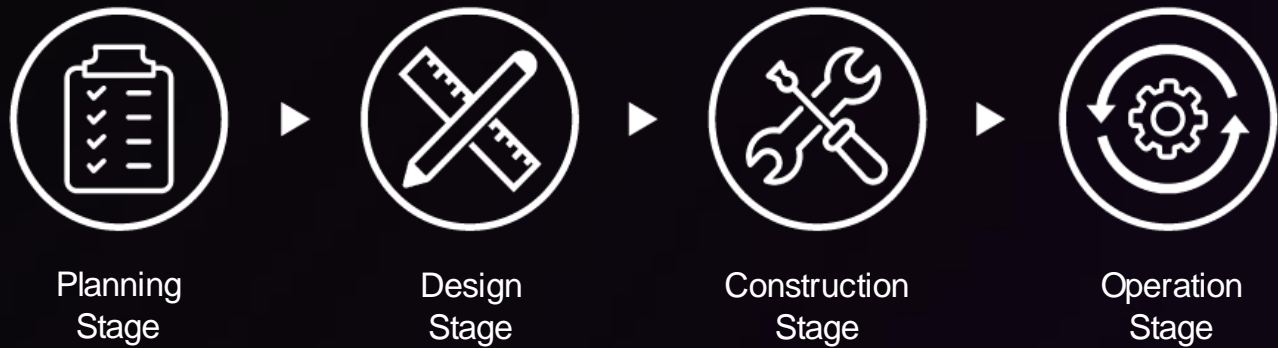


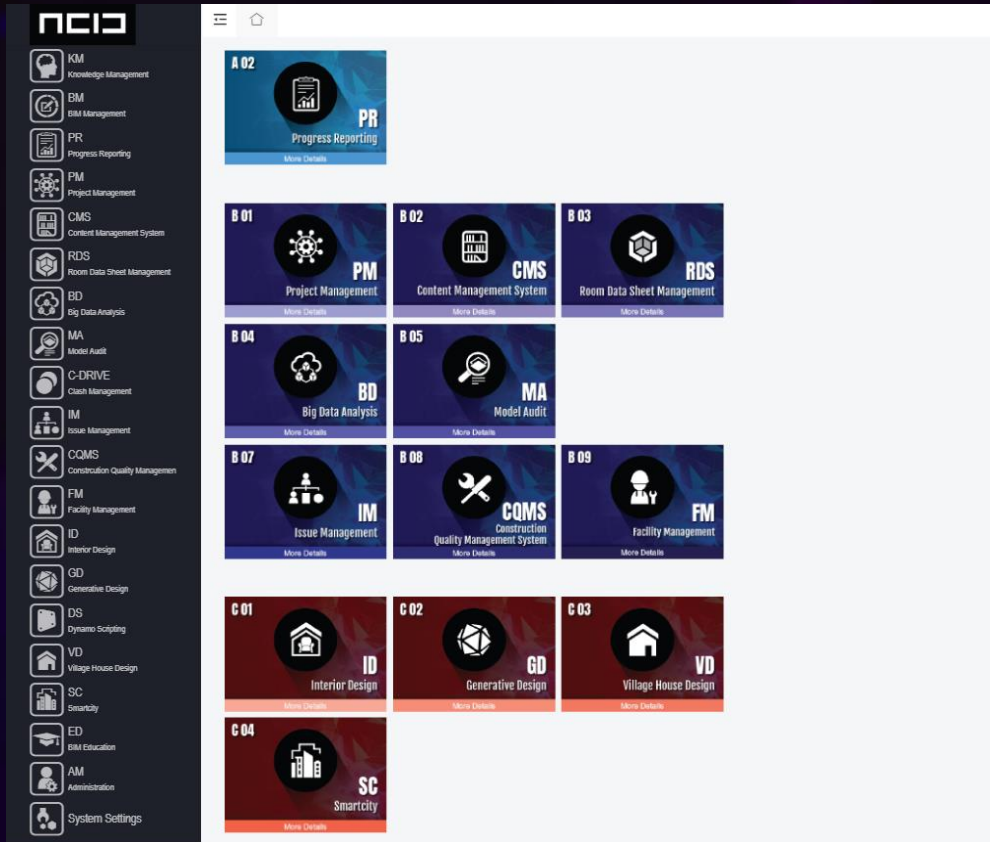
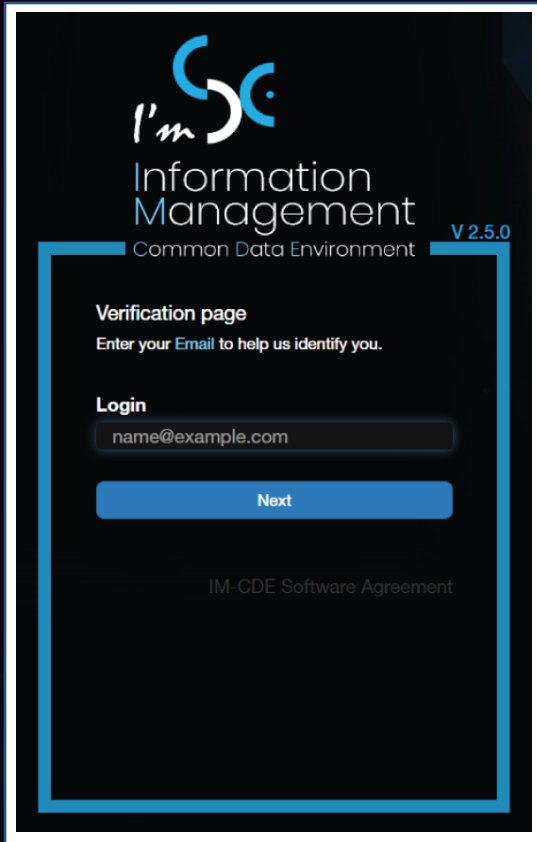
