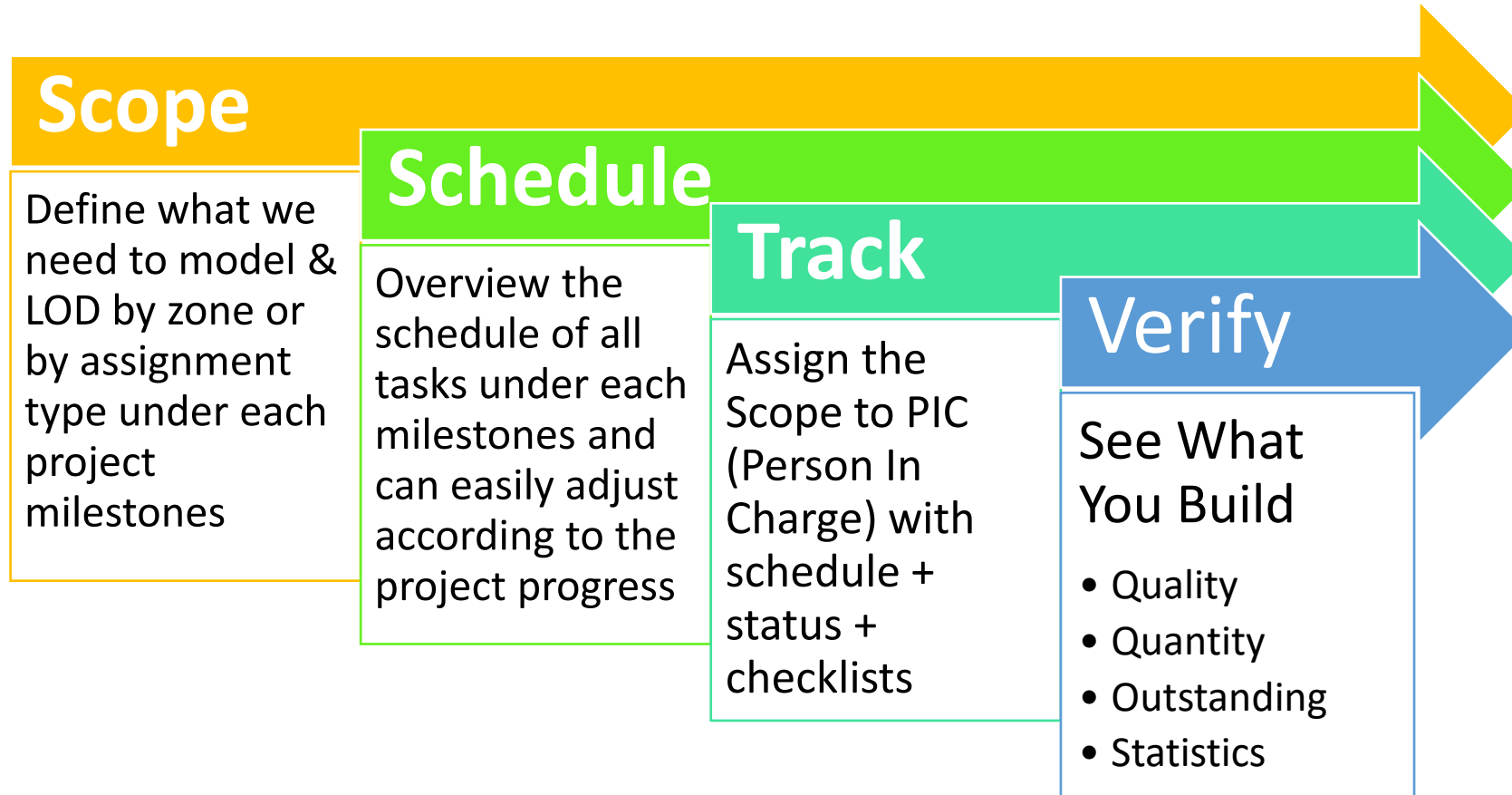
Laser Scanning Workflow



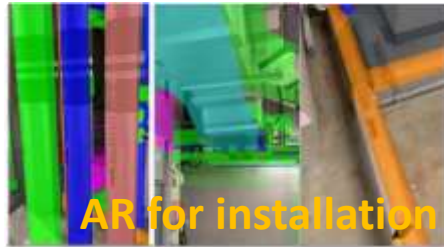
Export the geo-referenced "as-built" cloud model



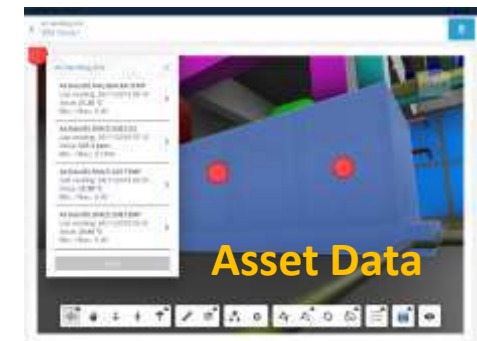
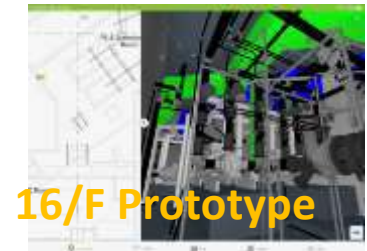
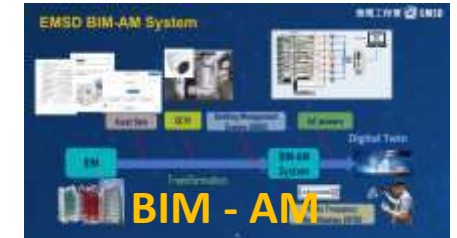
Logical Execution Mindset



Scope of Works

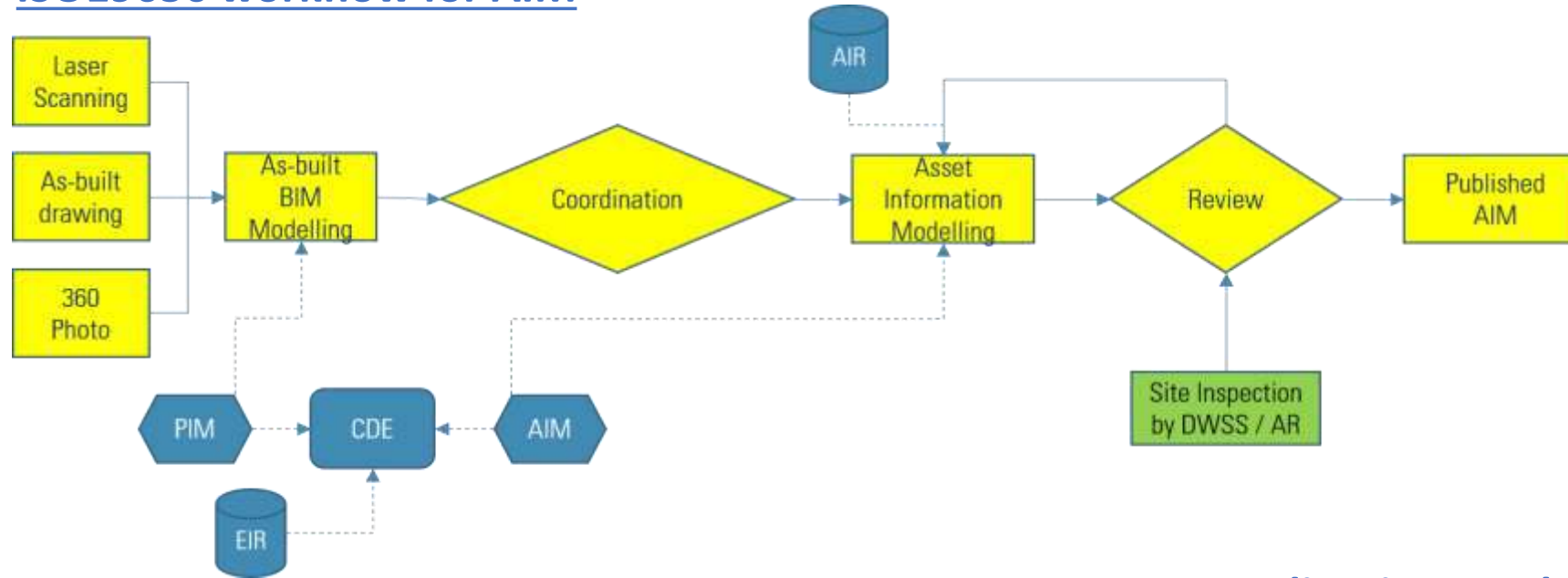


Scope	Design & Install of AC System	Initial Model	16/F Prototype	As-Build BIM Modelling	AIM
TI Tower Arch / Structure		X			
3D Laser Scanner		X	X		
Plant Rooms MEP Modelling					X
Asset family creation	X		X	X	X
Back Up AC System	X		X	X	
4D Logistic Simulation for Back Up AC System	X			X	
Project progress meeting	X		X	X	X
BIM Workshop	X		X	X	X
Coordination Meeting	X		X	X	X

