

# 应用案例研究 工業貿易大樓

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**plannerly**  
The BIM Management Platform



**DALUX**



# 项目背景

机电署在运维阶段利用BIM，通过实施BIM-AM系统，实现了数字孪生的概念。

工业贸易大楼（TI Tower）被选为2015年在启德发展区落成的政府现有建筑物之一，在设计和建造阶段未使用BIM。

该项目旨在重建机房BIM竣工模型，并与机电工程署内部开发的BIM-AM系统集成，为可持续建筑运营和维护创建数字孪生。

工业贸易大楼建筑面积约66,600平方米，地上22层，地下一层，位于香港九龙启德协和道3号。

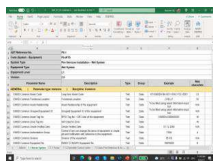
竣工BIM将涵盖整个建筑和所有机房区域的建筑、结构和立面：

- 机房数量：175
- 总面积：8330m<sup>2</sup>





# 工作范围和流程



## 项目执行计划

- 申请ISO19650
- 定义建模范围
- 分配人力、任务和日程安排
- 创建建模检查清单

## 机房试点建模

- 找出最好的方法
- 定义质量管理过程

## 资产信息模型建模

- 资产代码验证
- 资产信息输入到 BIM 模型

## 粘贴条码

- 条码信息生成
- 条码打印
- 条码粘贴
- AR和Dalux现场验证

## BIM - AM 一体化

- 在 Revit 中为资产创建明细表
- 建立资产关系
- Cobie Lite 文件创建
- 操作

8/2019

12/2020

### 日程安排

- 网站扫描
- 点云操作
- 创建 360 张照片
- 输入到 Recap

### 房间激光扫描



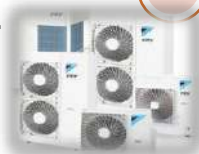
- 建筑与结构建模
- 机电模型建模
- 创建标准族
- 点云到 BIM 模型协调

### BIM建模



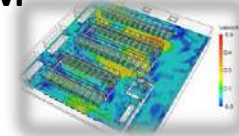
- 施工期 BIM模型 建模
- 用于物流验证的 4D 模拟
- 竣工BIM模型建模

### 用于安装VRV的 BIM 模型



- 现有条件的竣工建模
- 将 BIM 模型导出到 CFD 软件进行仿真

### 用于服务器机房 CFD 模拟的 BIM





# 计划 - 在线 BXP

- > 1 Project information
- > 2 BIM Uses
- > 3 Process
  - > 3.1 3D laserscanning of building interiors [PUBLISHED]
  - > 3.2 BIMModelling from the Scanned Cloud Point Data [PUBLISHED]
  - > 3.3 Improvethe model accuracy by on site photo taking [PUBLISHED]
  - > 3.4 BIM Object Library Creation for Asset Management [PUBLISHED]
  - > 3.5 QCProcess [PUBLISHED]
  - > 3.6 Meeting Schedule [PUBLISHED]
  - > 3.7 Model Delivery Schedule of Information Exchange for Submission and Approval [PUBLISHED]
  - > 3.8 Collaboration Procedures [PUBLISHED]
- > 4 Deliverables
- > 5 Quality & Safety Management
- > 6 BIM Protocol
- > 7 Technology
- > 8 Reference Information





# 特定 BIM 用途 - 为资产创建标准族和 3D 激光扫描

**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 manufacturer 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.

**Laser Scanning Workflow**

The diagram illustrates the process: Capture the HDR Spherical Images and 3D Data using Cyclone FIELD 360 (Single automatic alignment of scans in the field) and Cyclone Register 360 (Full automatic registration in the office). The resulting data is then processed by Cyclone Publisher Pro (Publishes 360, 7MG, 1GB, RCP and LAS files, 1MB, standard formats such as e57, etc) and finally exported as geo-referenced \*.xyz point cloud format.



# 执行逻辑思维

## 范围

按区域或按每个项目里程碑下的分配工作定义我们需要建模和 LOD 的内容

## 时间表

总览每个里程碑下所有任务的进度，并可根据项目进度轻松调整

## 追踪

将范围分配给 PIC（负责人），并附有日程安排 + 状况 + 检查表

## 核实

查看您构建的内容

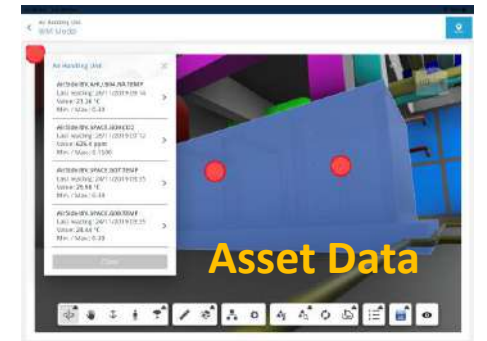
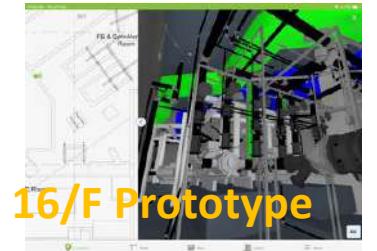
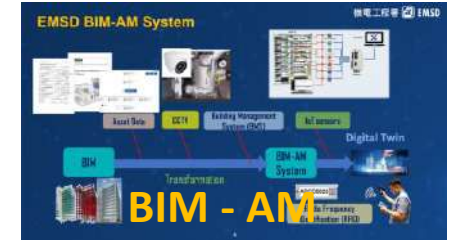
- 质量
- 数量
- 剩余
- 统计数据



# 工作范围



工作范围	交流系统设计安装	初始模型	16楼试运行	竣工BIM模型建模	AIM资产模型建模
建筑与结构建模		X			
激光扫描		X	X		
机房机电建模					X
创建标准族	X		X	X	X
备份 VRV BIM模型建模	X		X	X	
4D物流验证 模拟	X			X	
项目进度会议	X		X	X	X
BIM工作坊	X		X	X	X
协调会议	X		X	X	X