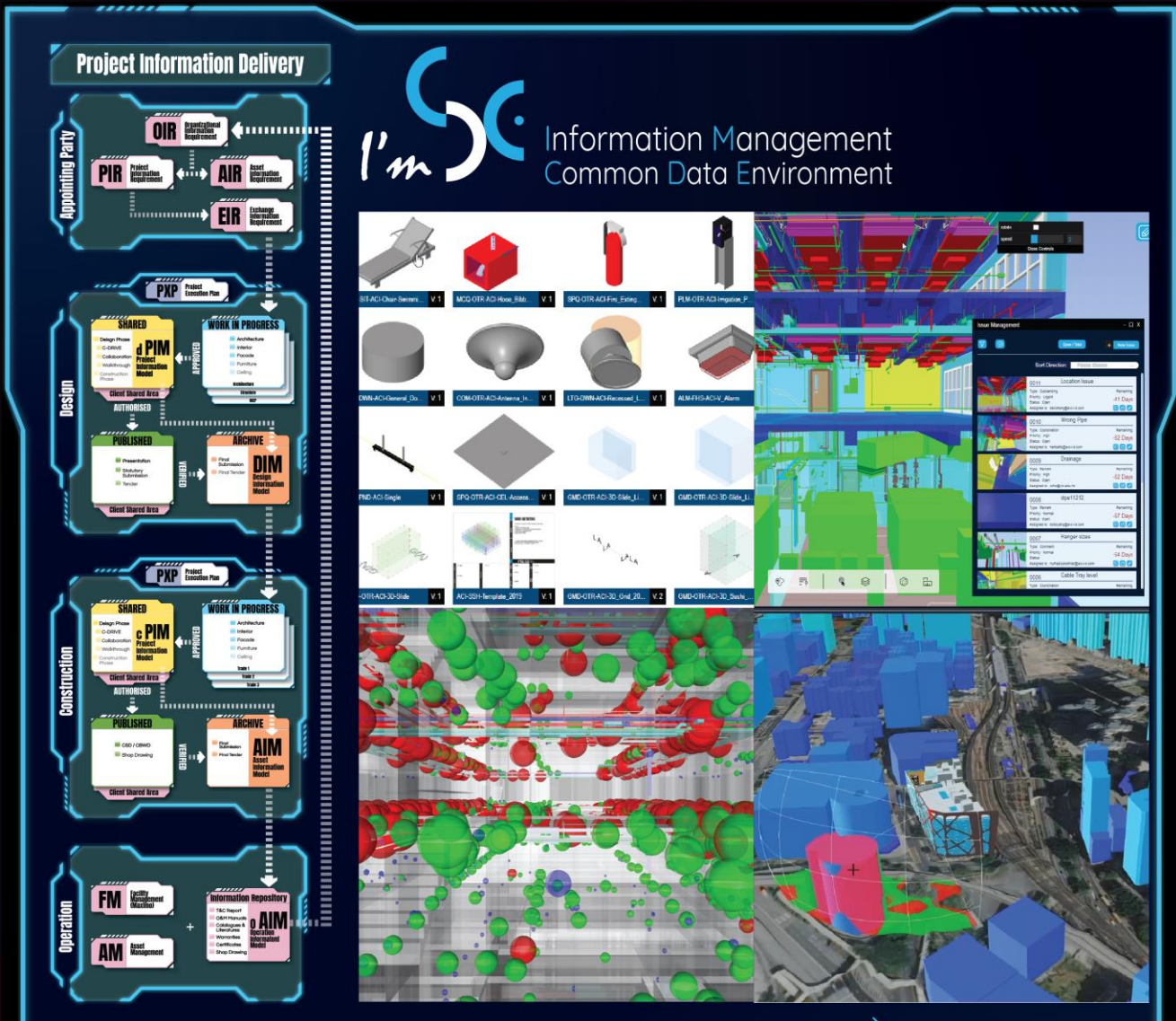
# Advanced Construction Information Development Limited