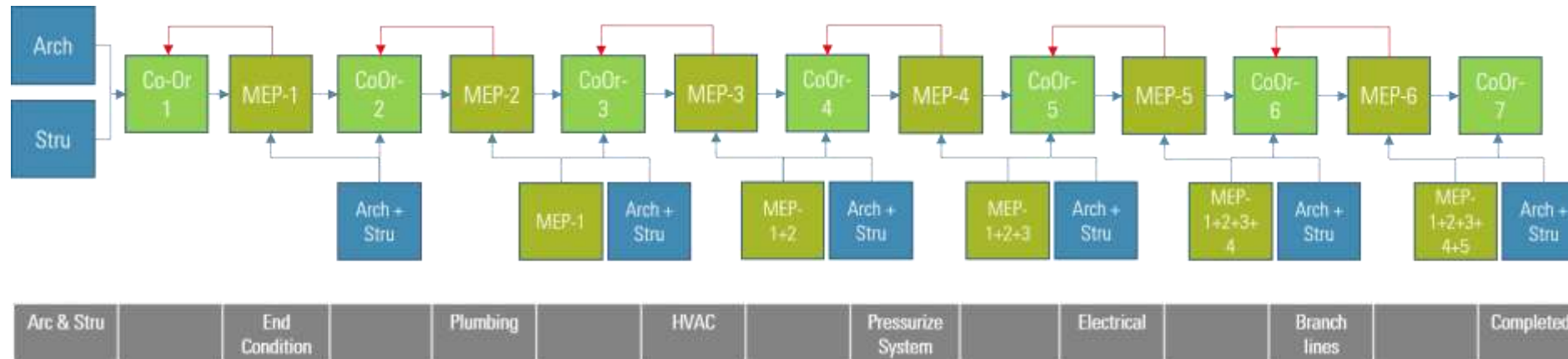


BIM Workflow & Coordination

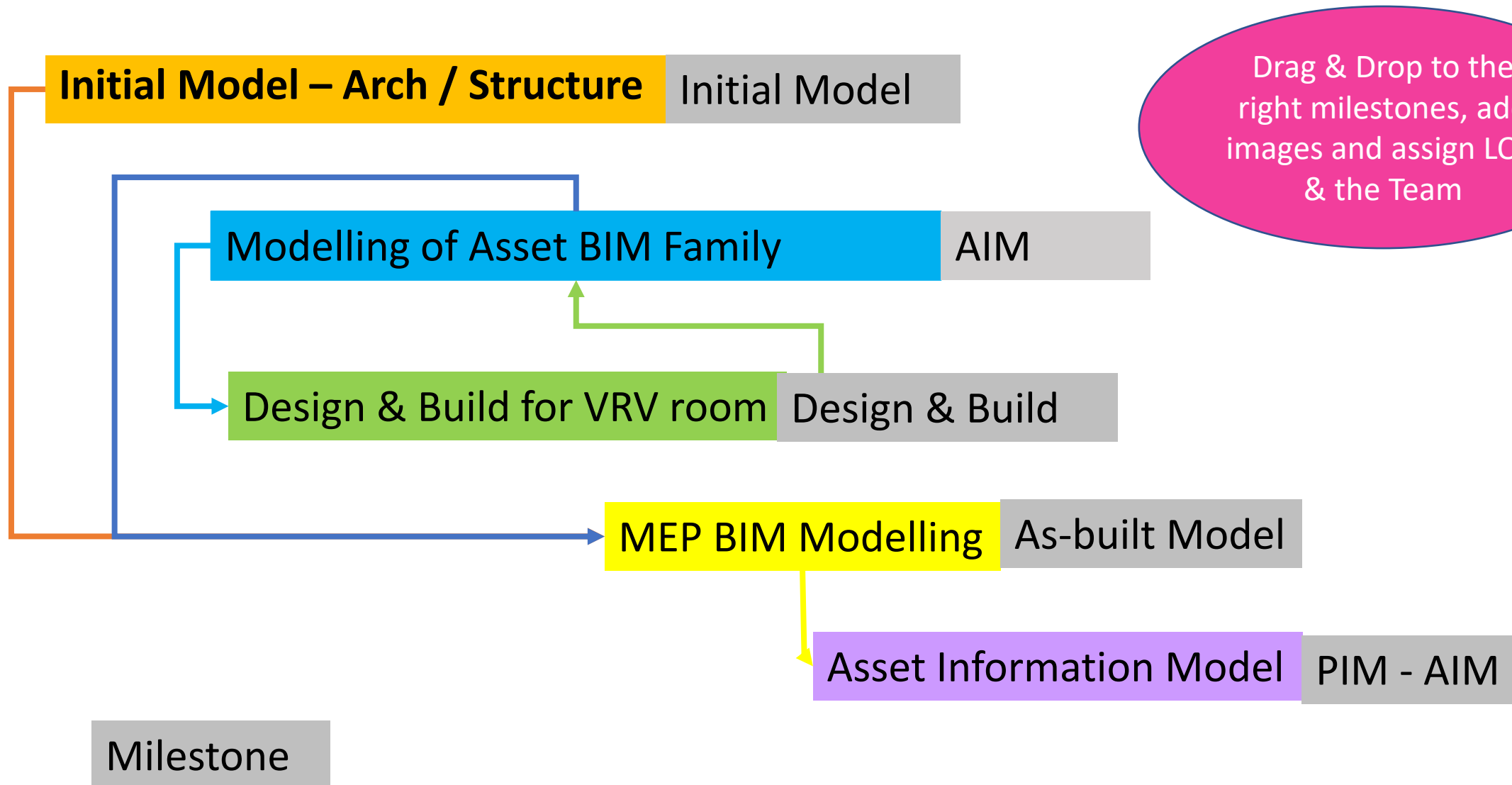
ISO19650 workflow for AIM



MEP Coordination Workflow



Inter Relationship of Major Scope



Scope

The screenshot shows a web browser window with the URL `app.plannerly.com/projects/2319c905-0b83-4a46-b2e8-8b24e37da01b/scope`. The application interface is titled "Construction of BIM Model at TI Tower" and features a navigation bar with tabs for "Plan", "Scope", "Schedule", and "Track". The "Scope" tab is active, displaying a table of project tasks.

	Project Preparation 15 Aug 2019 - 0 Nov 2019	BIM Modelling - Stage 1 11 Nov 2019 - 29 Dec 2019	BIM Modelling - Stage 2 28 Dec 2019 - 31 Jan 2020	BIM Modelling - Stage 3 31 Jan 2020 - 16 Mar 2020	BIM Modelling - Stage 4 16 Mar 2020 - 29 Apr 2020	Asset Information Modelling 30 Mar 2020 - 06 Apr 2020
General						
200 Create Standard Revit Model Structure						
200 Site Walk						
200 Trial Laser Scan						
350 Trial BIM Model						
Architectural						
Mechanical						
Electrical						
Plumbing						
Telecommunications						
Fire Services						
Asset BIM Library Creation						
Meeting						
100 Study AM system						
Plant Rooms Scanning & Modelling						
Site Logistics Simulation for new equipment...			350			

The Windows taskbar at the bottom shows the system time as 5:26 PM on 28/3/20, with the language set to ENG US.

Scope – What You Model Is What You Build

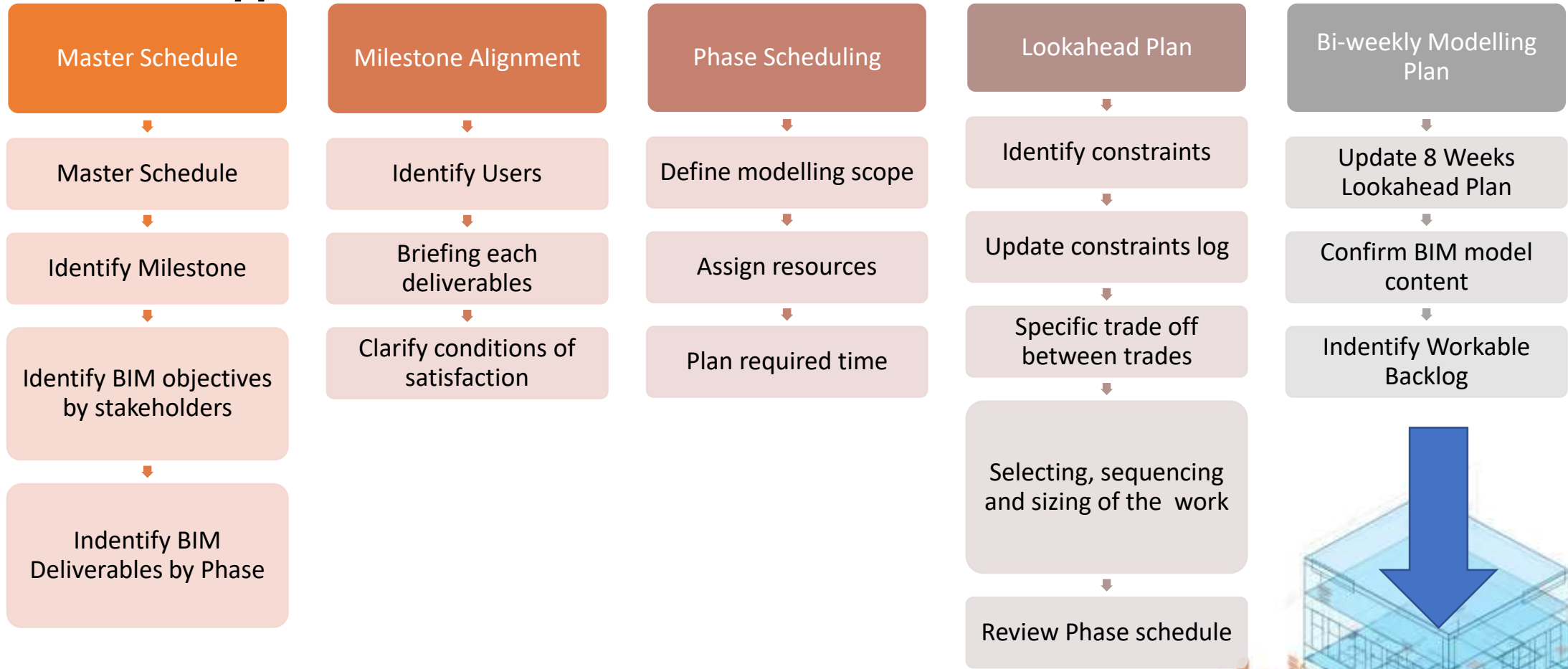
The image displays the Plannerly software interface, which is used for managing project scope. The main window shows a table of tasks categorized by project phases and LOD (Level of Detail). A detailed view of the 'Trial Laser Scan' task is overlaid on the right side of the screen.

Task	LOD	Status	Phase
Project Orientation	LOD 200	Completed	Project Preparation
Create Standard Revit Model Structure	LOD 200	Completed	BIM Modelling - Stage 1
Site Walk	LOD 200	MTE	BIM Modelling - Stage 1
Trial Laser Scan	LOD 200	Completed	BIM Modelling - Stage 2
Trial BIM Model	LOD 350	Completed	BIM Modelling - Stage 2
HVAC Air Distribution	LOD 300	MTE	BIM Modelling - Stage 2

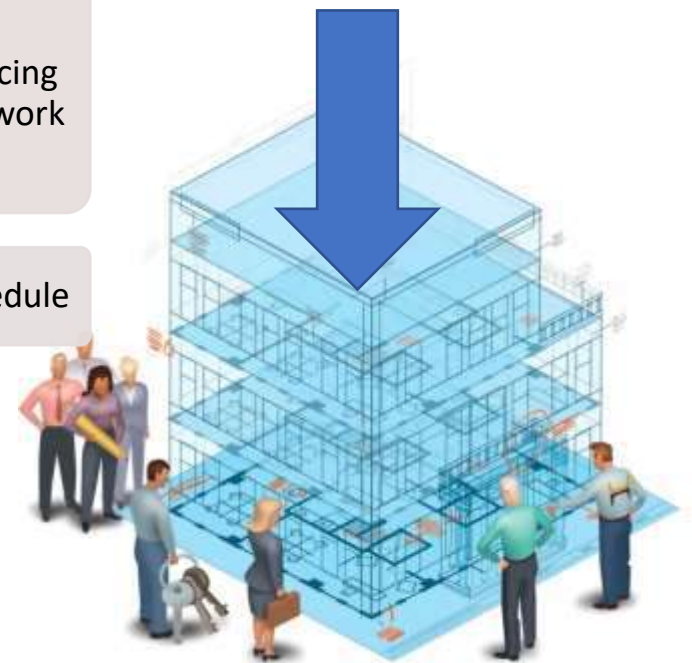
Trial Laser Scan Task Details:

- Title:** Trial Laser Scan
- LOD:** LOD 200
- Description:** Type something...
- Attachments:** Includes an image of a laser scanner.
- Tracking:** Tracked as Group
- DATES:** 27 Aug 2019 - 27 Aug 2019
- STATUS:** Completed
- Activity:** Stephen Au added an attachment to Trial Laser Scan on 26 Feb 2020 12:42.