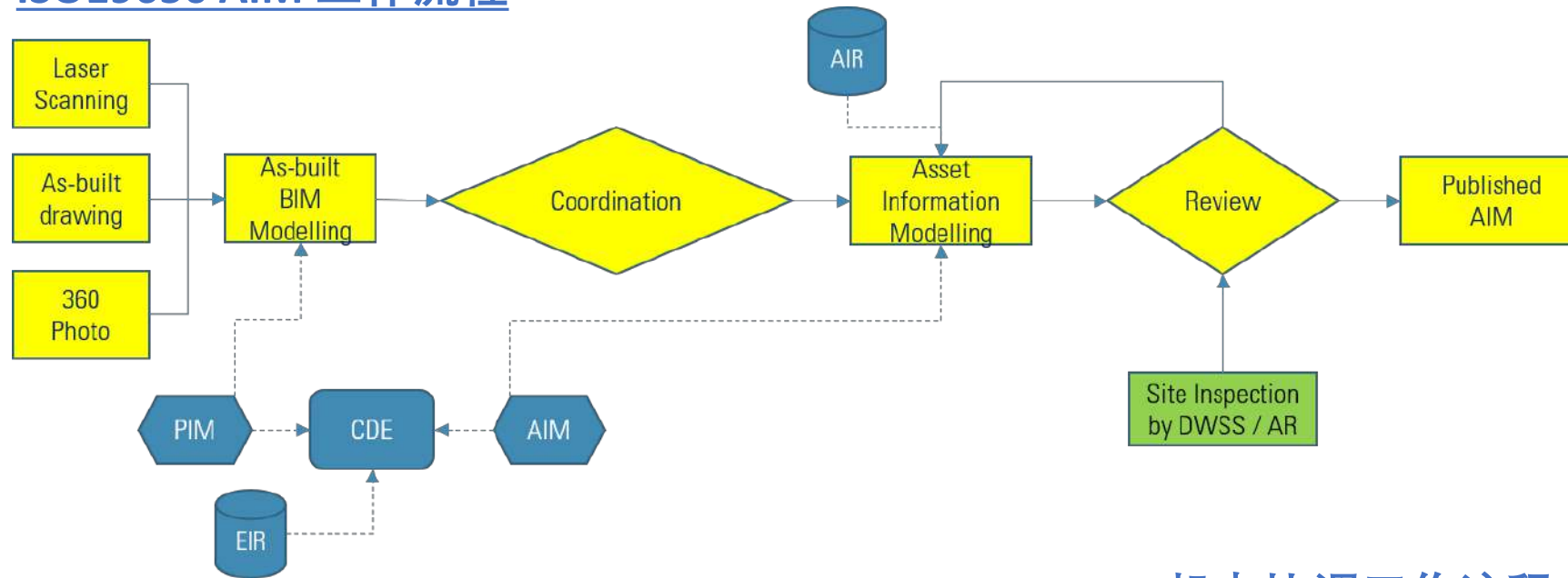




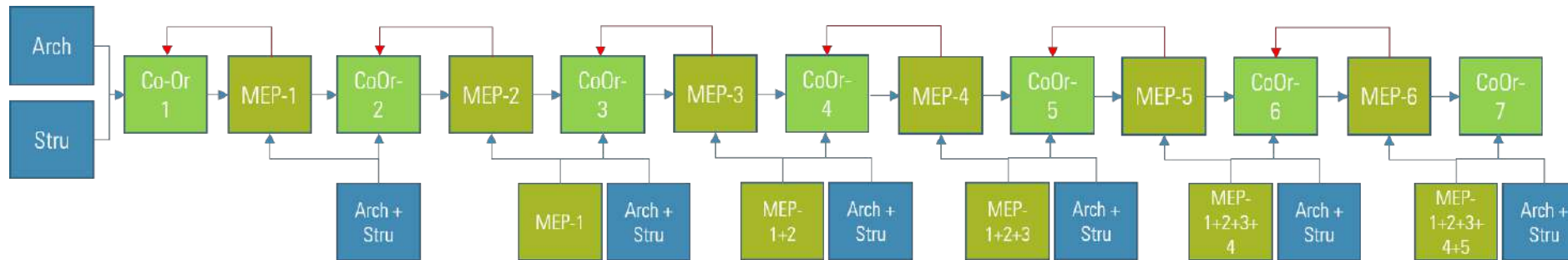


# BIM 工作流程与协调

## ISO19650 AIM 工作流程



## MEP机电协调工作流程





# 项目交付 - 多模型

- 考虑资源、技术和时间安排，项目将被分割成若干模型。

Figure 11 – Volumes within a tunnel design for spatial co-ordination

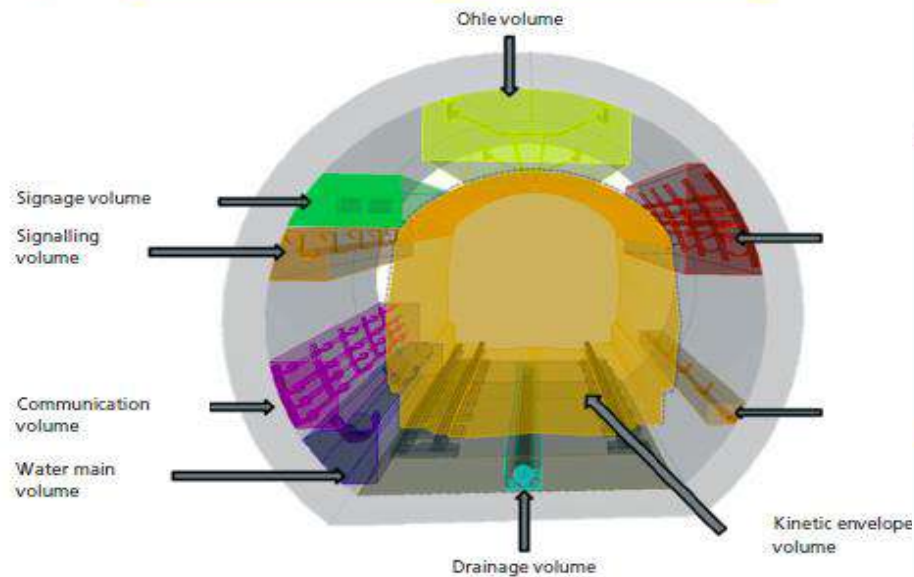
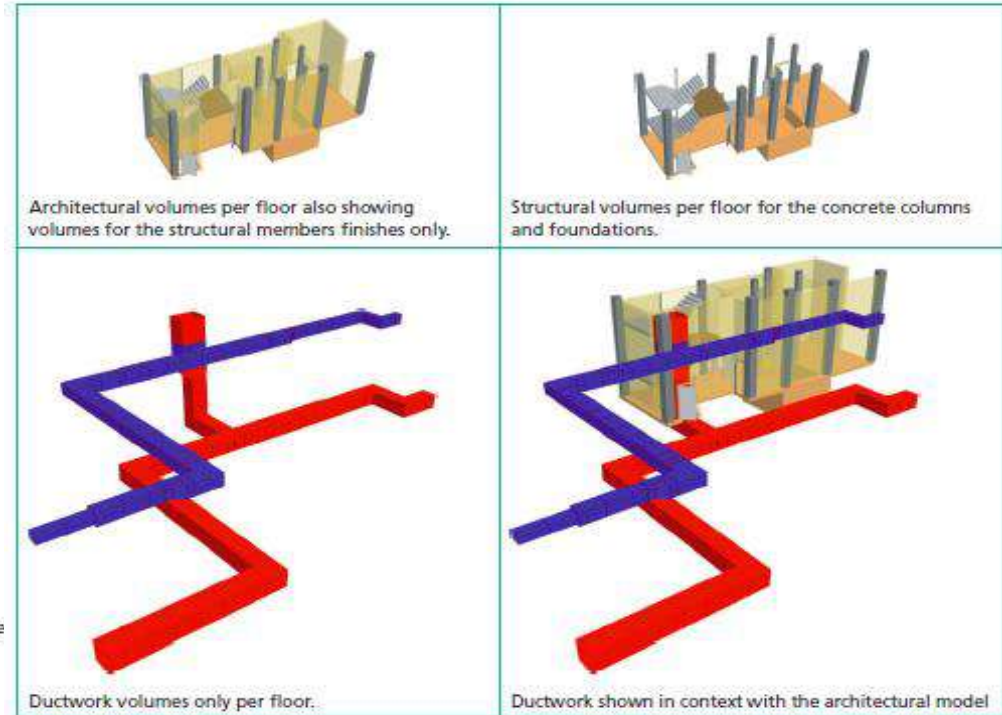
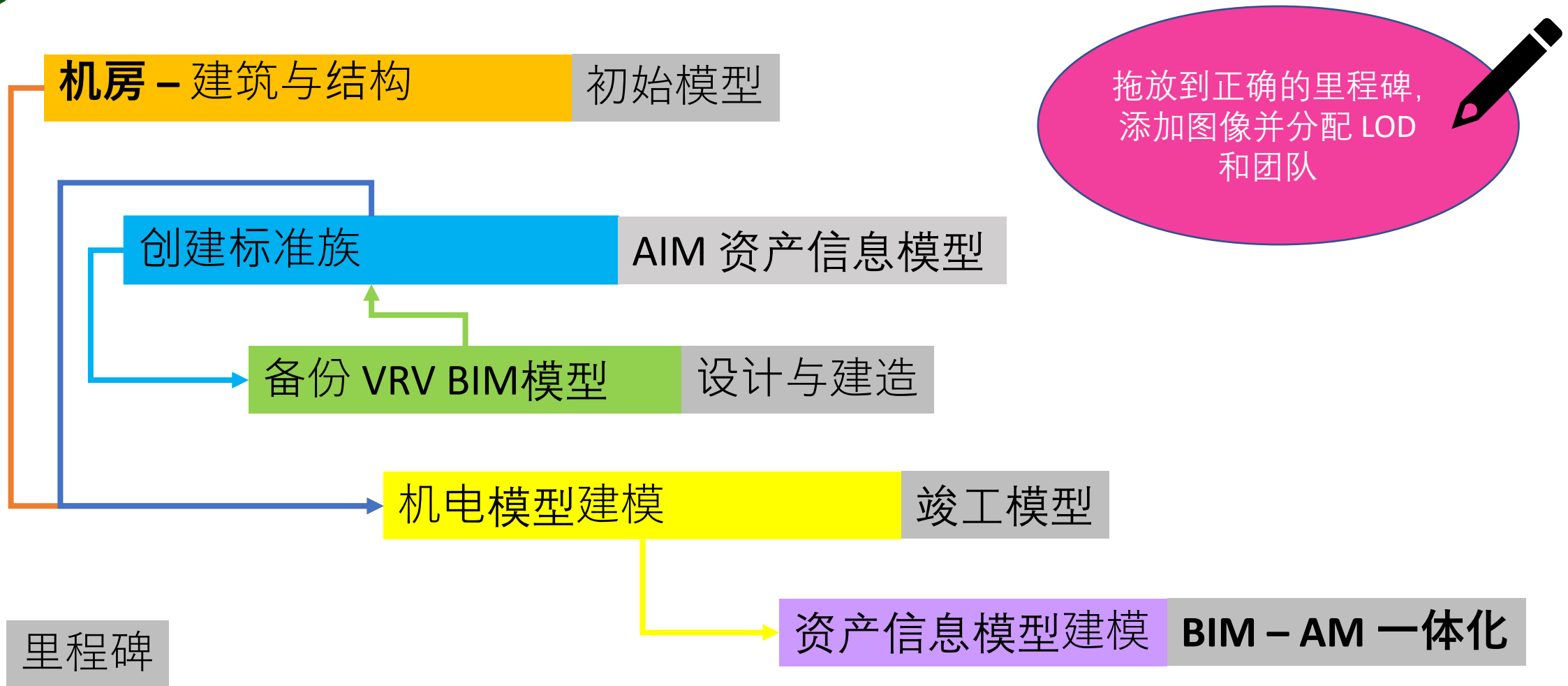


Figure 12 – Volumes within a building for spatial co-ordination





# 主要工作范围的相互关系





# 工作范围

My Cloud Home | Plannerly | Tasks | fun - Google Search

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

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

	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 - 30 Apr 2020
General						
200  Create Standard Revit Model Structure	MTE					
200  Site Walk	MTE					
200  Trial Laser Scan	PRO					
350  Trial BIM Model	MTE					
Architectural						
Mechanical						
Electrical						
Plumbing						
Telecommunications						
Fire Services						
Asset BIM Library Creation						
Meeting						
100  Study AM system	MTE					
Plant Rooms Scanning & Modelling						
350  Site Logistics Simulation for new equipment...						