## IM-CDE : Cloud, Mobile and Metaverse

Information Management - Common Data Environment (IM-CDE)  
is a central repository where construction project information is housed spanning from



A **FULL** Project Life Cycle Information Management Platform.



Contents of the IM-CDE are not limited to assets created in a 'BIM environment' and it will therefore include documentation, graphical model and non-graphical assets. In using a single source of information collaboration between project members should be enhanced, mistakes reduced and duplication avoided.

## IM-CDE



imcde  
mobile

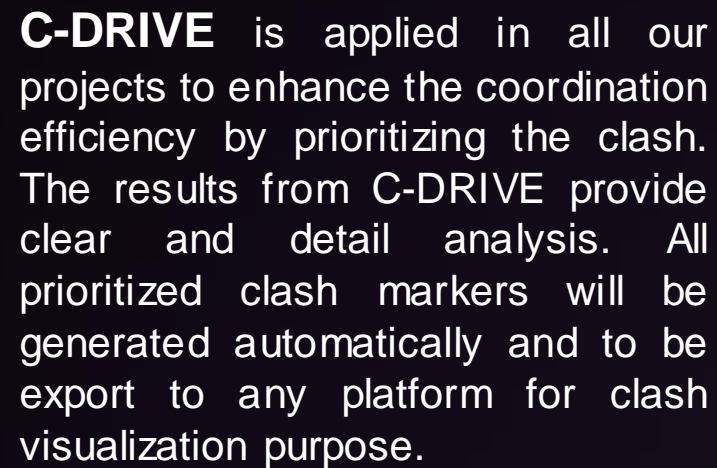
metacde

Web - Mobile - Metaverse

ISO 19650 Compliance with Block Chain Security

BIM Automation Arena: Software Application



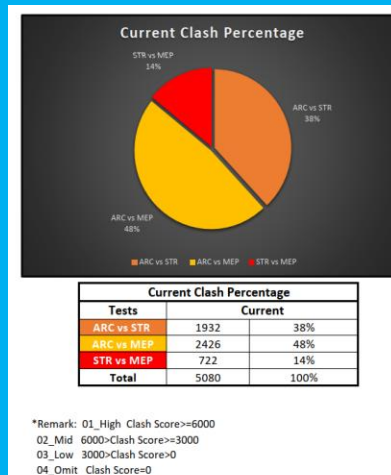
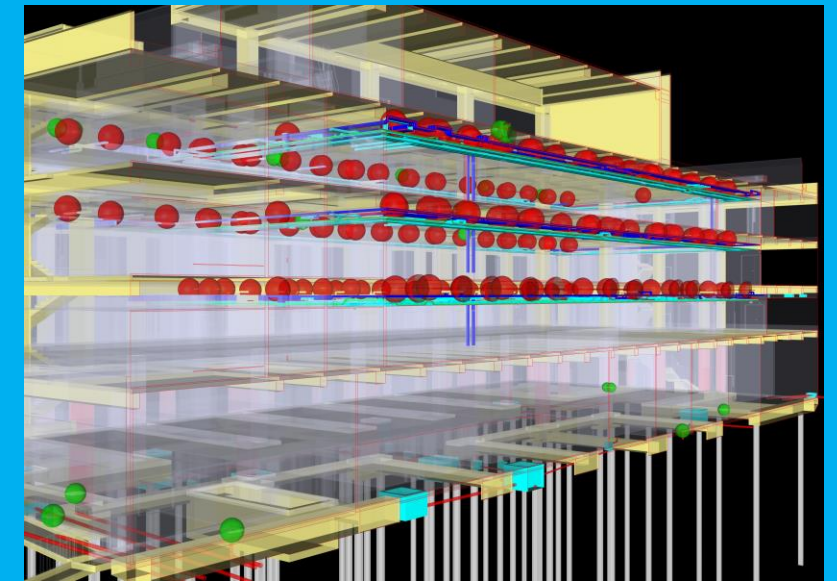


**Sushi View** is a semi-automatic program to prepare all 3D views according to grids and levels. This provides friendly camera angles for user and reduces the time in navigation in the meeting.