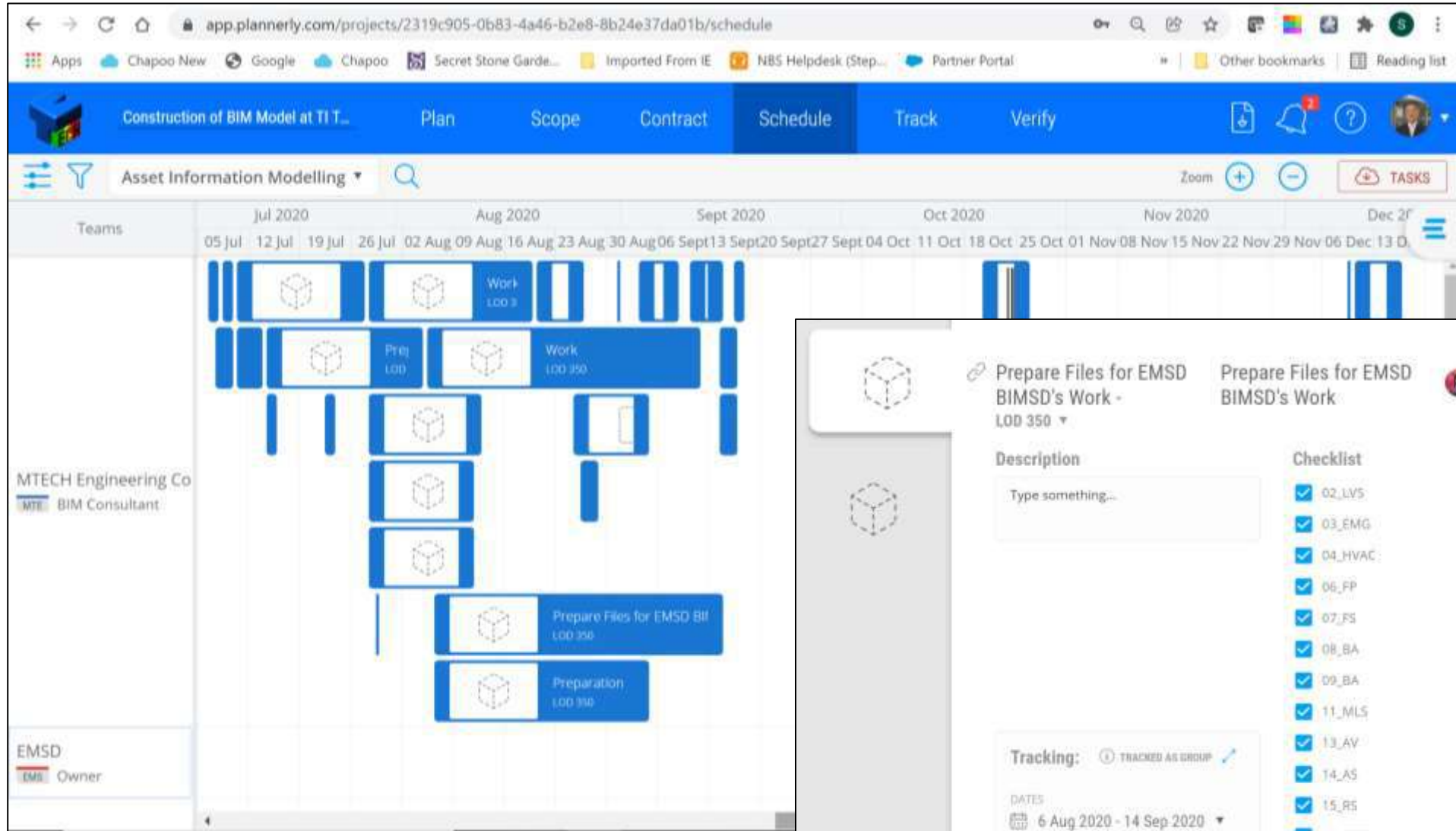
Working Process for BMPS



BIM Modelling & Deliverables for project coordination & design review



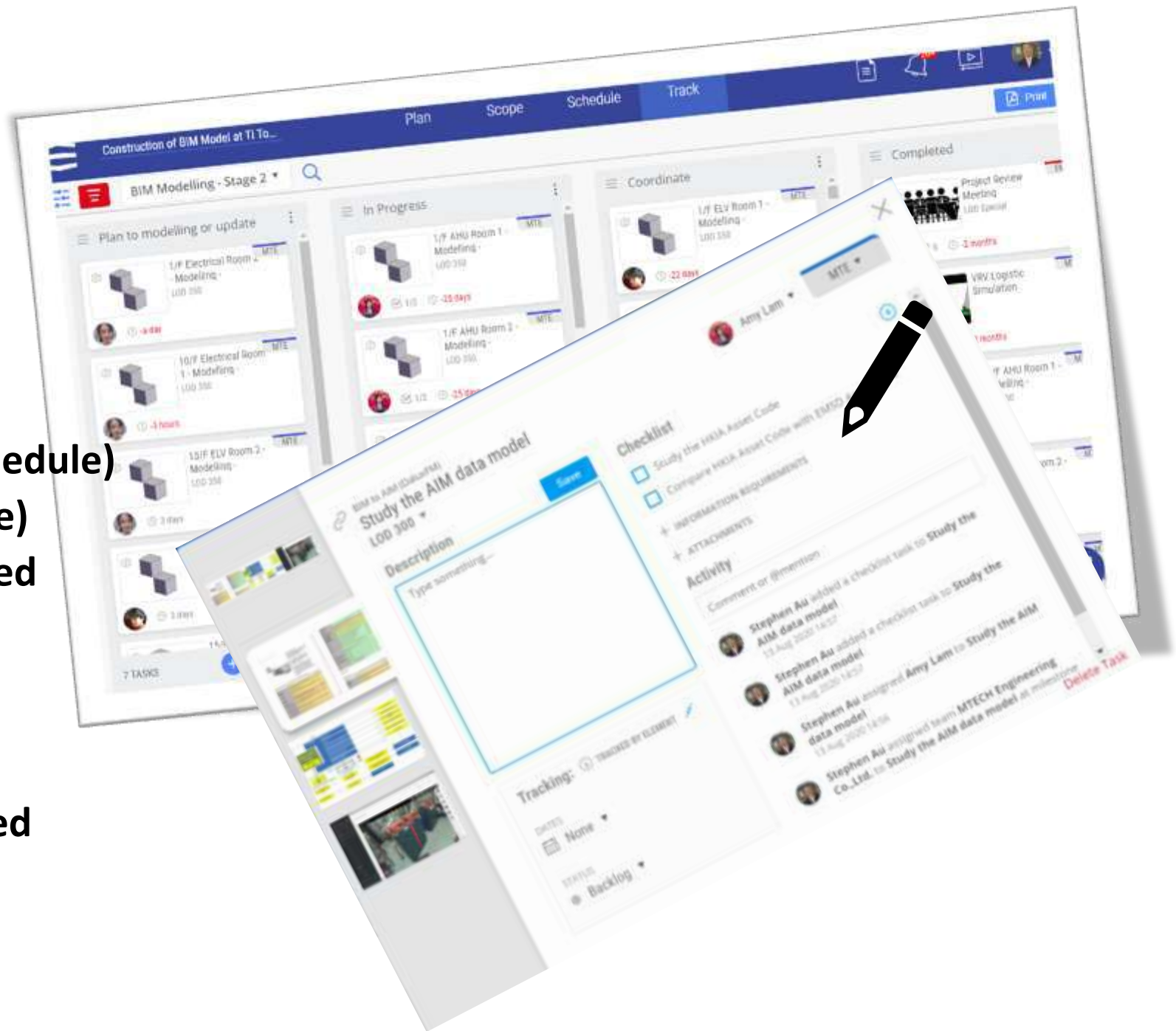
Schedule – Time Management for Quality Assurance



This block provides a detailed view of a task. The task title is 'Prepare Files for EMSD BIMSD's Work - LOD 350'. The description field contains the text 'Type something...'. A checklist on the right lists 18 items, all of which are checked: 02_LVS, 03_EMG, 04_HVAC, 06_FP, 07_FS, 08_BA, 09_BA, 11_MLS, 13_AV, 14_AS, 15_RS, 16_CCTV, 17_BR, and 18_LTG. The tracking information shows the task is 'TRACKED AS GROUP' with dates from '6 Aug 2020 - 14 Sep 2020'. The status is 'Coordinate'. The user 'Amy Lam' is associated with the task, and the team 'MTE' is also visible.

Task Card Action

- **Assign the Status**
 - Backlog
 - Plan
 - In Progress
 - Coordination
 - Completed
- **Put or update the Date (schedule)**
- **Assign PIC (Person in Charge)**
- **Add Requirement as required**
- **Notes as required**
- **Add Checklist as required**
 - Things to Do
 - Highlight
- **Add Attachments as required**
 - RFI
 - Issue
 - Report



Task – Scan to BIM

The screenshot displays the Microsoft Project software interface for a project titled "Construction of BIM Model at TI T...". The main view is a Gantt chart showing task scheduling. The top navigation bar includes tabs for Plan, Scope, Contract, Schedule (active), Track, and Verify. A search bar shows "BIM Modelling - Stage 1". The Gantt chart has a timeline from 19 Nov 2019 to 29 Dec 2019. Tasks are represented by blue bars with thumbnail images. A task list on the left includes:

- 14/F AHU RM 1 - Modelling (LOD 350)
- 14/F AHU RM 2 - Modelling (LOD 350)
- 16/F AHU RM 2 - Modelling (LOD 350)
- B/F Plumb. Pump RM (Commu (LOD 350)

A detailed task view for "16/F AHU RM 2 - Modelling (LOD 350)" is open on the right. It includes a description field, an activity section, and tracking information:

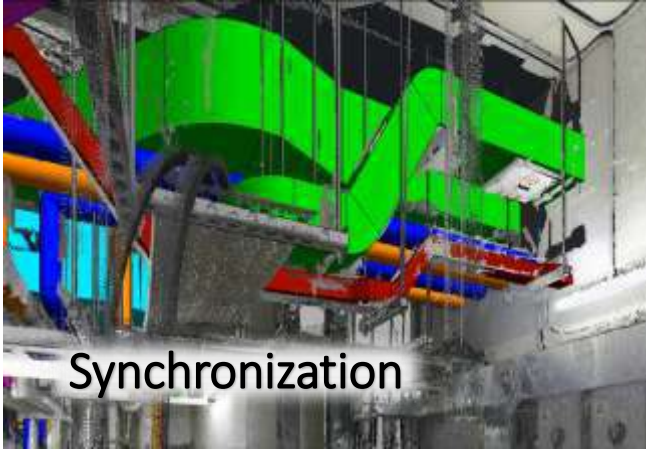
- Tracking: TRACKED BY ELEMENT
- DATES: 11 Nov 2019 - 26 Nov 2019
- STATUS: Completed

The MTECH Engineering Co logo and "MTE BIM Consultant" are visible in the bottom left corner.

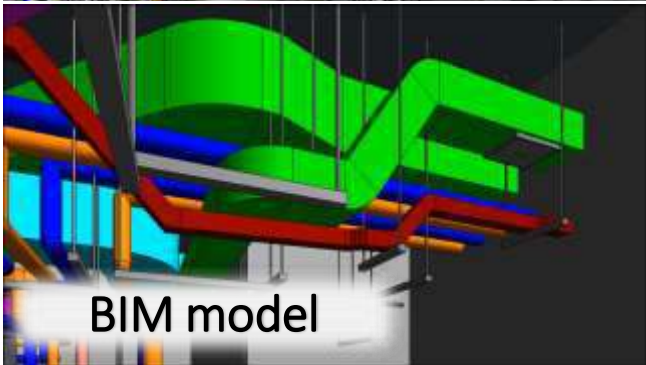
Scan to BIM



Point cloud



Synchronization



BIM model



Track – Project Status

The screenshot shows a project tracking interface. On the left is a vertical sidebar with icons for different simulation types: a 3D site plan, a brown roof, an orange box, a blue box, a white outline, and two circular objects. The main content area is titled 'Site Logistics Simulation for new equipment installation' with a LOD 350 dropdown. It includes a description field, a checklist, information requirements, and an attachment of a video titled 'Logistic Simulation_16F-Animator1.mp4'. The video player shows a 0:00 / 0:23 duration. Below the video is an activity log showing two updates by Stephen Au: one changing the status to 'Completed' and another updating the dates to '26 Feb 2021 - 27 Feb 2021'. A 'Delete' button is visible next to the second activity entry. At the top right, the user 'Amy Lam' and a 'MTE' dropdown are visible.