TI Tower Case Study of Plannerly and

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# 工作范围-你建模的就是你建造的

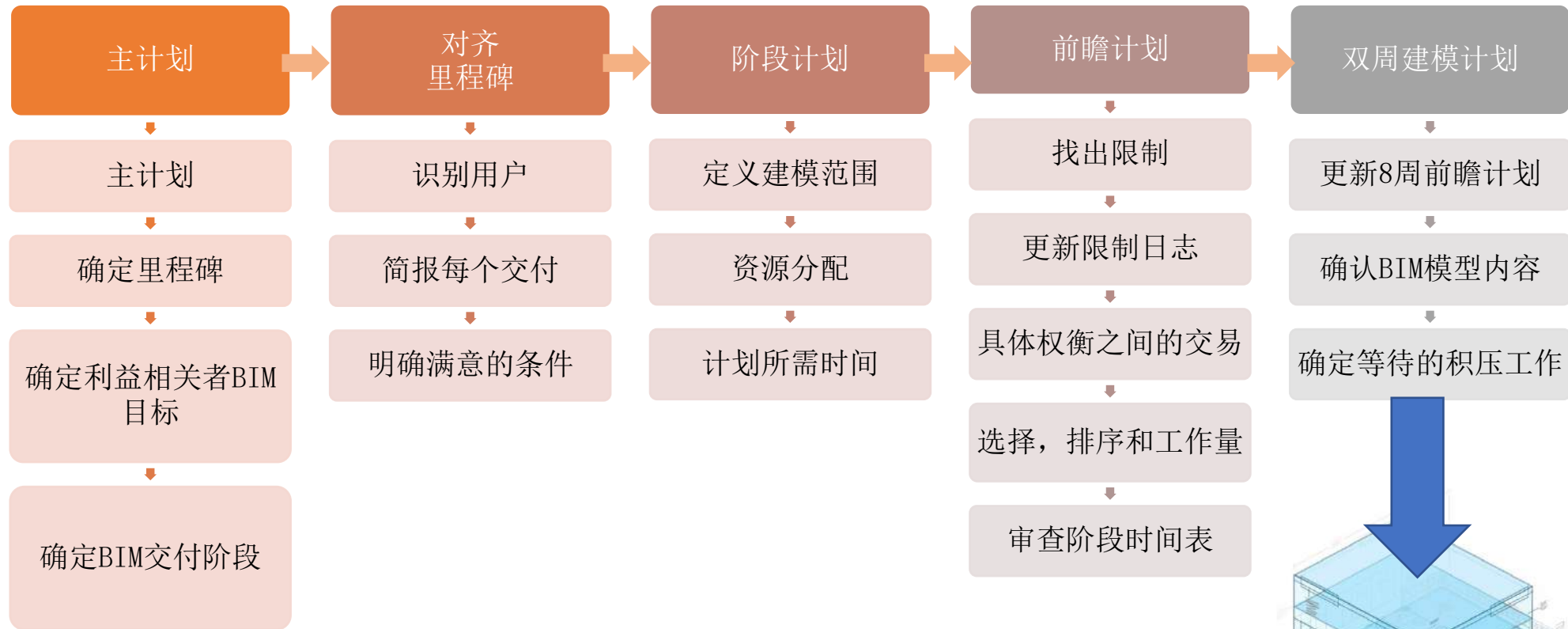
The screenshot shows the Plannerly web application interface. The browser address bar displays the URL: `app.plannerly.com/projects/2319c905-0b83-4a46-b2e8-8b24e37da01b/scope`. The navigation bar includes tabs for Plan, Scope, Contract, Schedule, Track, and Verify. The main content area is a table with columns for task names, LOD levels, and completion status. The tasks listed are:

Task Name	LOD	Status
Project Orientation	LOD 200	COMPLETED
Create Standard Revit Model Structure	LOD 200	COMPLETED
Site Walk	LOD 200	COMPLETED
Trial Laser Scan	LOD 200	COMPLETED
Trial BIM Model	LOD 350	COMPLETED
HVAC Air Distribution	LOD 350	Information

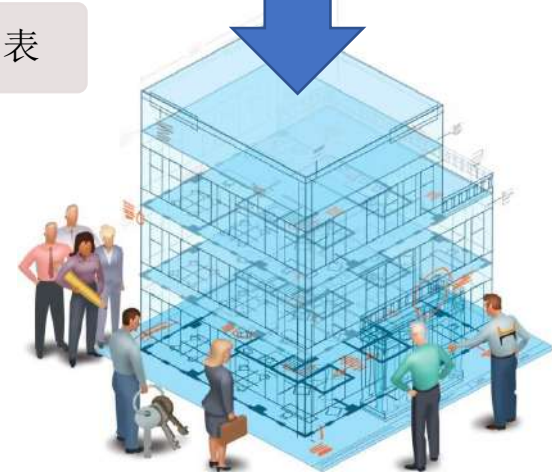
The screenshot shows a detailed view of a task titled "Trial Laser Scan" at LOD 200. The task is assigned to Jason and is in a "PRO" status. The description field is empty, with a placeholder "Type something...". The task has an attachment: `imgbin-laser-scanning-3d-scanner-faro-technologies-inc-scanner-others-uguPaqkFFF8eujd820pQB9kN.jpg`. The tracking information shows it was tracked as a group on 27 Aug 2019. The status is "Completed". The activity log shows that Stephen Au added an attachment to the task on 26 Feb 2020 at 12:42. A "Delete Task" button is visible at the bottom right.



# BIM建模规划系统工作流程

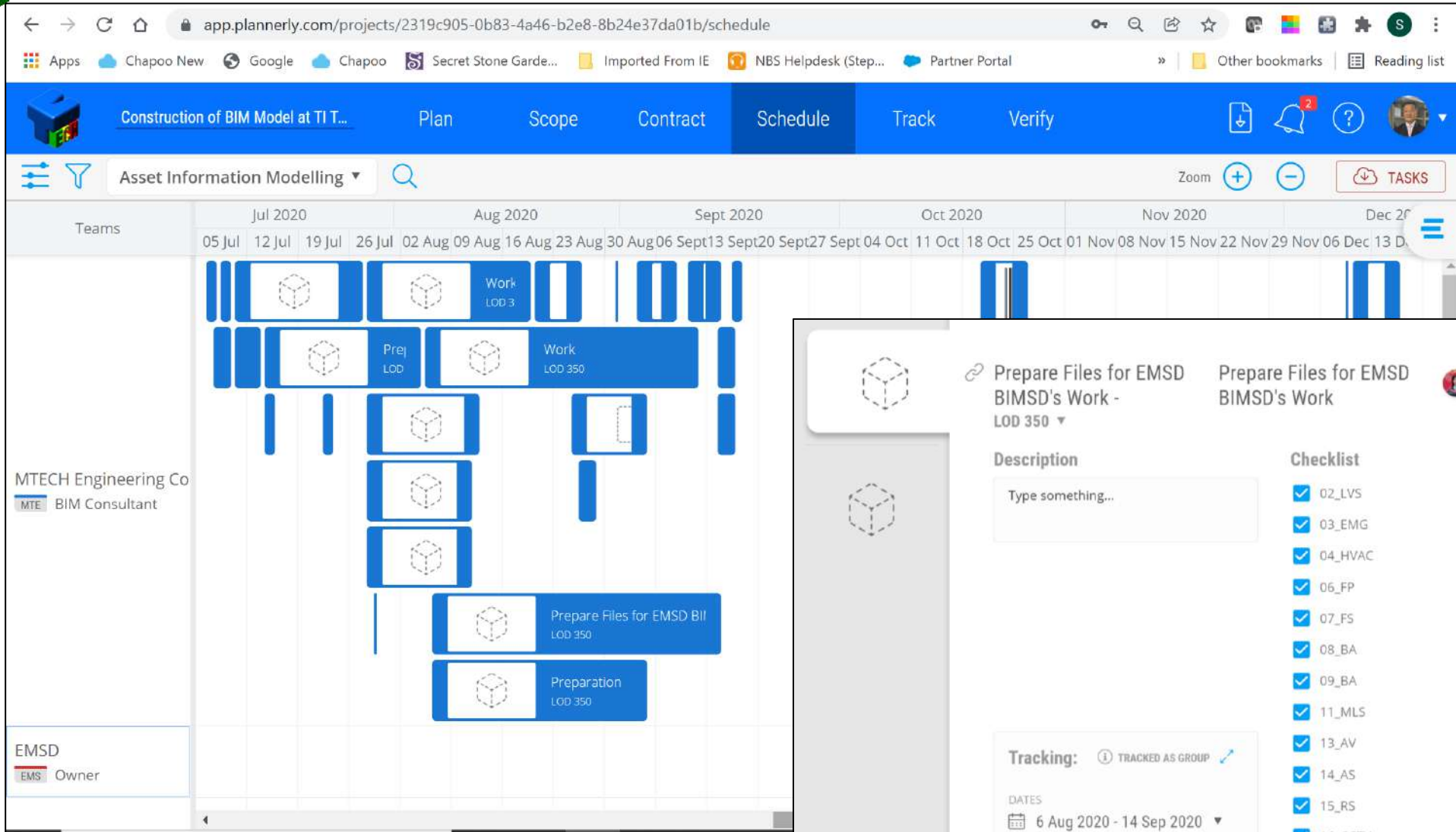


BIM建模与交付给予项目协调和设计审查





# 日程安排——质量保证的时间管理



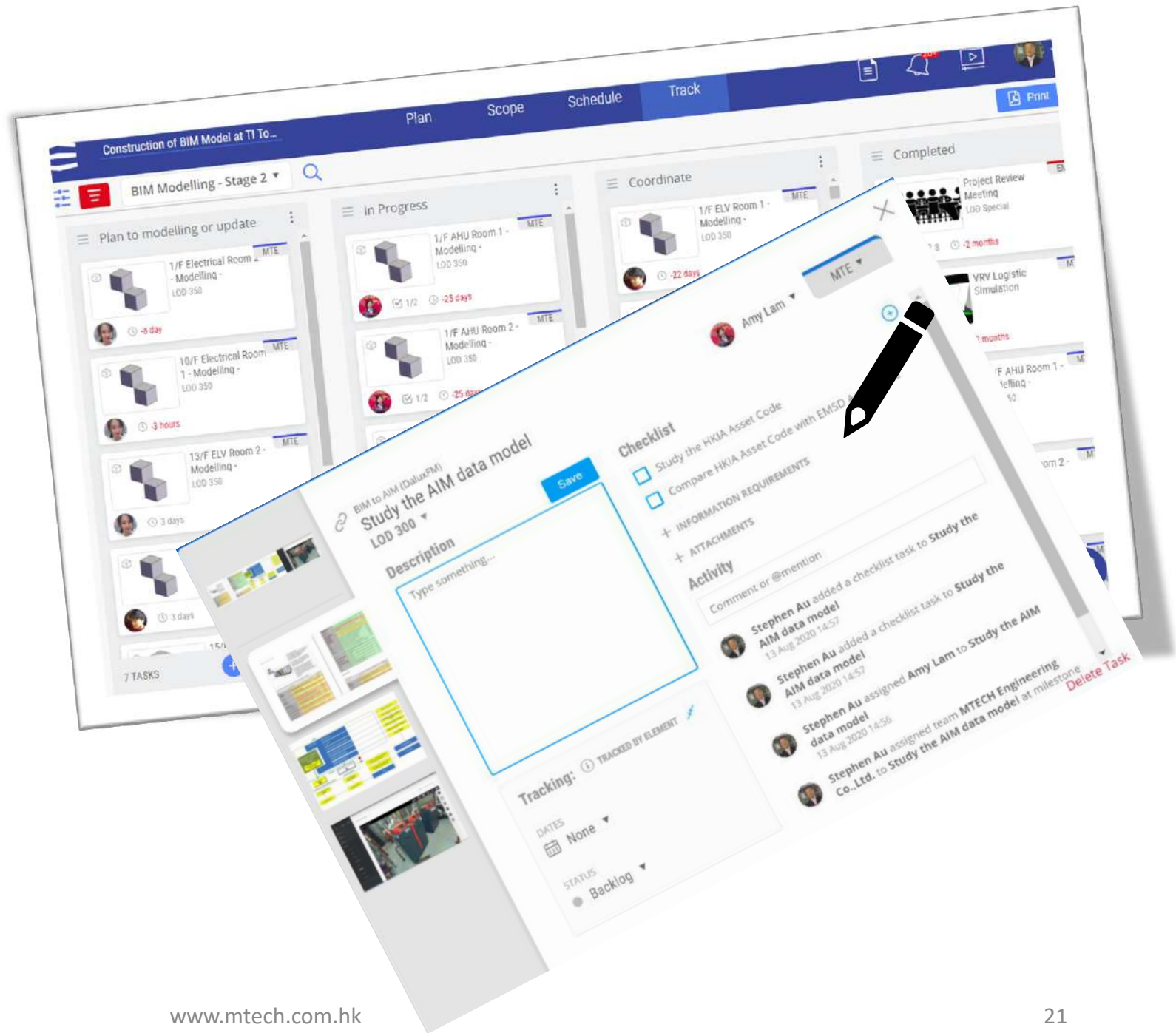
This block provides a detailed view of a task. The task is 'Prepare Files for EMSD BIMSD's Work - LOD 350'. The description field is empty. The checklist includes the following items:

- 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
- 18\_LTG

The task is tracked as a group and has a date range of 6 Aug 2020 - 14 Sep 2020. The status is 'Coordinate'.