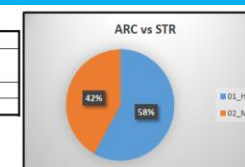
## Sushi View Setup for Navigation

The screenshot displays the 'Overall\_SV\_3D' software interface. On the left, a 3D model of a building structure is shown with numerous yellow and red markers indicating clashes. On the right, a 'CM Schedule' window is open, displaying a table of clash data. The table has columns for Test Name, Status, Clash Name, Category1, Category2, F, Item1, Item2, Score, and All. The data rows list various clashes between structural elements like Ducts, Walls, and Ceilings, along with their respective scores and dates.

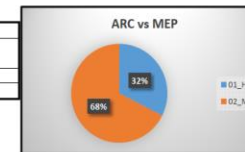
A	B	C	D	E	F	G	H	I
Test Name	Status	Clash Name	Category1	Category2	Item1	Item2	Score	All
05 STR VS BS	New	Clash1501	Structural Framing	Ducts	Structural Framing	Ducts	2000	31/1/2023
03 ARC VS BS	New	Clash5088	Structural Framing	Ducts	Structural Framing	Ducts	2000	31/1/2023
04 STR VS STR	New	Clash46	Structural Framing	Structural Framing	Structural Framing	Structural Framing	8100	31/1/2023
04 STR VS STR	New	Clash22	Structural Framing	Structural Framing	Structural Framing	Structural Framing	8100	31/1/2023
02 ARC VS STR	New	Clash2309	Columns	Walls	Columns-COL	Walls	200 000	8000
02 ARC VS STR	New	Clash2332	Columns	Walls	Columns-COL	Walls	200 000	8000
06 BS VS BS	New	Clash3454	Ducts	Ducts	Ducts	Ducts	250 000	8000
03 ARC VS BS	New	Clash4846	Walls	Air Terminals	Walls-WALL-FIN	Air Terminals	8000	31/1/2023
03 ARC VS BS	New	Clash5027	Walls	Ducts	Walls-WALL-FIN	Ducts	8000	31/1/2023
03 ARC VS BS	New	Clash2525	Walls	Air Terminals	Walls-WALL-BR	Air Terminals	8000	31/1/2023
03 ARC VS BS	New	Clash2526	Walls	Air Terminals	Walls-WALL-BR	Air Terminals	8000	31/1/2023
03 ARC VS BS	New	Clash2540	Walls	Ducts	Walls-WALL-BR	Ducts	8000	31/1/2023
03 ARC VS BS	New	Clash2550	Walls	Air Terminals	Walls-WALL-BR	Air Terminals	8000	31/1/2023
03 ARC VS BS	New	Clash2554	Walls	Air Terminals	Walls-WALL-BR	Air Terminals	8000	31/1/2023
03 ARC VS BS	New	Clash2561	Walls	Air Terminals	Walls-WALL-BR	Air Terminals	8000	31/1/2023
03 ARC VS BS	New	Clash2570	Walls	Air Terminals	Walls-WALL-BR	Air Terminals	8000	31/1/2023
03 ARC VS BS	New	Clash2576	Walls	Air Terminals	Walls-WALL-BR	Air Terminals	8000	31/1/2023
02 ARC VS STR	New	Clash2364	Walls	Structural Columns	Walls-WALL-FIN	Structural Columns	8000	31/1/2023
		Clash2365	Walls	Structural Columns	Walls-WALL-FIN	Structural Columns	8000	31/1/2023
		M4884	Ceilings	Ducts	Ceilings-CELI	Ducts	6500	31/1/2023
		M4884	Ceilings	Ducts	Ceilings-CELI	Ducts	6500	31/1/2023
		M4922	Ceilings	Ducts	Ceilings-CELI	Ducts	6500	31/1/2023
		M4980	Ceilings	Ducts	Ceilings-CELI	Ducts	6500	31/1/2023
		M4981	Ceilings	Ducts	Ceilings-CELI	Ducts	6500	31/1/2023
		M5087	Ceilings	Ducts	Ceilings-CELI	Ducts	6500	31/1/2023
		M5088	Ceilings	Ducts	Ceilings-CELI	Ducts	6500	31/1/2023
		M5103	Ceilings	Ducts	Ceilings-CELI	Ducts	6500	31/1/2023
		M5121	Ceilings	Ducts	Ceilings-CELI	Ducts	6500	31/1/2023
		M5122	Ceilings	Ducts	Ceilings-CELI	Ducts	6500	31/1/2023
		M5431	Cable Trays	Ducts	Cable Tray	Cable Trays	6400	31/1/2023
		M3401	Cable Trays	Ducts	Cable Tray	Cable Trays	6400	31/1/2023
		M3429	Cable Trays	Ducts	Cable Tray	Cable Trays	6400	31/1/2023
		M3460	Cable Trays	Ducts	Cable Tray	Cable Trays	6400	31/1/2023
		M4939	Walls	Ducts	Walls-WALL-BR	Ducts	6400	31/1/2023
		M4841	Walls	Ducts	Walls-WALL-BR	Ducts	6400	31/1/2023
		M4887	Walls	Ducts	Walls-WALL-FIN	Ducts	6400	31/1/2023