Site Logistics Simulation for new equipment installation
LOD 350 ▾

Description
Type something...

+ CHECKLIST
+ INFORMATION REQUIREMENTS

Attachments +
Logistic Simulation_16F-Animator1.mp4

Tracking: ⓘ TRACKED AS GROUP ✓

DATES
📅 26 Feb 2021 - 27 Feb 2021 ▾

STATUS
● Completed ▾

Activity
Comment or @mention

Stephen Au changed the status of Site Logistics Simulation for new equipment installation to Completed
8 Dec 2021 18:33

Stephen Au updated the dates on Site Logistics Simulation for new equipment installation
Delete

Track – Task Status

The screenshot displays a software interface for task tracking. On the left, a list of tasks is shown, all marked as 'COMPLETED'. The main panel displays details for the selected task: 'Gate 2 As built model' (LOD 500). The 'Description' field is empty. A 'Checklist' on the right lists various components, all of which are checked. The 'Tracking' section shows the task is tracked by element, with dates from 24 Sep 2021 to 28 Sep 2021, and a status of 'Completed'. A 'Delete Task' button is visible at the bottom right of the task details panel.

Task List:

- Gate 1 As built model (LOD 500) - COMPLETED - 21 days
- Gate 2 As built model (LOD 500) - COMPLETED - 21 days
- Gate 3 As built model (LOD 500) - COMPLETED - 21 days
- Gate 5 As built model (LOD 500) - COMPLETED - 1 month
- Gate 6 As built model (LOD 500) - COMPLETED

Task Details: Gate 2 As built model (LOD 500)

Description: Type something...

Checklist:

- Gate Portal-ARC
- Gate Portal-ST
- Gate Portal-MEP
- Gate Portal-SAS
- Tensile Barrier
- Balustrade
- Boarding Desk- ARC
- Boarding Desk-MEP
- Boarding Desk-SAS
- Blade-ARC
- Blade-MEP
- Blade Layout
- Blade Wire Conduit
- Trunking
- Matching cover

Tracking: TRACKED BY ELEMENT

DATES: 24 Sep 2021 - 28 Sep 2021

STATUS: Completed

Buttons: Delete Task

Tips to Use

- **For BIM Manager**

- Assign or update the Scope every Monday
- Update the schedule every Friday
- Track the status Bi-weekly
- Validate the model for every formal release

- **For Modeler:**

- Update your Track card before you start the BIM task in the morning
- Update your Schedule & Track Task Card before you leave your office everyday

- **For Project stakeholders**

- Inset image to each card to make your work
- Use Copy to duplicate the Scope / Track Card
- Use Search & Filter to capture what you want to see



Validate – The As-Built BIM Model

Construction of BIM Model at TI T...

Plan Scope Contract Schedule Track Verify

Cluster Status

TAIT-NA-016-Master.rvt

Tree

- > Pipe Fittings
- > Pipe Insulations
- > Pipes
- > Plumbing Fixtures
- > Railings

Tree

- > Doors
- > Duct Accessories
- > Duct Fittings
- > Duct Insulations
- > Ducts
 - > Rectangular Duct
 - > RCD-EMSD
 - > RCD-EMSD-TR-COM5
 - > RCD-EMSD-TR-A
 - > TR-A
 - > Electrical Equipment
 - > Electrical Fixtures
 - > Fire Alarm Devices
 - > Flat Pipes
 - > Floors

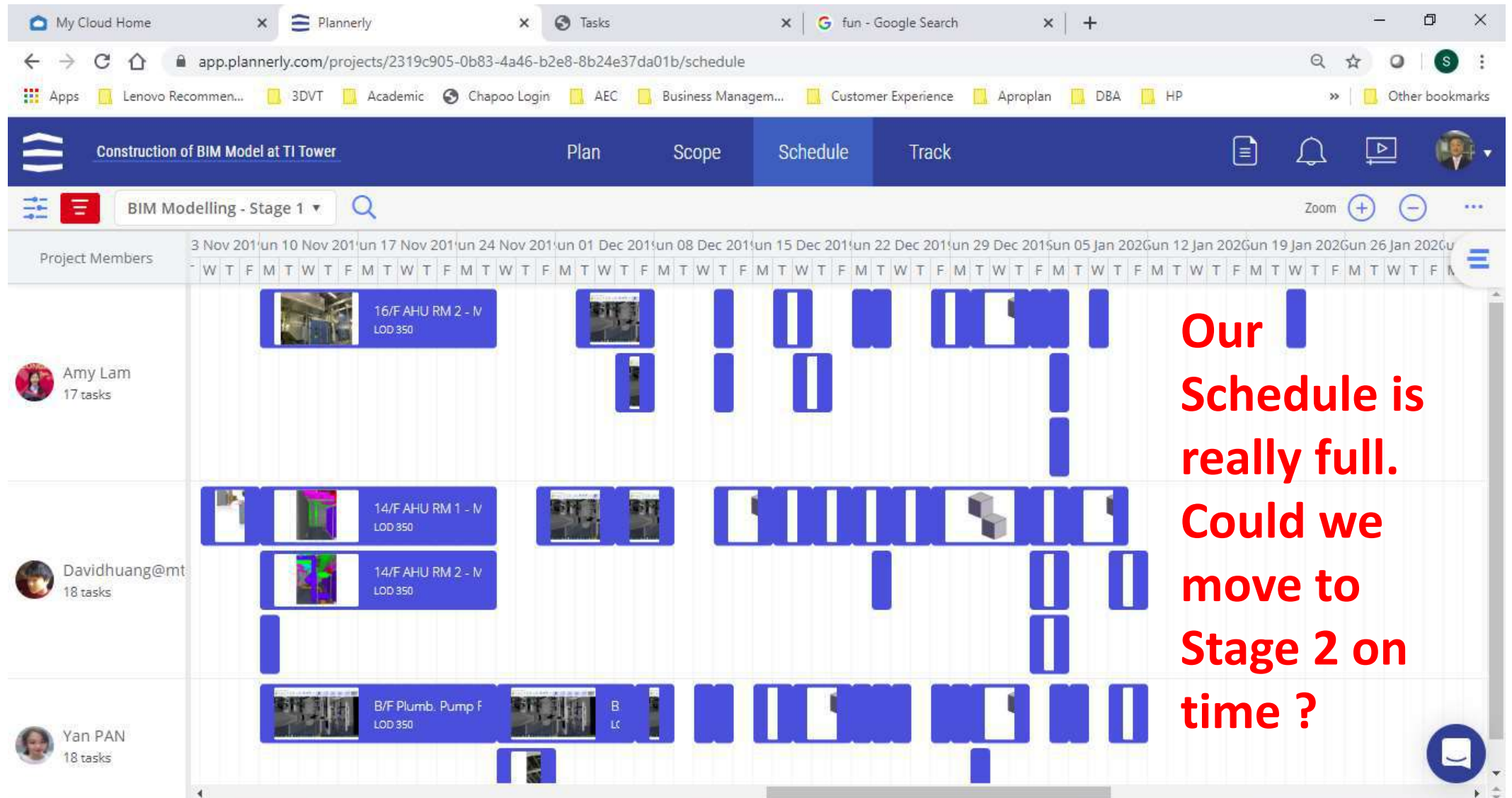
30 of 30 uploads remaining in December.

20/12/21

www.mtech.com.tr

20

Example – TI Tower Schedule



Our Schedule is really full. Could we move to Stage 2 on time ?

Track

My Cloud Home x Plannerly x Tasks x fun - Google Search x +

app.plannerly.com/projects/2319c905-0b83-4a46-b2e8-8b24e37da01b/track

Apps Lenovo Recommen... 3DVT Academic Chapoo Login AEC Business Managem... Customer Experience Aproplan DBA HP Other bookmarks

Construction of BIM Model at TI Tower Plan Scope Schedule **Track**

BIM Modelling - Stage 1 Print

Backlog Recent Plan In Progress Coordinate Completed

ARC Model Building MTE -5 months

B/F Chilled Water Pump Room - LOD 350 MTE -3 months

B/F Chilled Water Pump Room - LOD 350 MTE -3 months

B/F Chilled Water Pump Room - LOD 350 MTE -2 months

B/F Rainwater Recycle RM - LOD 350 MTE -3 months

B/F Rainwater Recycle RM - LOD 350 MTE

1 TASK 2% 0 TASKS 0% 0 TASKS 0% 0 TASKS 0% 52 TASKS 98%

Desktop ENG 5:33 PM 28/3/20 US

**98% of Tasks are completed in Stage 1.
We clearly know what are remaining of 2%.
And we can go to Stage 2!**

Plannerly for TI Tower

Construction of BIM Model at TI Tower

Plan Scope Schedule Track Verify

Construction of BIM Model at TI Tower

OFFICE

3 Concorde Rd, Kai Tak, Hong Kong

Description

Project Standard: LOD

Map could not be loaded

QUICK LINKS

Teams

Add Team

MTECH Engineering Co., Ltd.