# 任务卡操作

- 分配状态
  - 积压
  - 计划
  - 进行中
  - 协调
  - 已完成
- 放置或更新日期（时间表）
- 指定PIC（负责人）
- 根据需要添加需求
- 根据需要注意
- 根据需要添加检查表
  - 要做的事
  - 要点
- 根据需要添加附件
  - 索取资料
  - 问题
  - 报告





# 任务 - 扫描到 BIM

Construction of BIM Model at TI T... Plan Scope Contract **Schedule** Track Verify

BIM Modelling - Stage 1

Zoom (+) (-) TASKS

Teams	19	Sun 10 Nov 2019	Sun 17 Nov 2019	Sun 24 Nov 2019	Sun 01 Dec 2019	Sun 08 Dec 2019	Sun 15 Dec 2019	Sun 22 Dec 2019	Sun 29 Dec 2019	Sur															
	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	

MTECH Engineering Co  
MTE BIM Consultant

16/F AHU RM 2 - Modelling  
LOD 350

Description  
Type something...

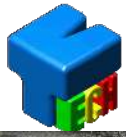
Activity  
Comment or @mention

No activity on this task

Tracking: TRACKED BY ELEMENT

DATES  
11 Nov 2019 - 26 Nov 2019

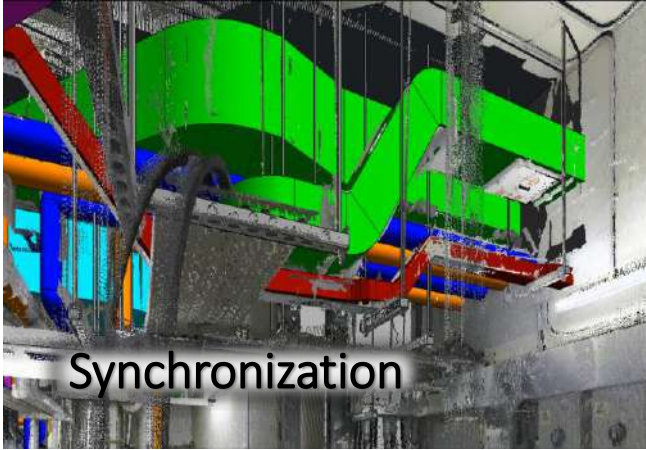
STATUS  
Completed



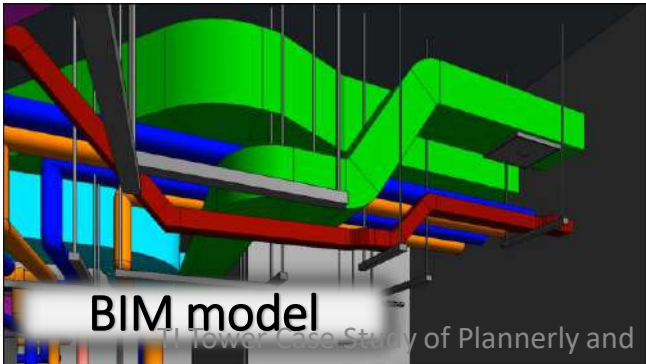
# 扫描到 BIM



Point cloud



Synchronization



BIM model

Case Study of Plannerly and Dalux - CN





# 跟踪 - 项目状态

Construction of BIM Model at TI T... Plan Scope

Asset Information Modelling

Backlog

- HVAC Air Distribution LOD 500
- HVAC Equipment LOD 500
- Water Pumping Equipment LOD 500
- Work LOD 350

7 TASKS  
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0 TASKS

1 TASK

26 TASKS

17% 0% 2%

Site Logistics Simulation for new equipment installation LOD 350

Description  
Type something...

Attachments  
Logistic Simulation\_16F-Animator1.mp4

Activity

- 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

Tracking: TRACKED AS GROUP

DATES  
26 Feb 2021 - 27 Feb 2021

STATUS  
Completed

Coordinate

- Barcode Label Printing
- Barcode Label Positioning (Virtual)
- Work LOD 350
- Work LOD 350

24

# 使用技巧

## • 对于 BIM 经理

- 每周一分配或更新范围
- 每周五更新时间表
- 每两周跟踪一次状态
- 为每个正式版本验证模型

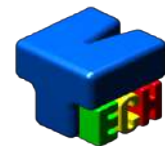
## • 对于建模师：

- 在早上开始 BIM 任务之前更新任务状态
- 每天离开办公室之前更新您的日程安排和任务状态

## • 对于项目利益相关者

- 将图像插入每张卡片以制作您的作品
- 使用 Copy 复制范围/任务卡
- 使用搜索和过滤器捕捉您想看到的内容





# BMPS 双周建模计划工作流程

	周一	周二	周三	周四	周五	.....	接下来周四
MTECH 后台		权衡优先， 资源及时间 安排	重新确认未 来7天内交 付				再次确认未来 7天交付
MTECH 现场 团队	更新2周 阶段时间 表	定义BIM 内容		确认下周后 2周 的BIM交付 时间表			
客户项目团 队							
每周协调会 议	协调会议，确定下一个BIM交付内容和时间表						
支持文件	8周阶段 BIM交付时 间表	BIM模型元 素列表	BIM交付时 间表		BIM交付时 间表		



# 验证 - 已构建的 BIM 模型

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

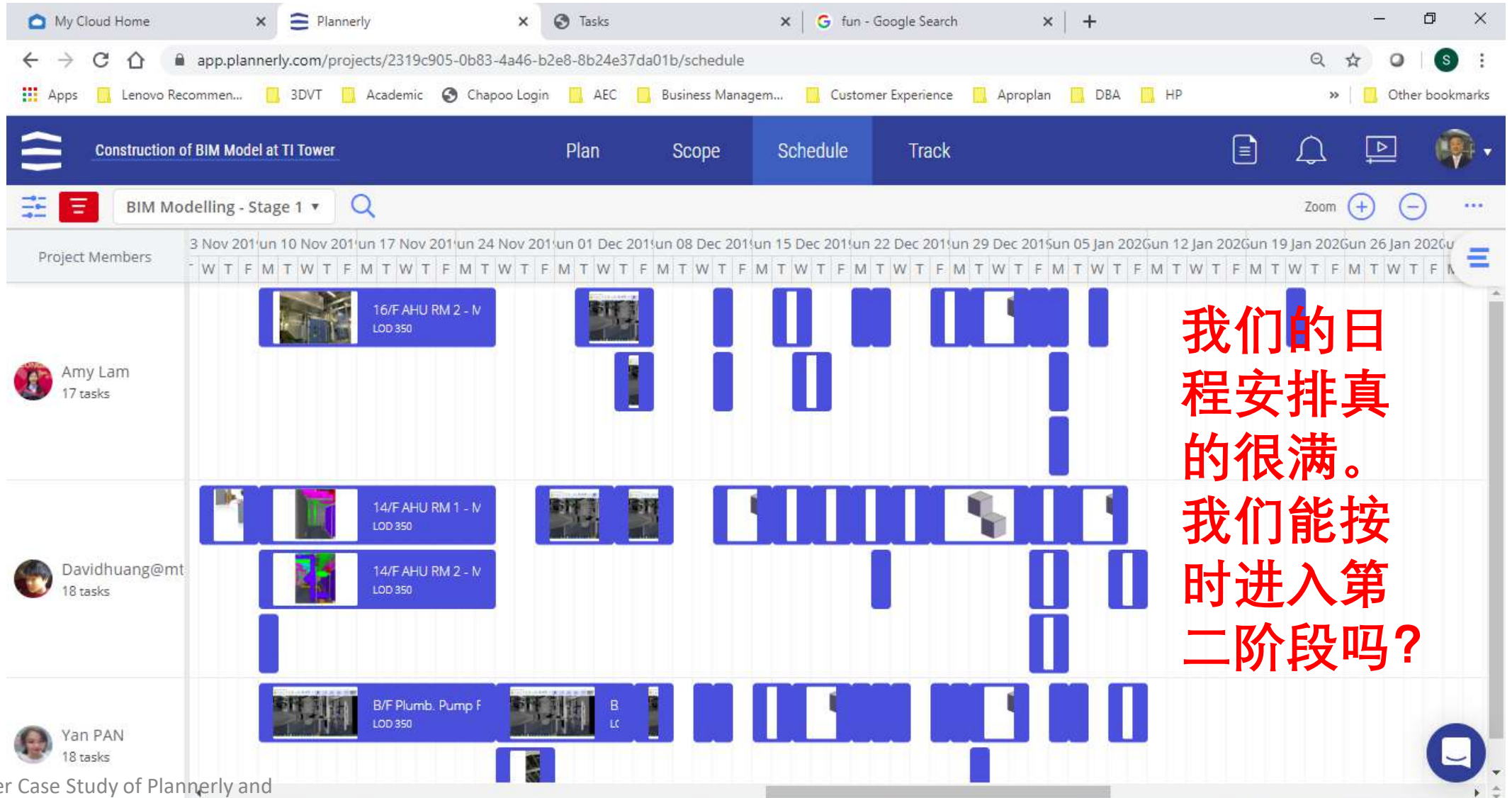
Tree

- > Doors
- > Duct Accessories
- > Duct Fittings
- > Duct Insulations
- > Ducts
  - > Rectangular Duct
    - > RCD-EMSD
    - > RCD-EMSD-TR-CCMS
    - > RCD-EMSD-TR-N
    - > TR-N
- > Electrical Equipment
- > Electrical Fixtures
- > Fire Alarm Devices
- > Flex Pipes
- > Floors

30 of 30 uploads remaining in December.