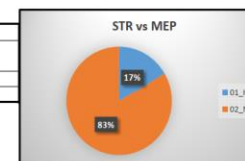
Test	Clash Count	
ARC vs STR	Total Critical Clash	2488
Clash Score Analysis	01_High	1443
	02_Mid	1045



Test	Clash Count	
ARC vs MEP	Total Critical Clash	1707
Clash Score Analysis	01_High	554
	02_Mid	1153

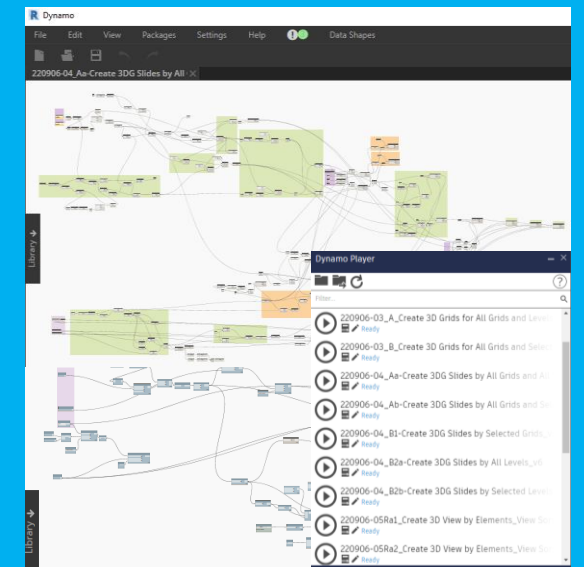
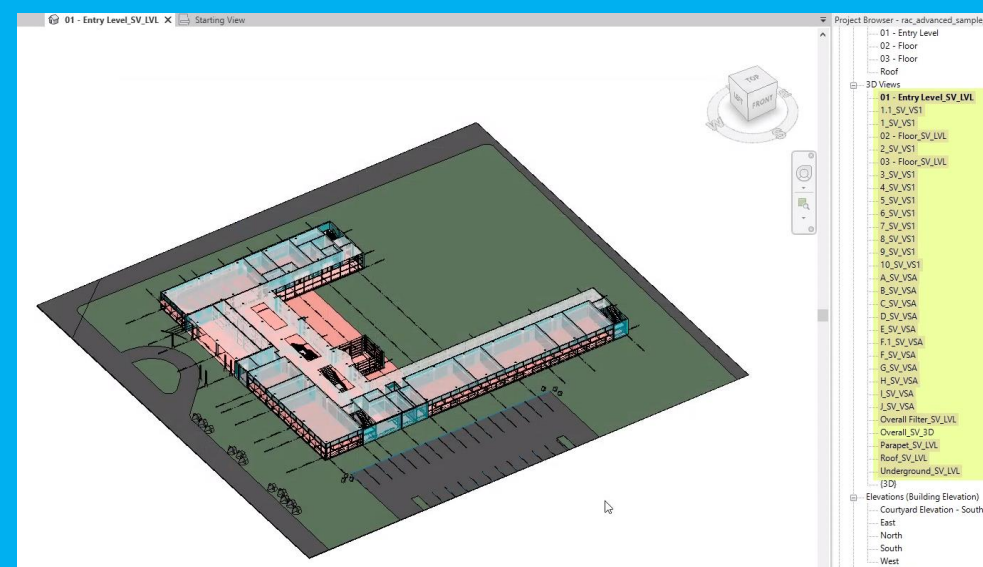
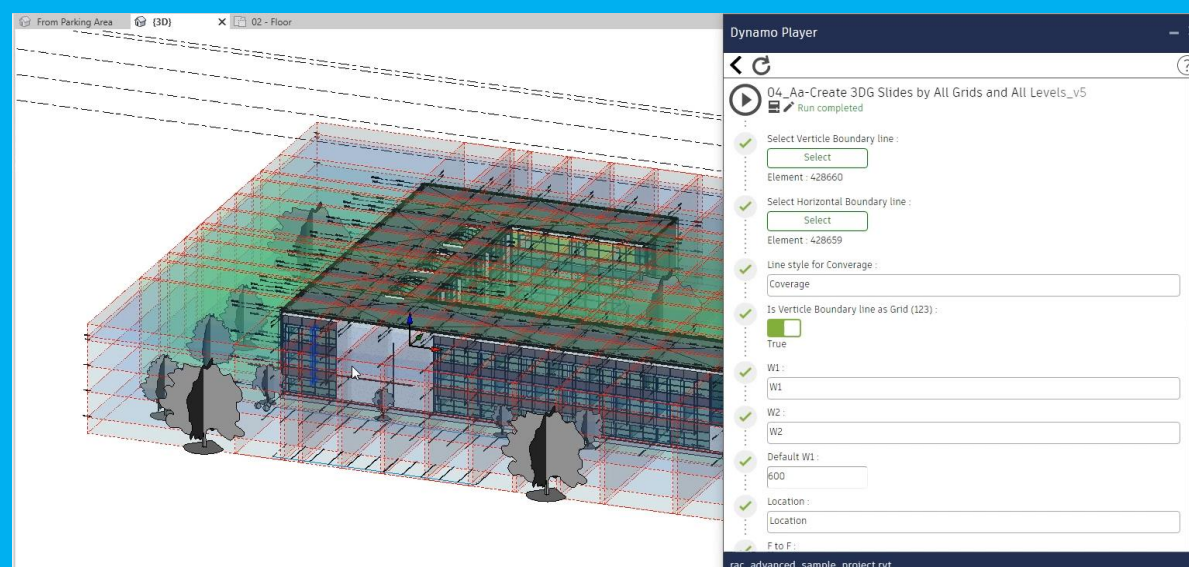