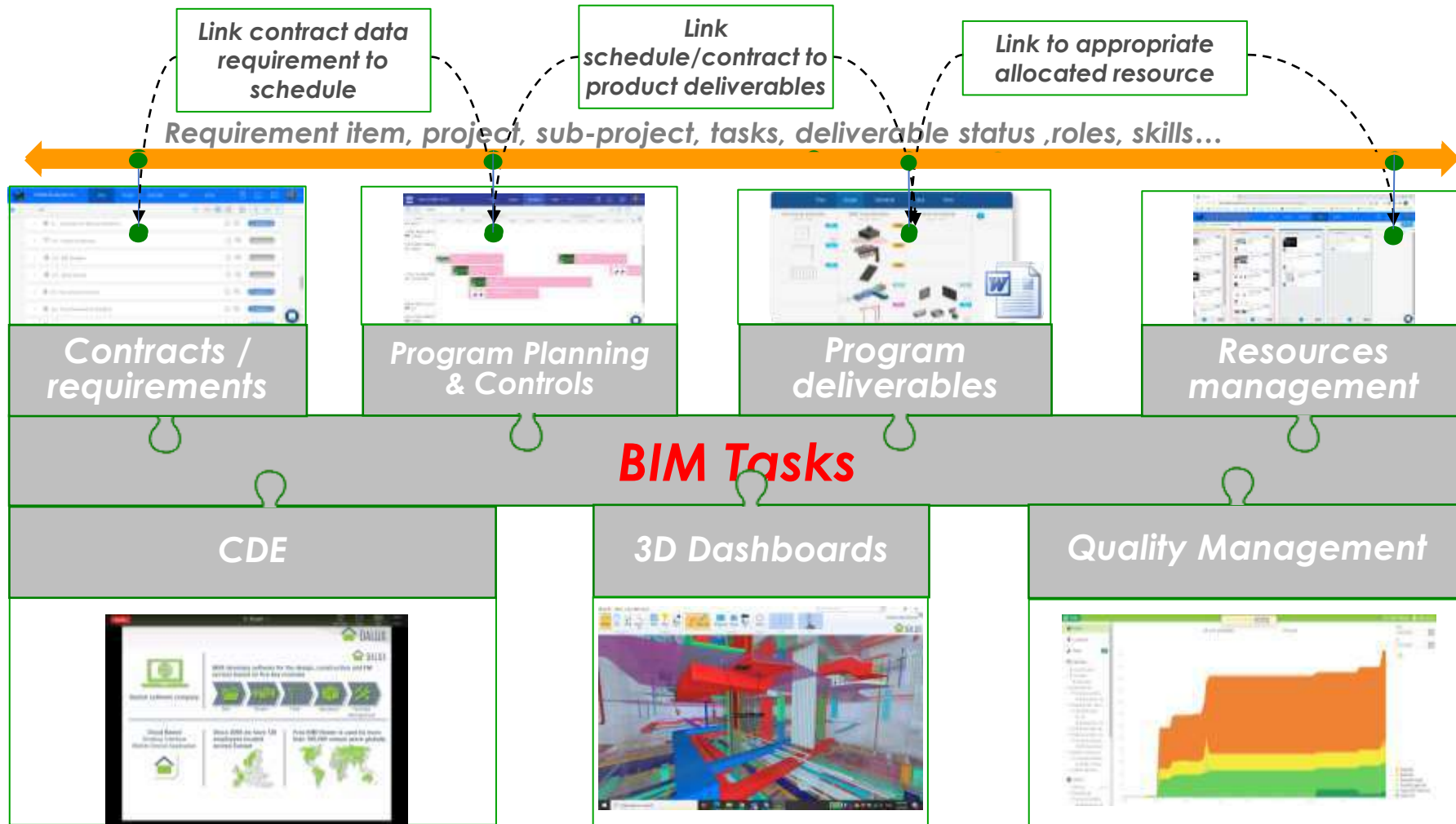
BIM Consultant

Name	Email	Phone	Role	Permissions
Alva Li	alvali@mtech.com.hk	-	GZ Team Leader	👑 - ⋮
Amy Lam	amylam@mtech.com.hk	-	Project Coordinator	👑 - ⋮
Davidhuang@mtech.com.hk	davidhuang@mtech.com.hk	13018555525	BIM Modeler	👤 - ⋮
Louie Moran	louie@plannerly.com	(951) 733-1794	BIM Guy	👑 - ⋮
Stephen Au	stephena@mtech.com.hk	27551832	Project Director	👑 - ⋮
Timmy Hau	timmyhau@mtech.com.hk	93650892	BIM Manager	👑 - ⋮
Yan PAN	yanpan@mtech.com.hk	-	BIM Modeler	👤 - ⋮

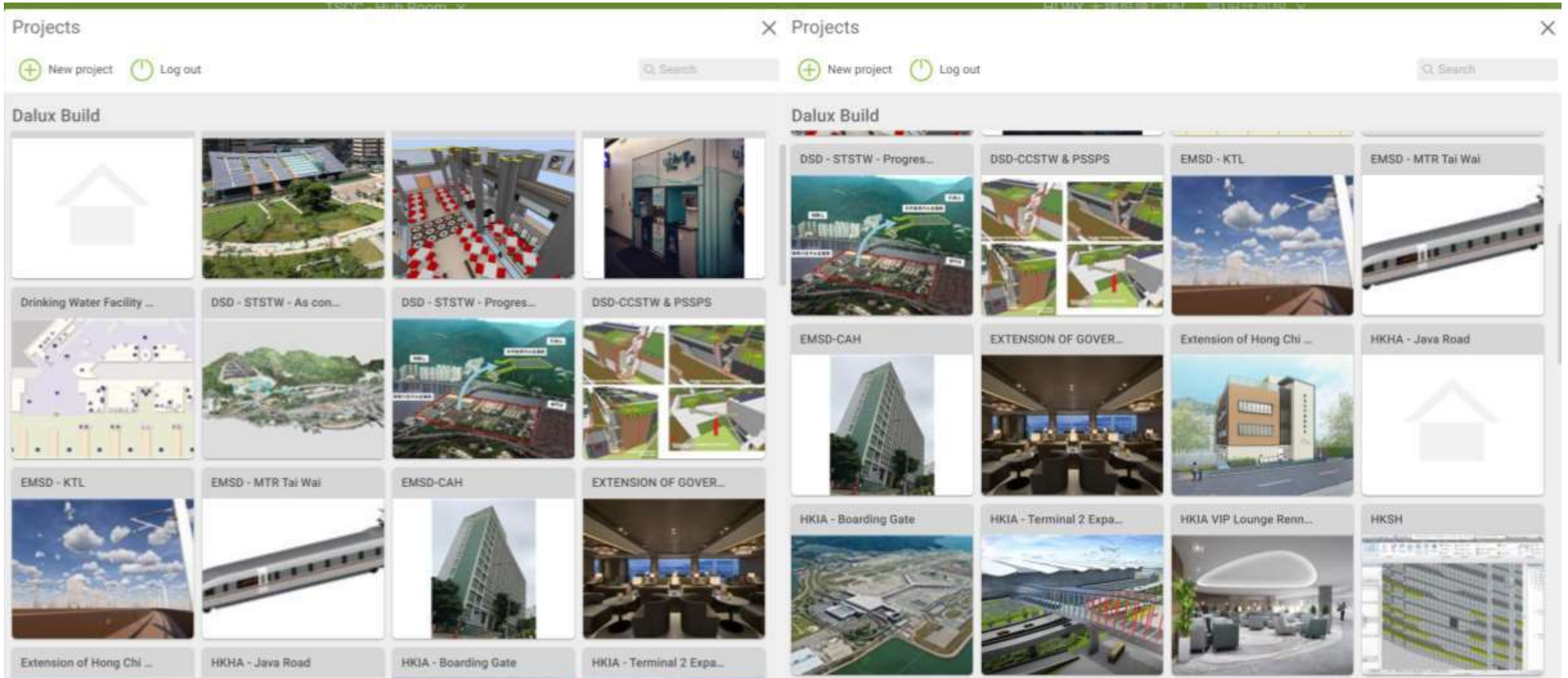
Add Member

BIM Project Management Architecture

Real time monitoring of program activities with cross-functional process integration



Dalux Running Projects



5 Bottlenecks for BIM Coordination

- Inefficient transitions between artifacts,
- Lack of easy to use basic BIM navigation for fast paced environments,
- Inadequate BIM coordination task capabilities,
- Insufficient issue documentation & knowledge capture,
- And inconsistencies across design representations.

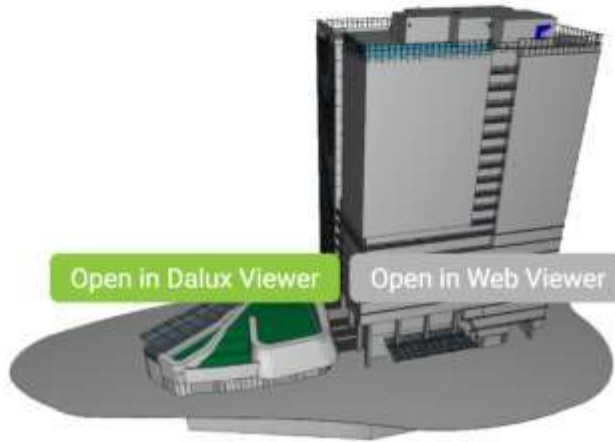


bottlenecks observed		Functionality needed	
Challenge & Description	Functionality	Priority	
Inefficient transitions between artifacts: frequent transitions between design artifacts interfered with participants' goals, it typically took several minutes to transition and participants had difficulty finding the required view.	Saving and Loading Views (1,3)	High	
	Group Views Together (1)	Low	
	Simultaneous 2D access	High	
	Link to 2D trade designs	High	
Lack of easy to use basic BIM navigation for fast paced environments: although participants had prior experience using BIM, BIM tools were often not fully utilized, initiated by BIM tools not being sufficiently fit for fast-paced navigation environments of the meetings.	Panning (3)	High	
	Zooming (1,3)	High	
	Rotate (1,3)	High	
	Take dimension (1)	Low	
	Model Modification (1)	Low	
	Grid Support (1)	High	
	Inadequate BIM coordination task capabilities: BIM tools often did not provide clash detection capabilities, so tools had to be combined, increasing transitions and errors.	Clash Detection (2,4)	High
Model Comparison (4)		High	
Color Code (1)		Low	
Hide/Unhide components (1)		Low	
Insufficient Issue Documentation & Knowledge Capture: most of the knowledge regarding design coordination issues get lost during issue resolution, this knowledge was comprised of two major parts, and the details captured documenting issues, low-	Commenting	High	
	Annotating (1,3)	High	
	Highlighting (1)	Low	
	Record Changes	High	
level knowledge of know-hows & resolution progress.	Record Design issues	High	
Lack of Communication, other design awareness, inconsistencies across designs: many design issues occurred due to insufficient coordination between trades. E.g. designing teams used incorrect reference points when placing systems, or routed building components within the same space as other trades.	Model Upload/Download (4)	High	
	Model Merging (4)	High	
	Remote Model Viewing (4)	Low	
	Dedicated hardware & bandwidth	Low	
	Model Tracking	High	
	Support multiple model format (1,4)	High	
Legend: 1:(Mehrbod, Staub-French, and Tory 2013), 2:(Mehrbod et al. 2015), 3:(Tory et al. 2008), 4:(Shafiq, Matthews, and Lockley 2013)			

https://www.researchgate.net/publication/321151854_Analysis_of_Bottlenecks_in_BIM-based_Building_Design_Coordination_Process_and_Benchmarking_State_of_the_Art_BIM_Tools

Upload Add user Get plug-ins

- Locations
- Comments
- Field
- Box
- FM



TI Tower

You're not done yet!