# 问题



我们的日程安排真的  
很满。  
我们能按时进入第  
二阶段吗？



# 跟踪状态

98% 的任务已在第一阶段完成。  
我们清楚地知道剩下的 2% 是什么。  
我们可以进入第二阶段!

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Dalux - CN





# Plannerly - 工業貿易大樓

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

MTECH Engineering Co.,Ltd.

BIM Consultant MTE

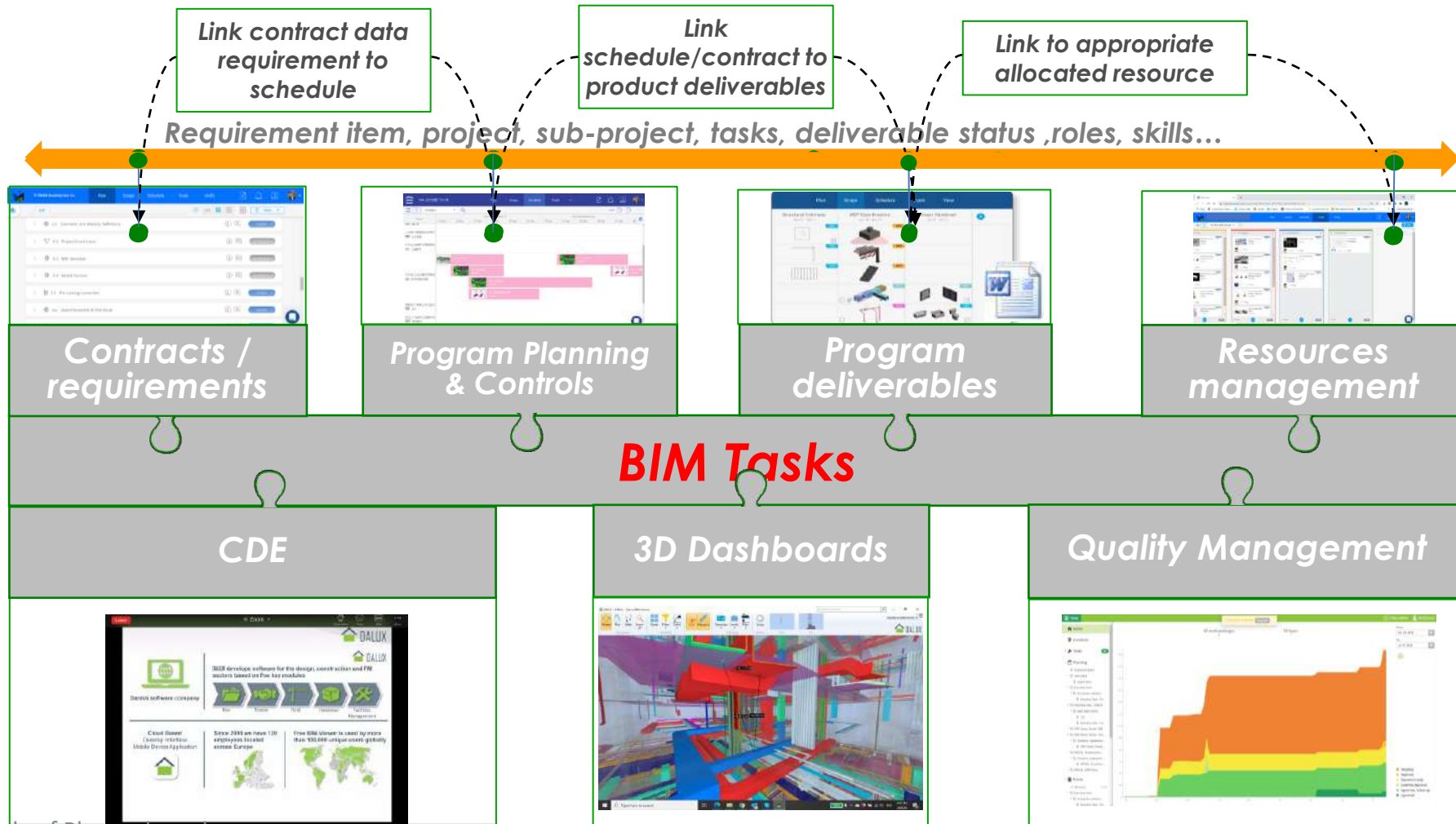
Name	Email	Phone	Role	Permissions
Alva Li	alvali@mtech.com.hk	--	G2 Team Leader	👑
Amy Lam	amylam@mtech.com.hk	--	Project Coordinator	👑
Davidhuang@mtech.com.hk	davidhuang@mtech.com.hk	13018595525	BIM Modeler	👤
Louie Moran	louie@plannerly.com	(951) 733-1794	BIM Guy	👑
Stephen Au	stephenau@mtech.com.hk	27551832	Project Director	👑
Timmy Hau	timmyhau@mtech.com.hk	93650892	BIM Manager	👑
Yan PAN	yanpan@mtech.com.hk	--	BIM Modeller	👤

Add Member



# BIM Project Management Architecture

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





# Dalux 运行项目

Projects X Projects

+ New project ⏻ Log out Q Search + New project ⏻ Log out Q Search

### Dalux Build

Drinking Water Facility ...	DSD - STSTW - As con...	DSD - STSTW - Progres...	DSD-CCSTW & PSSPS
EMSD - KTL	EMSD - MTR Tai Wai	EMSD-CAH	EXTENSION OF GOVER...
Extension of Hong Chi ...	HKHA - Java Road	HKIA - Boarding Gate	HKIA - Terminal 2 Expa...

### Dalux Build

DSD - STSTW - Progres...	DSD-CCSTW & PSSPS	EMSD - KTL	EMSD - MTR Tai Wai
EMSD-CAH	EXTENSION OF GOVER...	Extension of Hong Chi ...	HKHA - Java Road
HKIA - Boarding Gate	HKIA - Terminal 2 Expa...	HKIA VIP Lounge Renn...	HKSH



# BIM 协调的 5 个瓶颈

- 工件之间的低效转换，
- 缺乏适用于快节奏环境的易于使用的基本 BIM 模型导航，
- BIM 协调任务能力不足，
- 问题文档和知识捕获不足，
- 以及设计表示之间的一致。

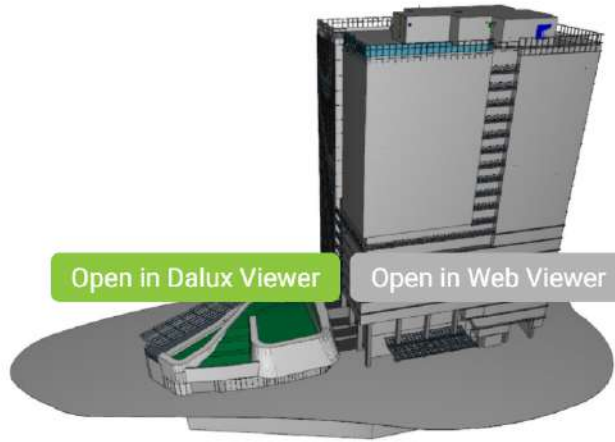
[https://www.researchgate.net/publication/321151854\\_Analysis\\_of\\_Bottlenecks\\_in\\_BIM-based\\_Building\\_Design\\_Coordination\\_Process\\_and\\_Benchmarking\\_State\\_of\\_the\\_Art\\_BIM\\_Tools](https://www.researchgate.net/publication/321151854_Analysis_of_Bottlenecks_in_BIM-based_Building_Design_Coordination_Process_and_Benchmarking_State_of_the_Art_BIM_Tools)

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bottlenecks observed		Functionality needed	
Challenge & Description	Functionality	Priority	
<b>Inefficient transitions between artifacts:</b> 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	
<b>Lack of easy to use basic BIM navigation for fast paced environments:</b> 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	
	<b>Inadequate BIM coordination task capabilities:</b> 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	
<b>Insufficient Issue Documentation &amp; Knowledge Capture:</b> 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	
<b>Lack of Communication, other design awareness, inconsistencies across designs:</b> 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	
<b>Legend:</b> 1:(Mehrbod, Staub-French, and Tory 2013), 2:(Mehrbod et al. 2015), 3:(Tory et al. 2008), 4:(Shafiq, Matthews, and Lockley 2013)			

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
- TAIT-NA-MEP-BA.daluxbim
- TAIT-NA-MEP-BR.daluxbim
- TAIT-NA-MEP-CCTV.daluxbim



Settings TI To



# Dalux Box - 公共数据环境

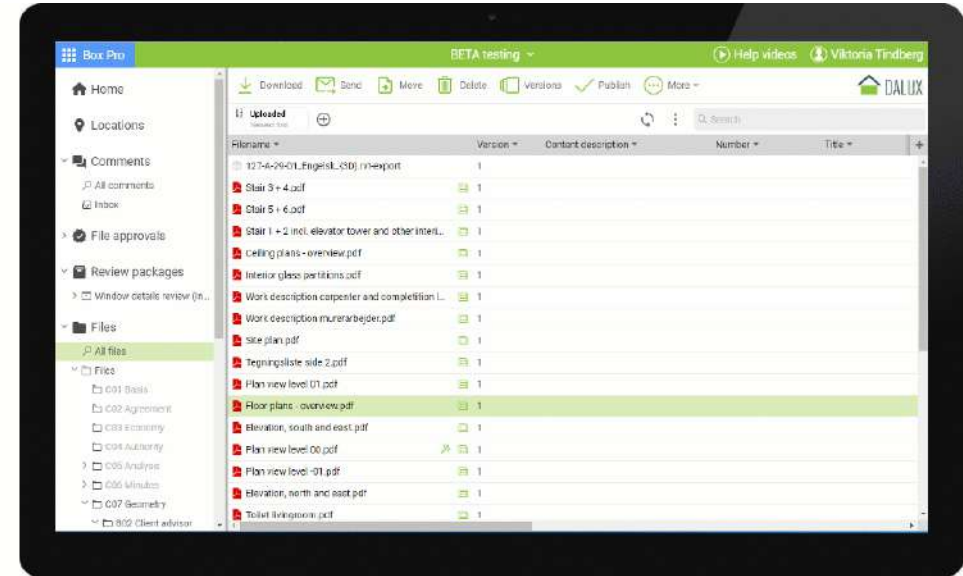
The screenshot displays the Dalux Box web application interface. On the left is a navigation sidebar with 'DALUX' branding and menu items: Dashboard, Locations, Box, Settings, and Help. The main content area is divided into three sections:

- File Browser:** Shows a tree view under 'Files' with folders like '01. Building\_Model', '02. Output', '03. Record & Document', and '04. Coordination'. Under '04. Coordination', there are sub-folders for 'Element Plus', 'JEB', 'JEC', 'MTech', and 'NEC'. Two files are listed under 'NEC': '20190919' (4 items) and '20191009' (1 item).
- Data Table:** A table with columns 'Filename', 'Version', and 'Content description'. The first row shows '20200416' with version '1'. Below the table is a preview of a spreadsheet with columns for 'Parameter Name', 'Description', 'Type', 'Unit', 'Example', and 'Min. values'. The table contains several rows of technical data.
- 3D Model Views:** Two 3D CAD models of industrial equipment are shown. The bottom-left view is a perspective view of a complex piping system with various colored components (green, blue, red, orange). The bottom-right view is a more detailed perspective of a large industrial vessel or tank with associated piping and structural elements.

At the bottom of the interface, there is a search bar with the text 'TI Tower Case Study of Plannerly and Dalux - CN' and a system tray showing the date '5/12/21' and time '4:11 PM'.

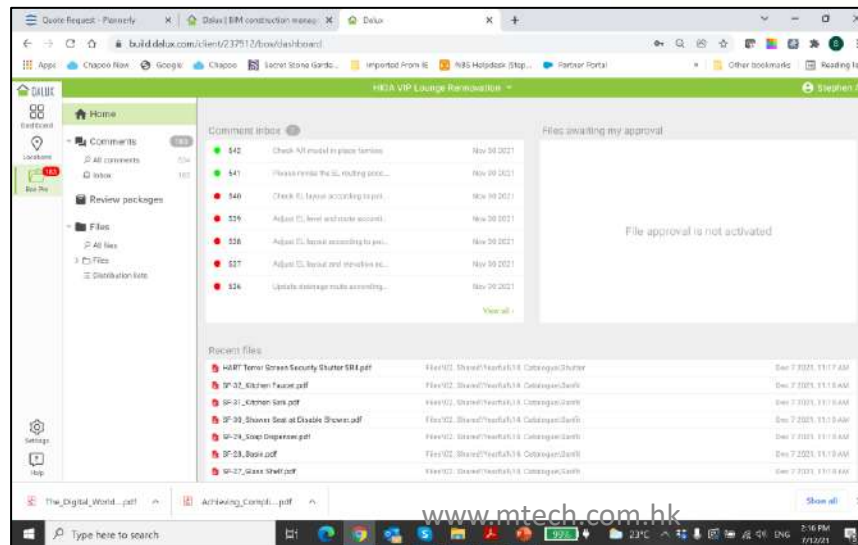


# 与在线模型查看器协作



- 带有 2D 绘图底图的 3D 盒子切割

- 2D 和 3D 导航

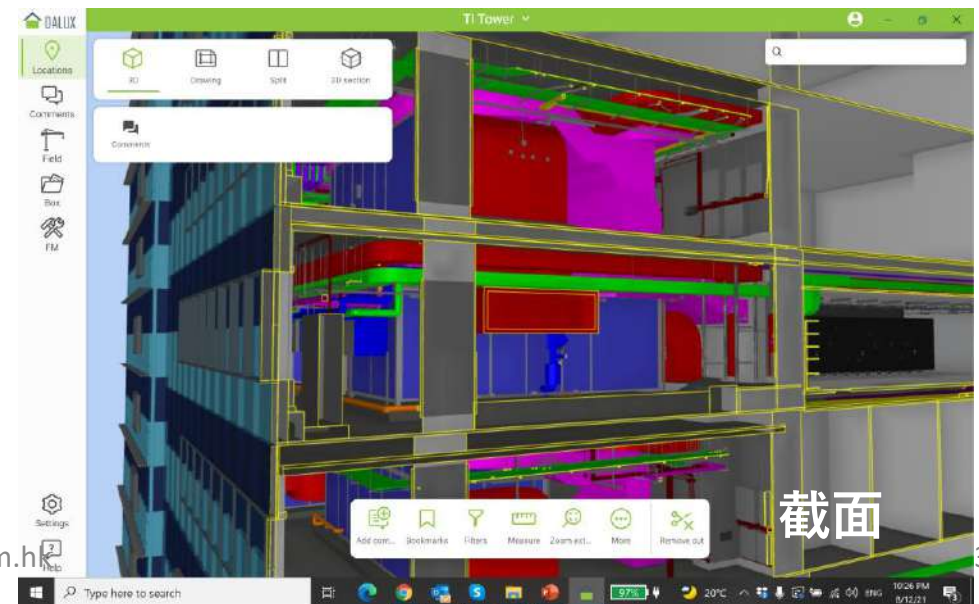
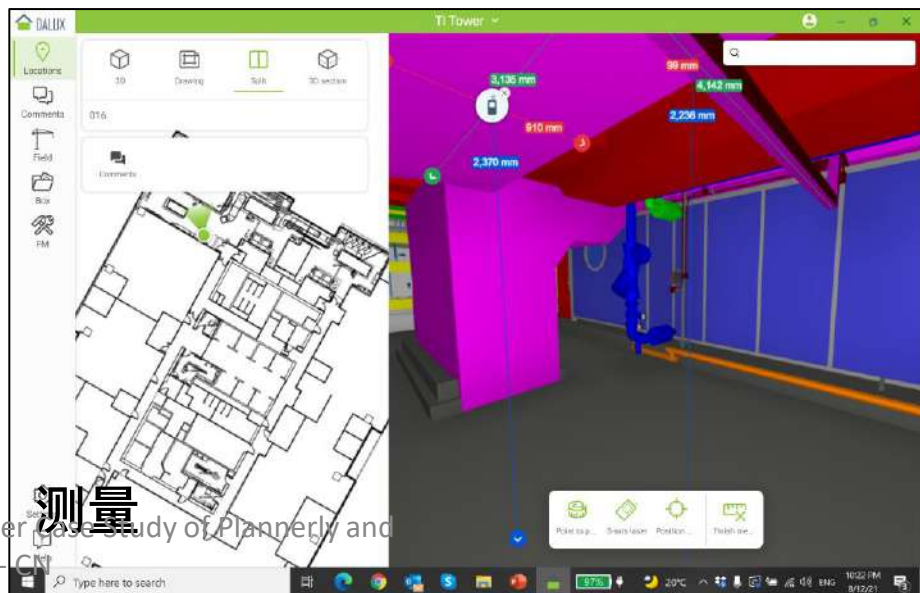


- Dalux Box Pro – CDE 公共数据环境

TI Tower Case Study of Plannerly and Dalux - CN



# Dalux Viewer BIM 模型查看器





# 通过 Dalux BOX Pro 进行 BIM 协调

TI Tower

Amy LAM

Locations

Upload Get Revit plug-in Get Navisworks plug-in Add person

Field

Box

TI Tower

You're not done yet!

50%

Watch help video

Levels >

Level	Height
VRV-016	108.000 m
VRV-014	100.000 m
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
014	65.250 m

Users

- Alva Li Administrator
- Amy LAM Administrator
- Anders Scheel Nielsen
- chan sze yuen
- David HUANG Administrator
- Hau Timmy Administrator
- jackylink@emsd.gov...
- Jeremy Ho
- Jimmy SIN
- leungtm@emsd.gov...
- Magnus Dahl Larsen

Drawings >

- 000.pdf
- 00M.pdf
- 001.pdf
- 002.pdf
- 003.pdf
- 004.pdf
- 005.pdf
- 006.pdf
- 007.pdf
- 008.pdf
- 009.pdf
- 010.pdf

+13

Help

BIM files >

- Facade.daluxbim
- TAIT-NA-A.daluxbim
- TAIT-NA-MEP-AS.daluxbim
- TAIT-NA-MEP-AV.daluxbim
- TAIT-NA-MEP-BA.daluxbim
- TAIT-NA-MEP-BR.daluxbim
- TAIT-NA-MEP-CCTV.daluxbim
- TAIT-NA-MEP-DR.daluxbim
- TAIT-NA-MEP-EL.daluxbim
- TAIT-NA-MEP-EMG.daluxbim
- TAIT-NA-MEP-FP.daluxbim
- TAIT-NA-MEP-FS.daluxbim

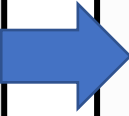
+8



# Dalux 仪表盘 – RFI/问题报告

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

Category	Item	Due Date	Status
Upcoming deadlines	Box - FS Modeling Issue	Dec 6 2021	On Track
	Box - Rolling Modeling Issue	Dec 6 2021	On Track
	Box - Kick Rail connection cl...	Dec 6 2021	On Track
Overdue deadlines	Box - Check AR model in pl...	Nov 30 2021	Overdue
	Box - Please revise the EL r...	Nov 30 2021	Overdue
	Box - Check EL layout acco...	Nov 30 2021	Overdue
	Box - Adjust EL level and ro...	Nov 30 2021	Overdue
	Box - Adjust EL layout acco...	Nov 30 2021	Overdue
	Box - Adjust EL layout end e...	Nov 30 2021	Overdue