Test	Clash Count	
STR vs MEP	Total Critical Clash	494
Clash Score Analysis	01_High	82
	02_Mid	412



### Detailed Clash Report for High Clash Score

Test Name	Clash Sco	Clash Score	Item 1 Source	Item 1 Categories	Item 2 Source	Item 2 Categories	Count
01 ARC VS ARC	01_High						1073
		9000	ARC	Columns	ARC	Structural Framing	76
				Structural Framing	ARC	Columns	16
			ARC-Vertical Green	Structural Columns	ARC	Structural Framing	1
		8100	ARC	Structural Framing	ARC	Structural Framing	14
			ARC-External Façade	Structural Framing	ARC-External Façade	Structural Framing	3
		8000	ARC	Columns	ARC	Walls	13
				Structural Columns	ARC	Walls	3
				Walls	ARC	Columns	4
		7200	ARC	Structural Framing	ARC	Walls	298
					ARC-External Façade	Walls	1
					ARC-Ceiling	Walls	2
					ARC-Vertical Green	Walls	2
				Walls	ARC	Structural Framing	477
					ARC-Ceiling	Structural Framing	19
			ARC-Ceiling	Structural Framing	ARC	Walls	24
		7000	ARC	Columns	ARC	Stairs	16
				Stairs	ARC	Columns	5
		6500	ARC	Columns	ARC-Ceiling	Ceilings	4
		6400	ARC	Walls	ARC	Walls	55
					ARC-Ceiling	Walls	4
			ARC-Ceiling	Walls	ARC	Walls	3
		6300	ARC	Structural Framing	ARC	Stairs	7
				Stairs	ARC	Structural Framing	13
		6000	ARC	Columns	ARC	Floors	11
				Structural Columns	ARC	Floors	1
				Floors	ARC	Columns	1