Watch help video

Levels >

R02	99.400 m	⚠
R01	92.500 m	⚠
20F	88.650 m	⚠
019	84.750 m	⚠
018	80.850 m	⚠
017	76.950 m	⚠
016	73.050 m	⚠
015	69.150 m	

Users

- Alva Li Administrator
- Amy LAM Administrator
- Anders Scheel Nielsen
- chan sze yuen
- Coleman chan
- David HUANG Administrator
- Hao I Cheong Administrator
- Hau Timmv Administrator

Drawings >

015.pdf

015

BIM files >

- Facade.daluxbim
- TAIT-Master-Server Room.daluxbim
- TAIT-NA-A.daluxbim
- TAIT-NA-MEP-AS.daluxbim
- TAIT-NA-MEP-AV.daluxbim
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- TAIT-NA-MEP-BR.daluxbim
- TAIT-NA-MEP-CCTV.daluxbim



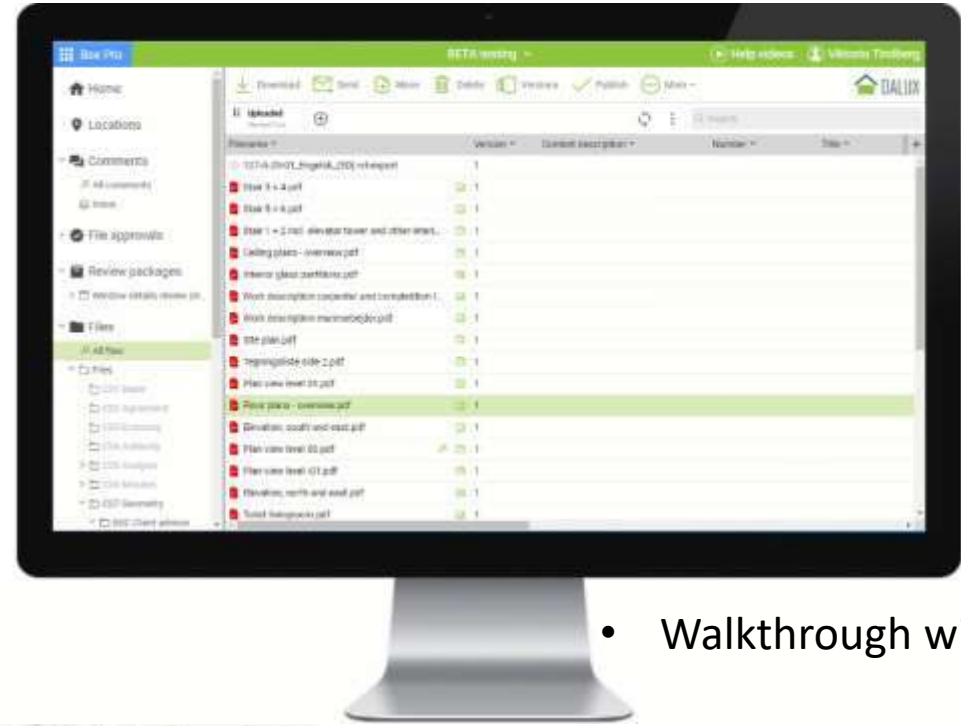
Settings

Dalux Box - CDE

The screenshot displays the Dalux Box CDE interface. On the left is a navigation sidebar with 'Dashboard', 'Locations', 'Box', 'Settings', and 'Help'. The main area shows a file browser with a tree view of folders: 'Files', '01. Building_Model', '02. Output', '03. Record & Document', '04. Coordination', 'Element Plus', 'JEB', 'JEC', 'MTech', and 'NEC'. Under 'NEC', there are sub-folders '20190919' (4 items) and '20191009' (1 item). The main content area shows a file named '20200416' with a version of 1 and a content description. Below this is a table with columns: 'Parameter Name', 'Description', 'Type', 'Group', 'Example', and 'Max. character'. The table contains several rows of data, including 'JECB Reference No.', 'Code System - Equipment', 'System Type', 'Equipment Type', 'Equipment Label', and 'Version'. Below the table is a 3D model viewer showing a complex industrial structure with yellow pipes and blue structural elements. A smaller 3D model viewer is also visible in the bottom left, showing a different view of the same structure. The bottom of the screen shows a Windows taskbar with the search bar, taskbar icons, and system tray information including temperature (22°C), time (4:11 PM), and date (5/12/21).

Parameter Name	Description	Type	Group	Example	Max. character	
JECB Reference No.	PL 0					
Code System - Equipment	PL 410					
System Type	PL Service Installation - Air System					
Equipment Type	Air System					
Equipment Label	1					
Version	2.0					
Parameter Name	Description	Type	Group	Example	Max. character	
JECB Reference No.	PL 0					
Code System - Equipment	PL 410					
System Type	PL Service Installation - Air System					
Equipment Type	Air System					
Equipment Label	1					
Version	2.0					

Collaboration with Online Dalux Viewer



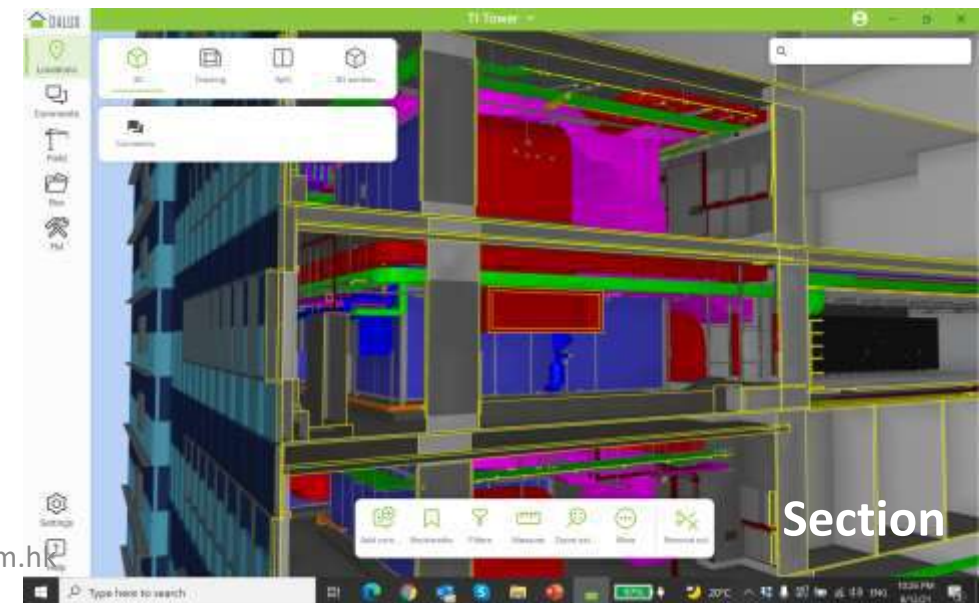
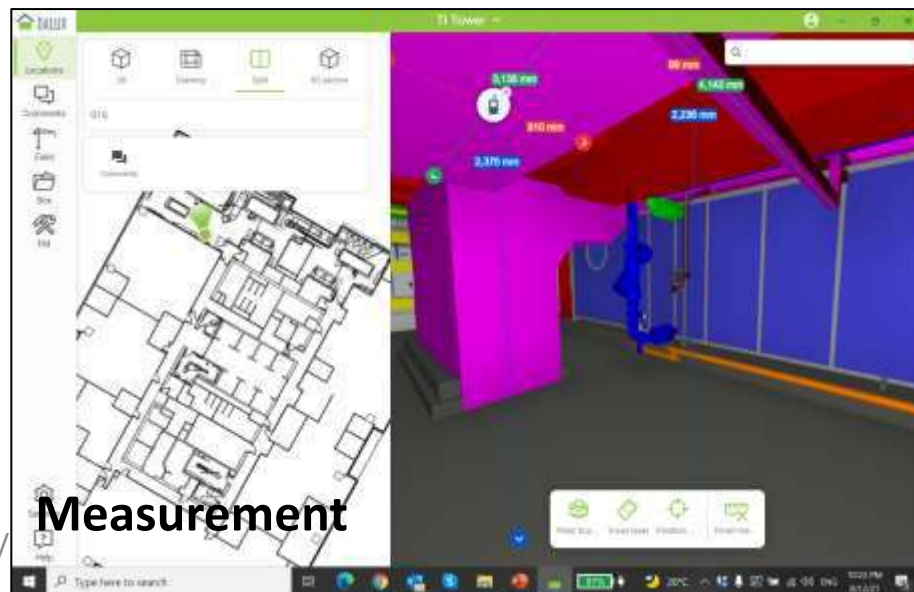
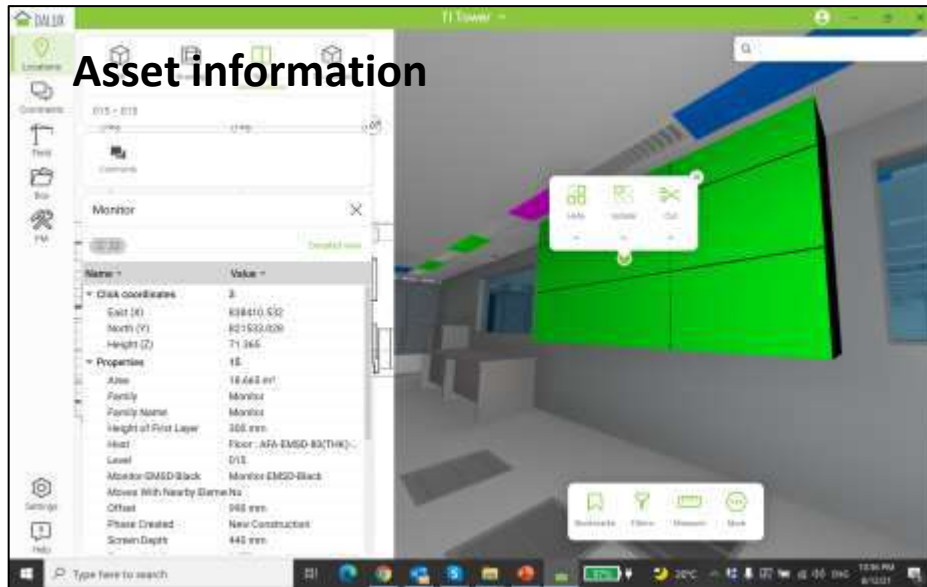
- 3D Box Cut with 2D drawing underlay

- Walkthrough with 2D & 3D



- MEP system checking

Dalux Viewer



BIM Coordination with Dalux Viewer

The screenshot shows the Dalux Viewer interface for a project named "TI Tower". The interface is divided into several sections:

- Top Bar:** Shows the project name "TI Tower" and the user "Amy LAM".
- Left Sidebar:** Contains navigation icons for "Localize", "Field", and "Box".
- Top Navigation:** Includes "Upload", "Get Revit plug-in", "Get Navisworks plug-in", and "Add person".
- Main View:** Displays a 3D model of a building with two buttons: "Open in Dalux Viewer" and "Open in Web Viewer".
- Right Panel:**
 - TI Tower:** A status section with a "You're not done yet!" message and a 50% progress indicator. A "Watch help video" link is present.
 - Levels >** A table listing levels and their heights:
- Users:** A list of users with their roles:

Level	Height (m)
VRV-016	106.800 m
VRV-014	100.800 m
R02	99.400 m
R01	92.900 m
20F	88.650 m
019	84.750 m
018	80.850 m
017	76.050 m
016	73.050 m
015	69.350 m
014	65.250 m

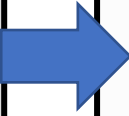
User	Role
Alva Li	Administrator
Amy LAM	Administrator
Anders Scheel Nielsen	
chan sze yuen	
David HUANG	Administrator
Hau Timmy	Administrator
jackylhk@emsd.gov...	
Jeremy Ho	
Jimmy SIN	
lungtm@emsd.gov...	
Mannix Dahl Arcan	

- Drawings >** A list of PDF drawings from 000.pdf to 010.pdf, with a "+13" button below.
- BIM files >** A list of BIM files from 000 to 010, including files like "Facade.daluxbim", "TAIT-NA-A.daluxbim", etc., with a "+8" button below.

Dalux Dashboard – RFI / Issue Report

The dashboard provides a comprehensive overview of project milestones and tasks. It includes sections for announcements, upcoming deadlines, overdue deadlines, and recent box files.