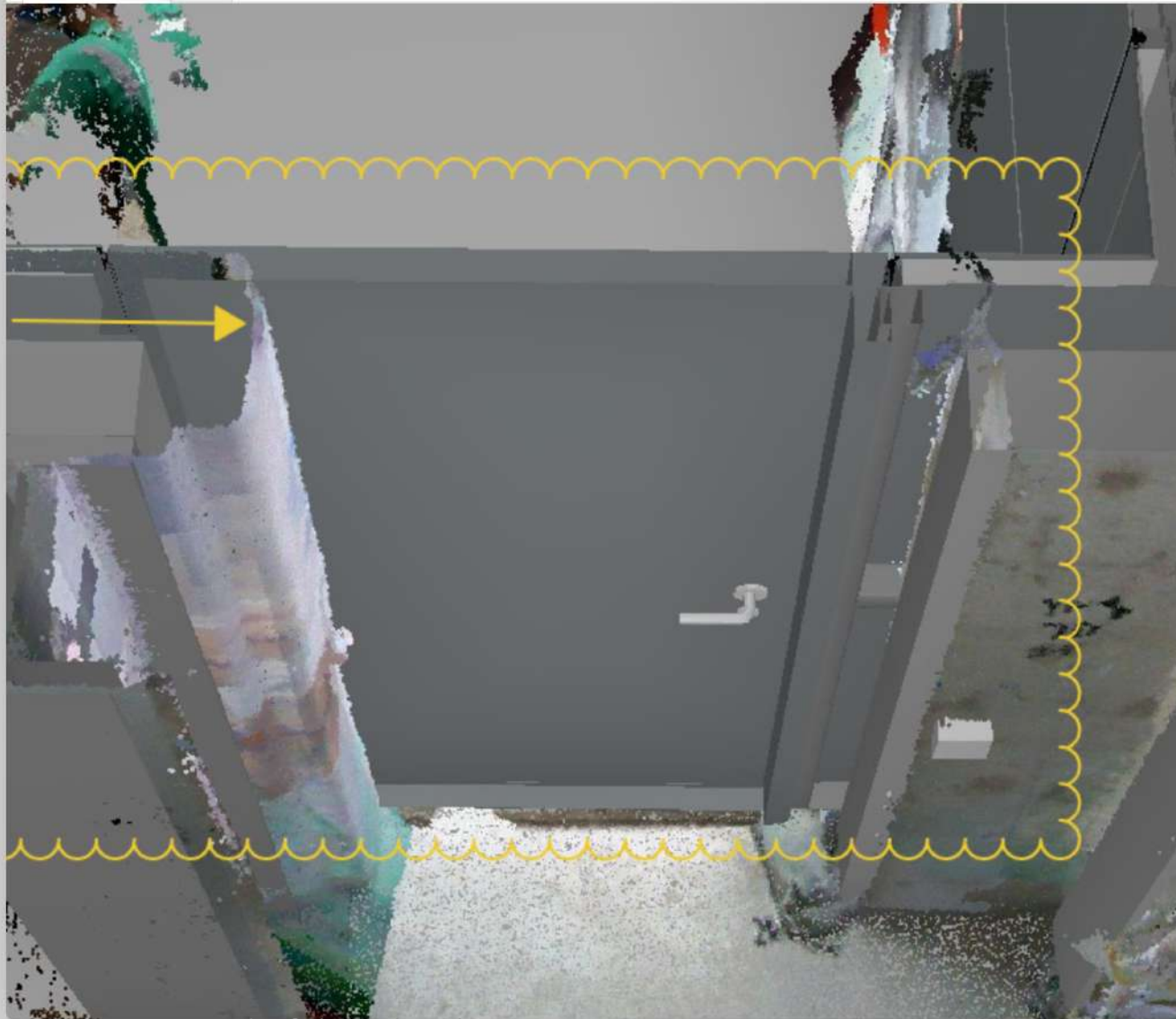


The task list provides a detailed view of all RFI/issue reports, including their titles, creation dates, descriptions, communication channels, and current statuses.

No.	Title	Created	Description	Communication channel	Type	Deadline	Status	Respon
220	TB2 Clash with BW7	Aug 16 2021, 11:52 AM	Naming	AAHK	Comment	Oct 11 20...	Resolved	BIM View
203	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 su...	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
179	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, unconti...	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 phishing 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, 10:21 AM		AAHK	Comment	Apr 30 20...	In Progress	BIM View
151	Ceiling Wall for Exposed BS	Jul 12 2021, 4:37 PM	Ceiling Wall for Exposed BS	HKIA VIP Lounge	Comment	Jul 19 2021	In Progress	BIM View
150	Revise Installation Detail for IMMI Signa...	Jul 12 2021, 4:32 PM	Revise Installation Detail for IMMI Si...	HKIA VIP Lounge	Comment	Jul 19 2021	In Progress	BIM View
145	DR clash	Jul 12 2021, 3:59 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	VVIP room,风机盘管与Ex电连接	HKIA VIP Lounge	Comment	Jul 19 2021	In Progress	BIM View
139	CIP 1 room 净高报告	Jul 7 2021, 10:09 AM	风机盘管管道最低只能做到2825...	HKIA VIP Lounge	Comment	Jul 12 2021	In Progress	BIM View
137	EX FS管碰撞NE MAVC	Jul 5 2021, 3:14 PM	EX的FS管碰撞NE - 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 ReportL	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