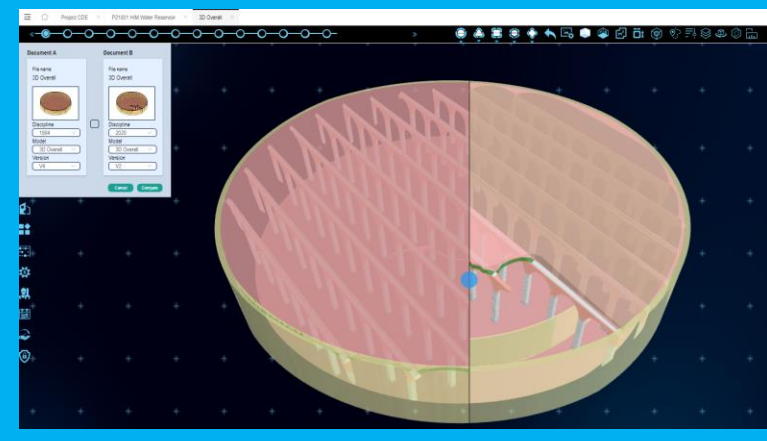






We never stop at model itself, but further **connect** all information in IM-CDE via **Information Connector (IC)**.

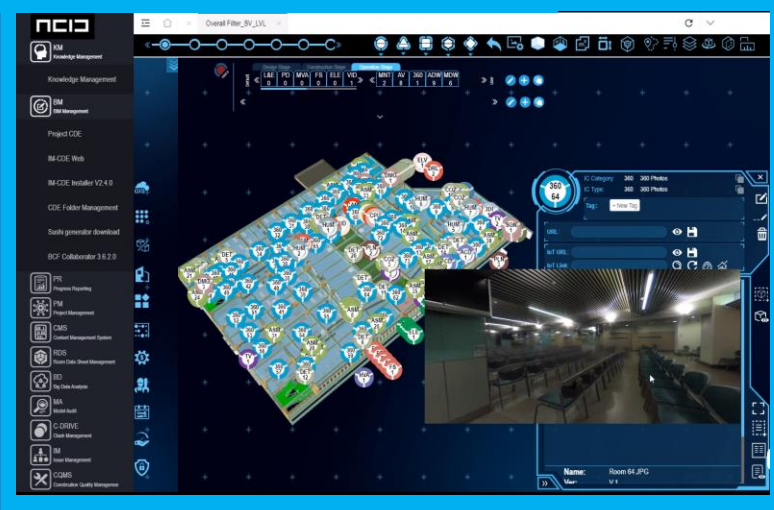
## Model Comparison



## Asset Management - AM



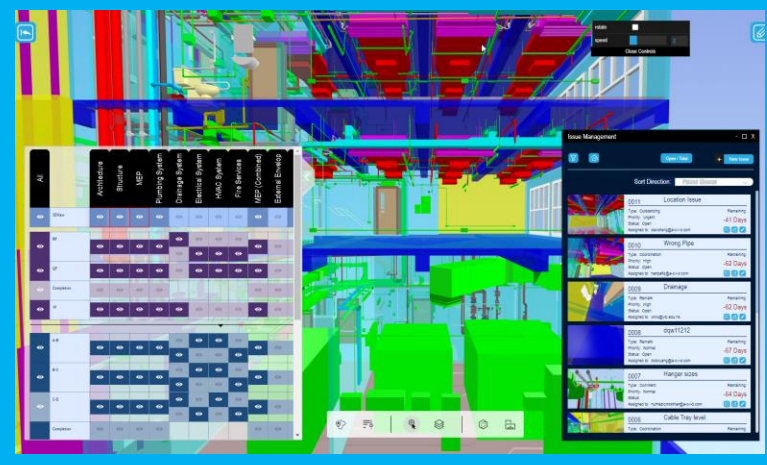