Announcements	Upcoming deadlines	Overdue deadlines	Recent Box files
<ul style="list-style-type: none"> Step 6 2021, 2:45 PM - The Latest Model 02 SWP Model 	<ul style="list-style-type: none"> Dec 5 2021 - Fit Modeling issue Dec 5 2021 - Railing Modeling issue Dec 4 2021 - KVA Rail connection cl... 	<ul style="list-style-type: none"> Nov 30 2021 - Check All model in cl... Nov 30 2021 - Please revise the EL n... Nov 30 2021 - Check EL layout docu... Nov 30 2021 - Adjust EL level and r... Nov 30 2021 - Adjust EL layout and r... Nov 30 2021 - Adjust EL layout and r... Nov 30 2021 - Update storage route 	<ul style="list-style-type: none"> CT1W14 UN-PCT1-04-NE-DRL... Dec 3 2021, 4:01 CT1W14 UN-PCT1-05-NE-L... Dec 2 2021, 2:49 C2W13 WY-PCT1-05-NEWV... Dec 1 2021, 6:02 CT1W14 UN-PCT1-05-NE-L... Dec 1 2021, 12:11 CT1W14 UN-PCT1-AR-NE-L... Nov 30 2021, 6:05 C2W13 WY-PCT1-05-EX-DRL... Nov 30 2021, 5:2 C2W13 WY-PCT1-05-NE-L... Nov 30 2021, 3:4

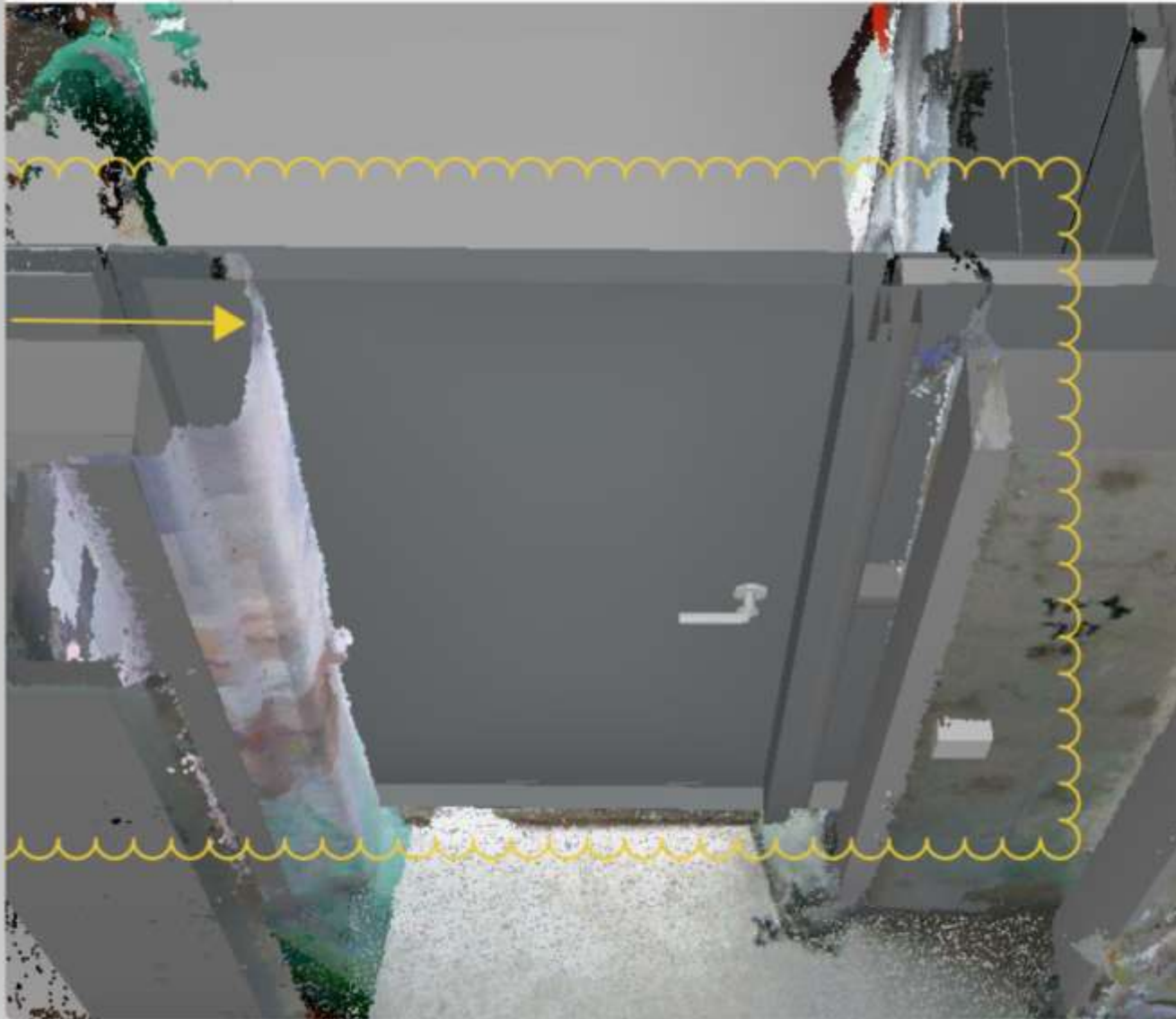


No.	Title	TL Created	Description	Communication channel	Type	Deadline	Status	Response
220	TB2 Clash with BW7	Aug 16 2021, 11:52 AM	Naming	AAHK	Comment	Oct 11 20...	Resolved	BIM View
205	EL cable trays connection	Aug 3 2021, 4:39 PM	Waiting the Union As built information	AAHK	Comment		In Progress	BIM View
200	clash	Aug 2 2021, 4:03 PM	DR SWP clash FCU	AAHK	Comment		Active	BIM View
199	Clash	Aug 2 2021, 3:56 PM	MAVC clash Ex EL	AAHK	Comment		Active	BIM View
198	Clash	Aug 2 2021, 3:55 PM	MAVC clash EX FS	AAHK	Comment		Active	BIM View
197	Please Check The Detail installation of L...	Aug 2 2021, 3:50 PM	Please Check The Detail installation ...	HKIA VIP Lounge	Comment	Nov 8 2021	Resolved	BIM View
183	Please clarify if the corridor width is sp...	Jul 16 2021, 3:09 PM		AAHK	Comment	Aug 2 2021	Active	BIM View
180	FS Pipe Clash with Ceiling	Jul 16 2021, 11:31 AM		AAHK	Comment	Aug 2 2021	Active	BIM View
175	Please clarify if the installed duct clash ...	Jul 16 2021, 11:03 AM		AAHK	Comment	Aug 2 2021	Active	BIM View
166	Please revise the wall finishing, uncond...	Jul 15 2021, 3:48 PM	Missing wall finishing, uncontinuous...	AAHK	Comment	Jul 31 2021	In Progress	BIM View
163	Please review and revise the phasing f...	Jul 15 2021, 2:31 PM	Please revise the phasing for insulat...	AAHK	Comment	May 31 2...	In Progress	BIM View
158	Please eliminate all chinese characters ...	Jul 15 2021, 10:27 AM		AAHK	Comment	Apr 30 20...	In Progress	BIM View
131	Celling Wall for Exposed BS	Jul 12 2021, 4:37 PM	Celling Wall for Exposed BS	HKIA VIP Lounge	Comment	Jul 19 2021	In Progress	BIM View
100	Revise Installation Detail for IMM Signs...	Jul 12 2021, 4:32 PM	Revise installation Detail for IMM SL...	HKIA VIP Lounge	Comment	Jul 19 2021	In Progress	BIM View
145	DR clash	Jul 12 2021, 3:55 PM	DR管碰撞于吧台天花	HKIA VIP Lounge	Comment	Jul 19 2021	Active	BIM View
141	Clash	Jul 12 2021, 11:01 AM	VVP room 风机电器与Ex电缆管	HKIA VIP Lounge	Comment	Jul 19 2021	In Progress	BIM View
139	DR P1 room 净高不足	Jul 7 2021, 10:09 AM	风机电管碰撞最低净高限制2825...	HKIA VIP Lounge	Comment	Jul 12 2021	In Progress	BIM View
137	EX FS管碰撞MAVC	Jul 5 2021, 3:14 PM	EX FS管碰撞过桥，撞MAVC风管	HKIA VIP Lounge	Comment	Jul 12 2021	In Progress	BIM View
134	Decorative wall in front?	Jun 30 2021, 11:32 AM	Please find the update drawing for ...	HKIA VIP Lounge	Comment	Jun 30 20...	Active	BIM View
109	The BS Service Clash the Fire Shutter	Jun 5 2021, 11:14 AM	To be coordination at BS meeting	C19W14 Clash Report...	Comment	Nov 30 20...	In Progress	BIM View

No. 529 - Adjust door and the connected wall and column location according to point cloud



Screenshot 3D



No. - 529 Adjust door and the co...

Active

Created Nov 25, 2021 by LI CHENRUI

Description

Assigned to: Matthew Yip BIM Viewer users

Communication channel: AAHK

Type: Comment

Deadline: Nov 30, 2021

Notify



Properties

Category	STR
Discipline	
Project	* C19W14
Location	
Company	* Union
Issue No.	
Resolution	
Add	