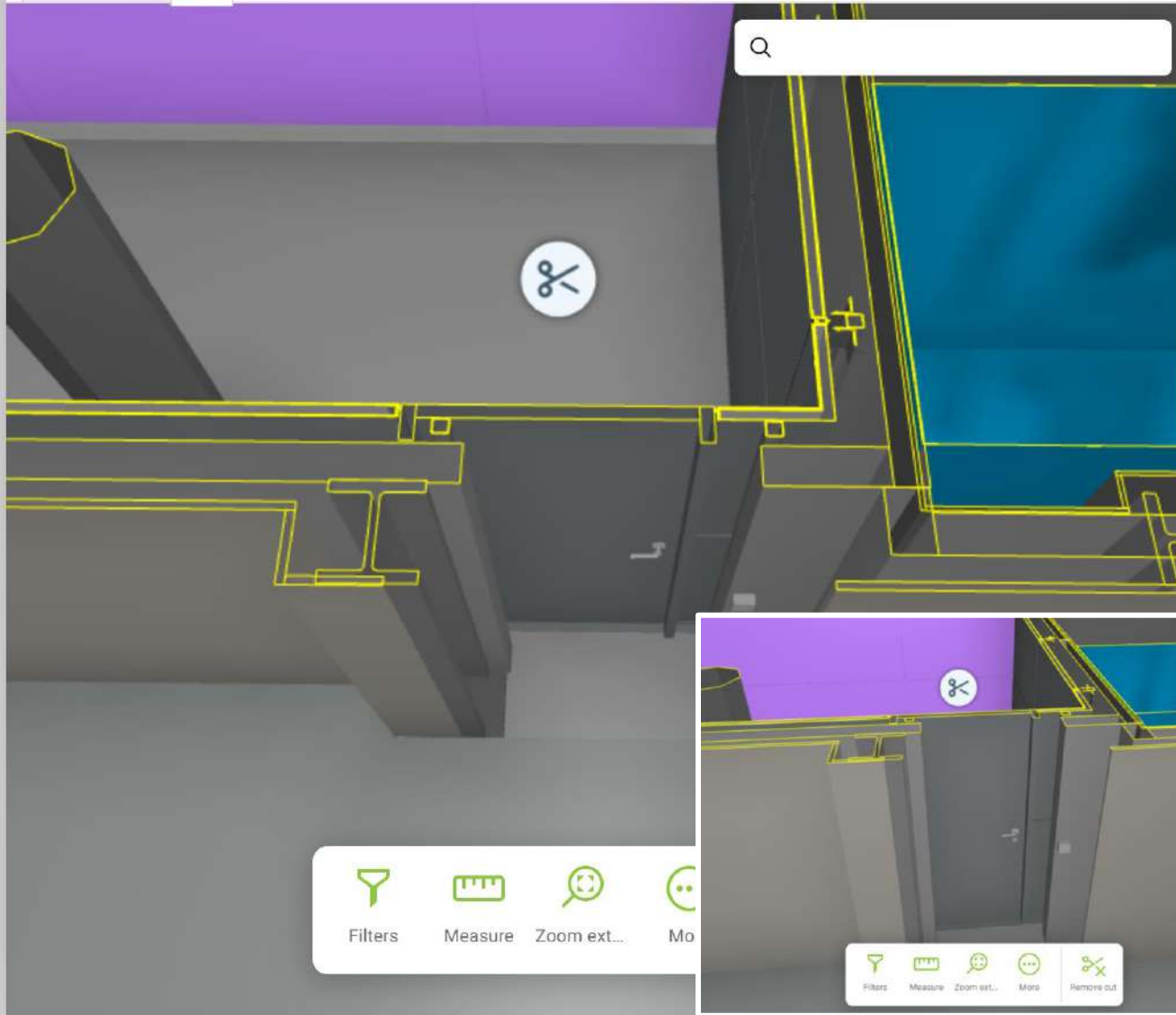
TI Tower Case Study of Plannerly and

# 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

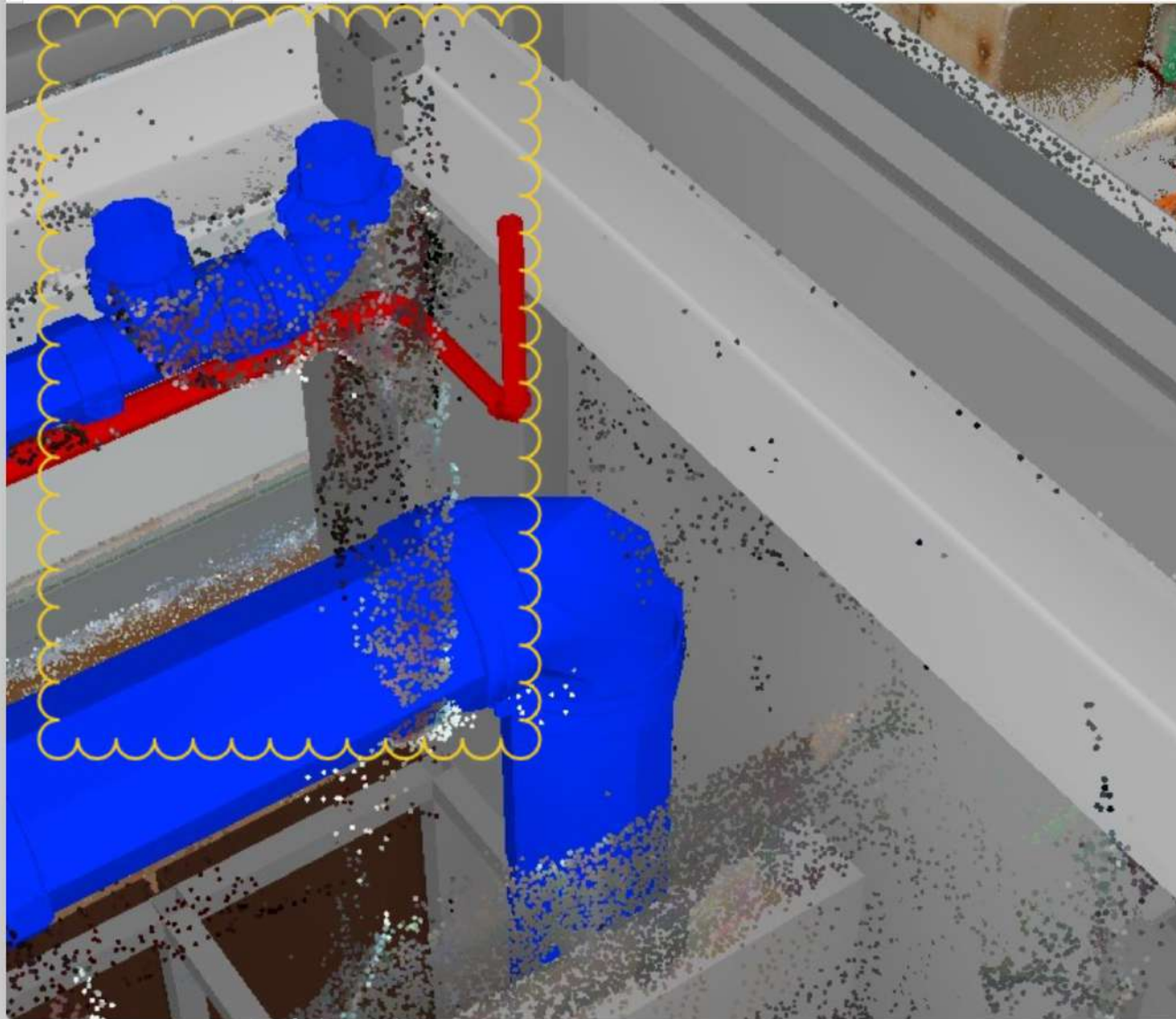
- Created - Responsible set to Matthew Yip
- Responsible group set to BIM Viewer users

# 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

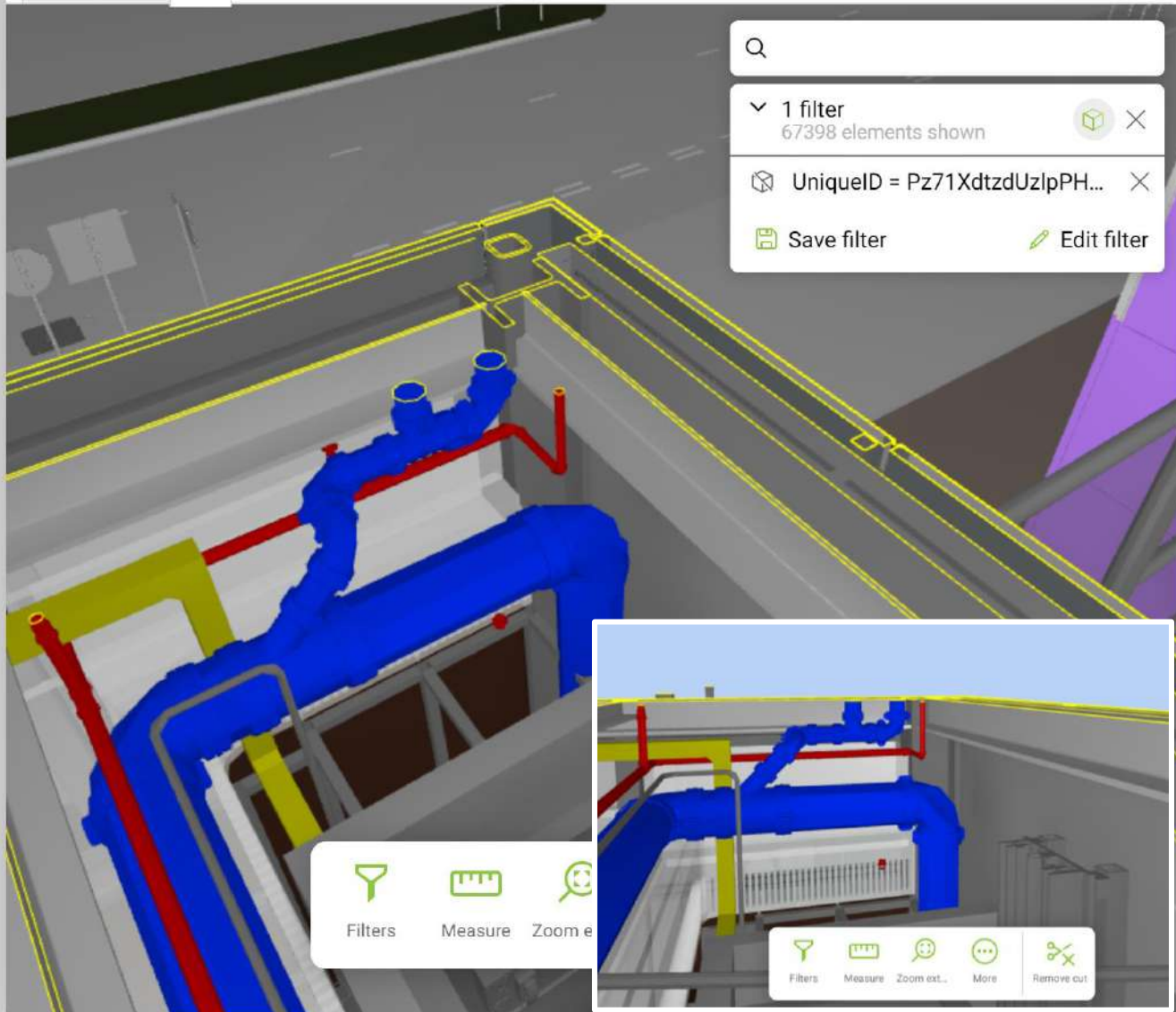
Nov 25 2021, 11:36 AM

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

II Tower Case Study of Plannerly and

# 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

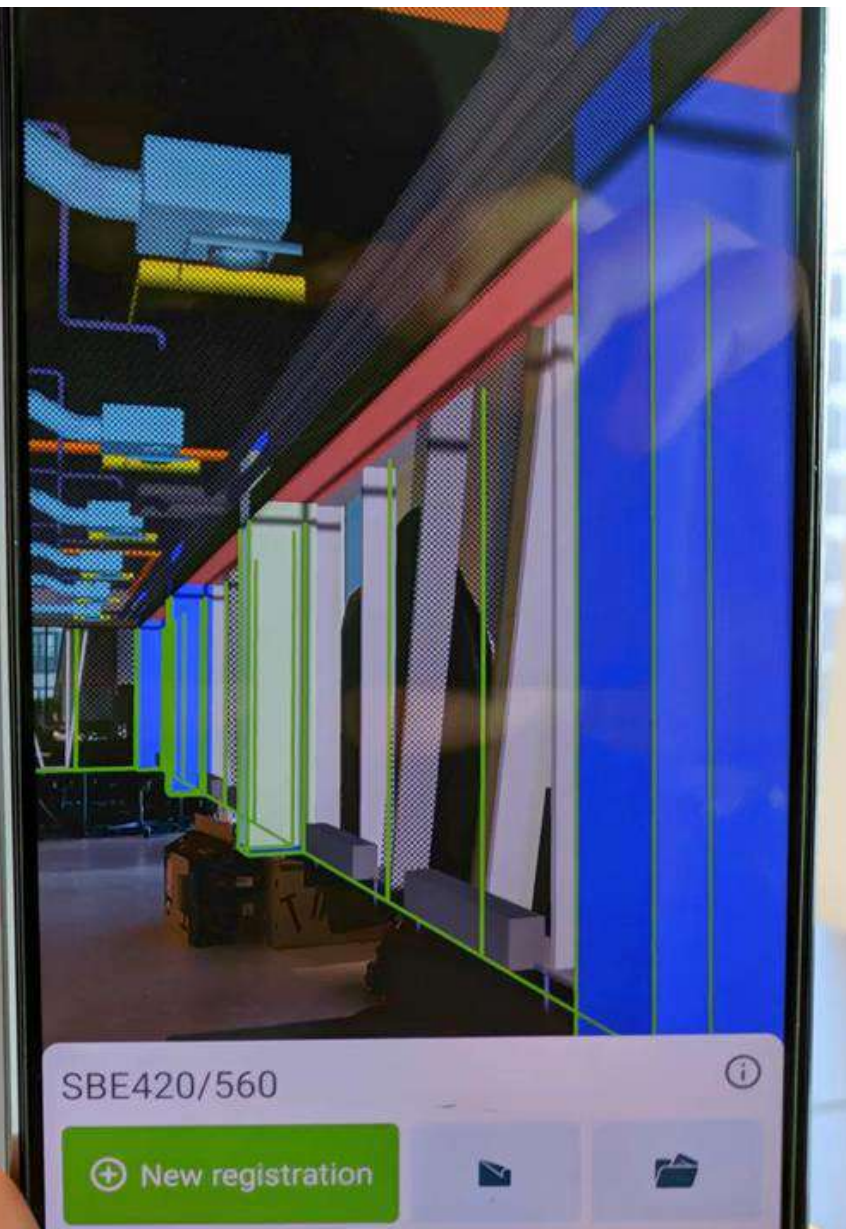
Nov 25 2021, 11:36 AM

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



# DIGITAL TWIN

Create workflows  
and tasks with  
BIM and AR





QUESTION & ANSWER  
[stephenua@mtech.com.hk](mailto:stephenua@mtech.com.hk)

[www.mtech.com.hk](http://www.mtech.com.hk)