LI CHENRUI

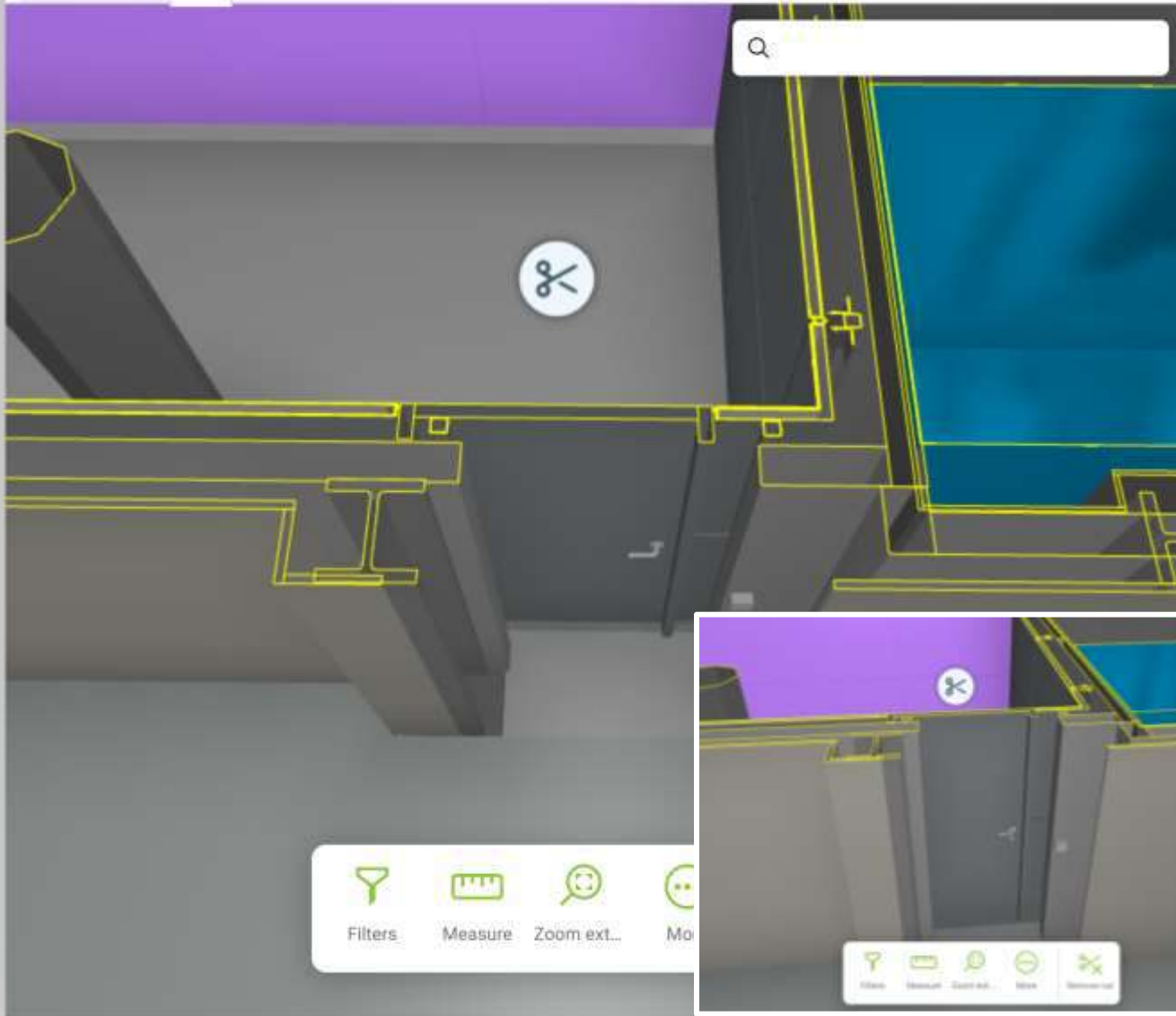
Nov 25 2021, 10:37 AM

- Created - Responsible set to Matthew Yip
- Responsible group set to BIM Viewer users

No. 529 - Adjust door and the connected wall and column location according to point cloud



Screenshot 3D



No. - 529 Adjust door and the co...

Active

Created Nov 25, 2021 by LI CHENRUI

Description

Assigned to: Matthew Yip BIM Viewer users

Communication channel: AAHK

Type: Comment

Deadline: Nov 30, 2021

Notify



Properties

- Category: STR
- Discipline:
- Project: * C19W14
- Location:
- Company: * Union
- Issue No.:
- Resolution:
- + Add

LI CHENRUI

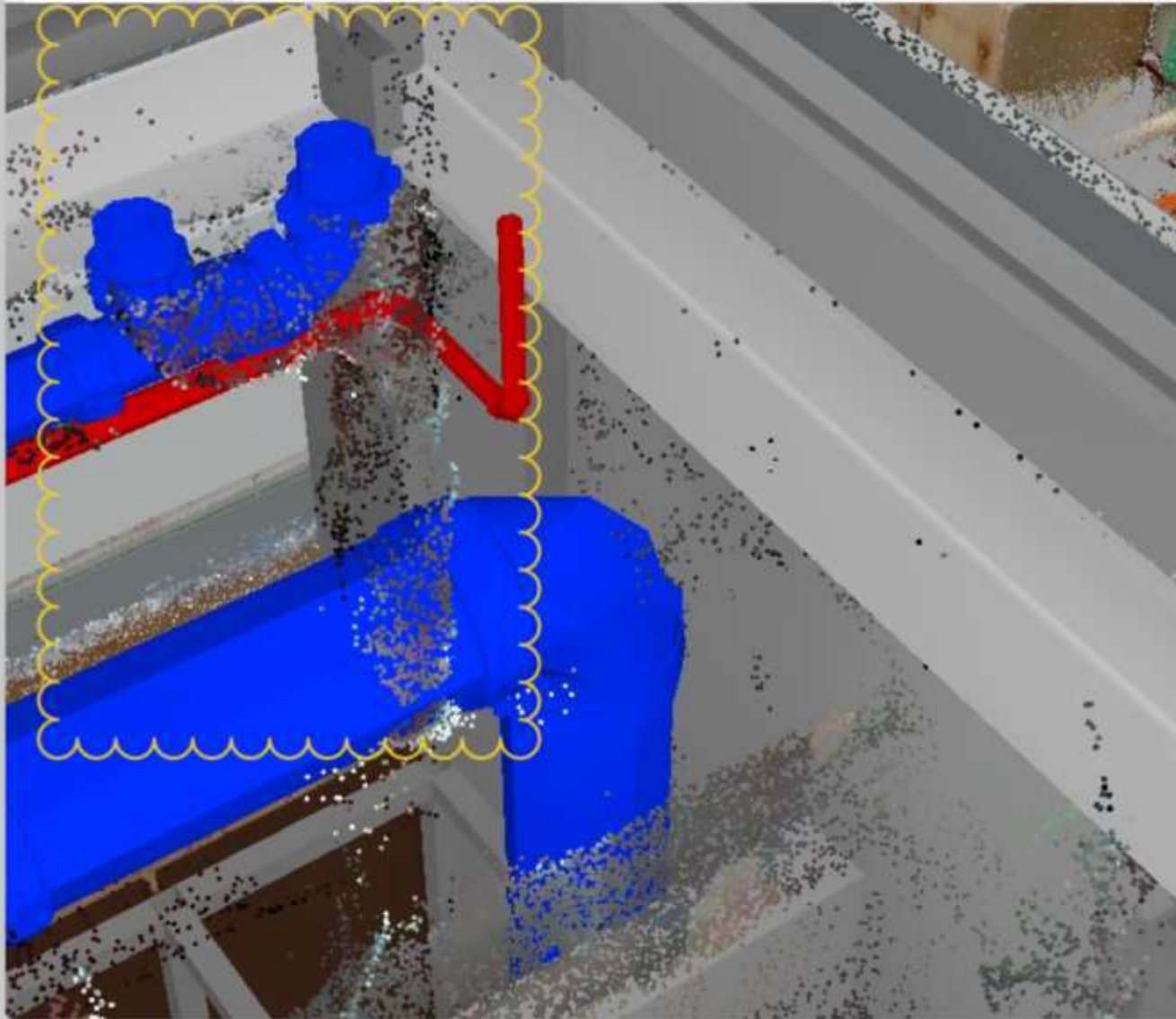
Nov 25 2021, 10:37 AM

- Created - Responsible set to Matthew Yip
- Responsible group set to BIM Viewer users

No. 536 - Update drainage route according to point cloud



Screenshot 3D



No. - 536 Update drainage route ...

● Active

Created Nov 25, 2021 by LI CHENRUI

Description

Assigned to: Matthew Yip BIM Viewer users

Communication channel: AAHK

Type: Comment

Deadline: Nov 30, 2021

Notify



Properties

Category	DR
Discipline	
Project	* C19W14
Location	
Company	* Union
Issue No.	
Resolution	
Add	

LI CHENRUI

Nov 25 2021, 11:36 AM

- Created - Responsible set to Matthew Yip
- Responsible group set to BIM Viewer users

No. 536 - Update drainage route according to point cloud



Screenshot 3D



No. - 536 Update drainage route ...

Active

Created Nov 25, 2021 by LI CHENRUI

Description

Assigned to: Matthew Yip BIM Viewer users

Communication channel: AAHK

Type: Comment

Deadline: Nov 30, 2021

Notify



Properties

Category	DR
Discipline	
Project	* C19W14
Location	
Company	* Union
Issue No.	
Resolution	
Add	

LI CHENRUI

Nov 25 2021, 11:36 AM

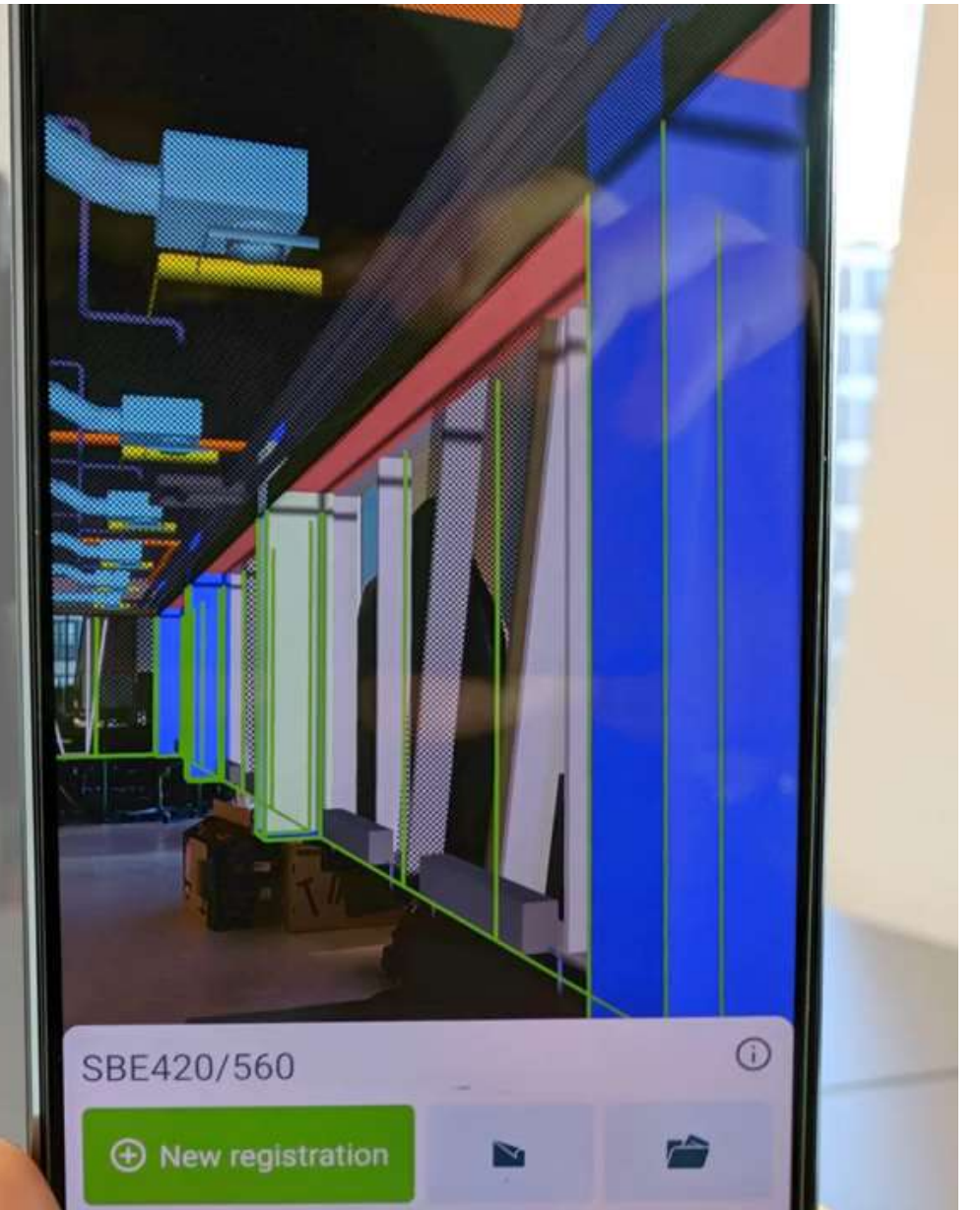
- Created - Responsible set to Matthew Yip
- Responsible group set to BIM Viewer users



DALUX

DIGITAL TWIN

Create workflows
and tasks with
BIM and AR





QUESTION & ANSWER
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