## Information Connector - IC



## Facility Management – FM, BMS, IoT

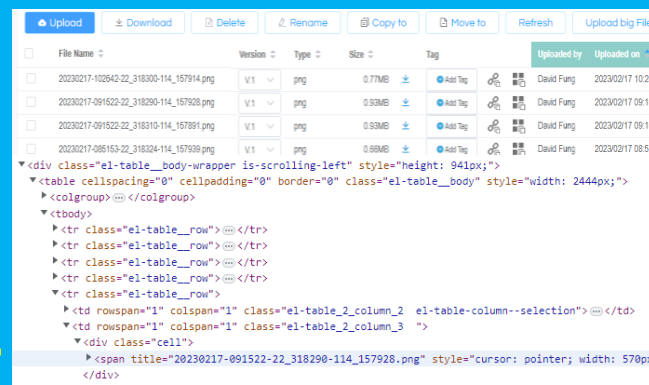


## Issue Management – IM

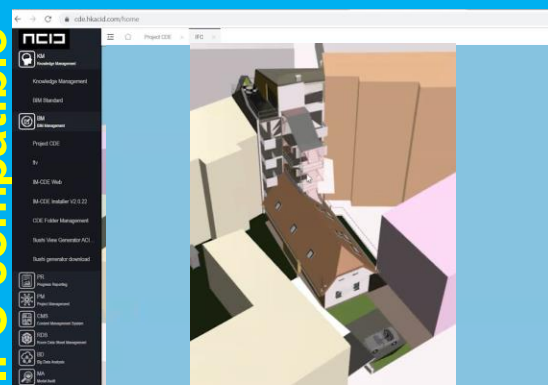


We are **openBIM** friendly

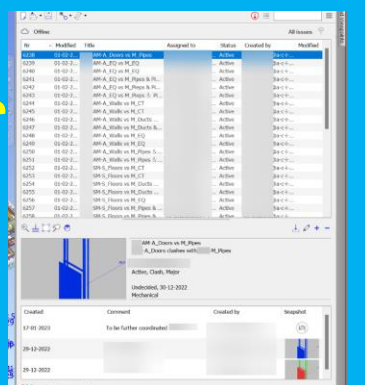
openCDE



IFC compatible



BCF friendly





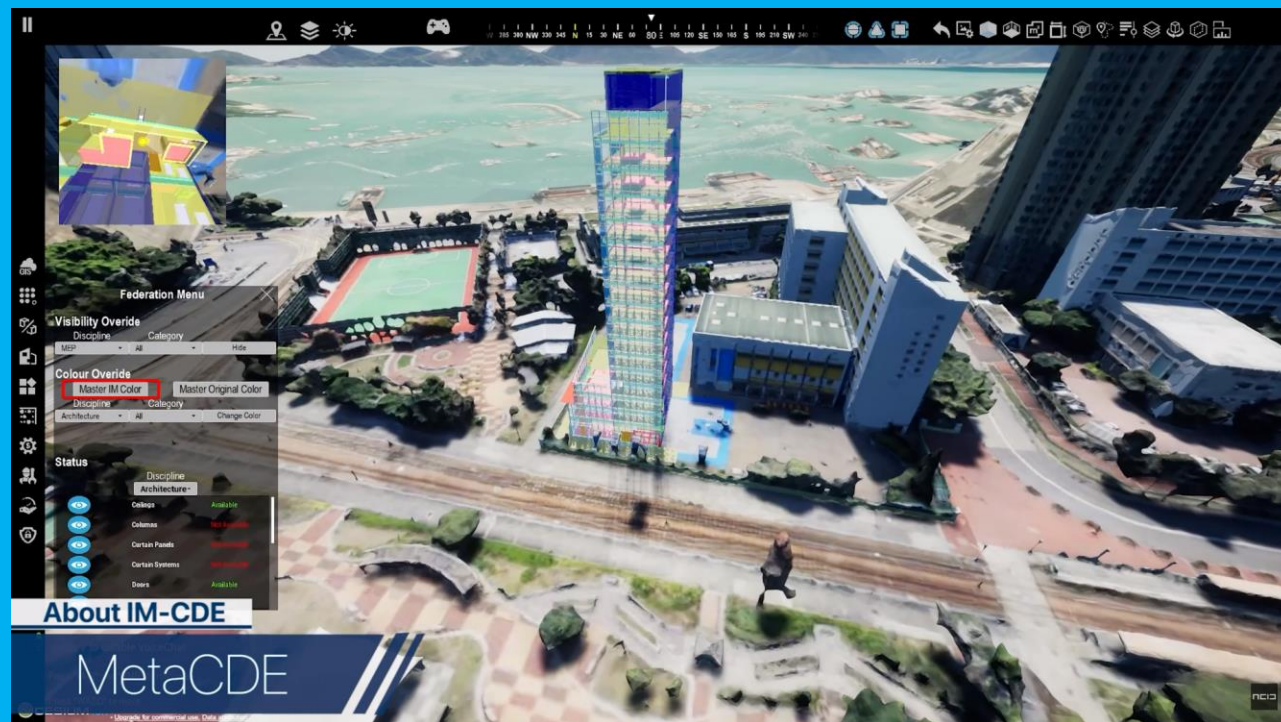




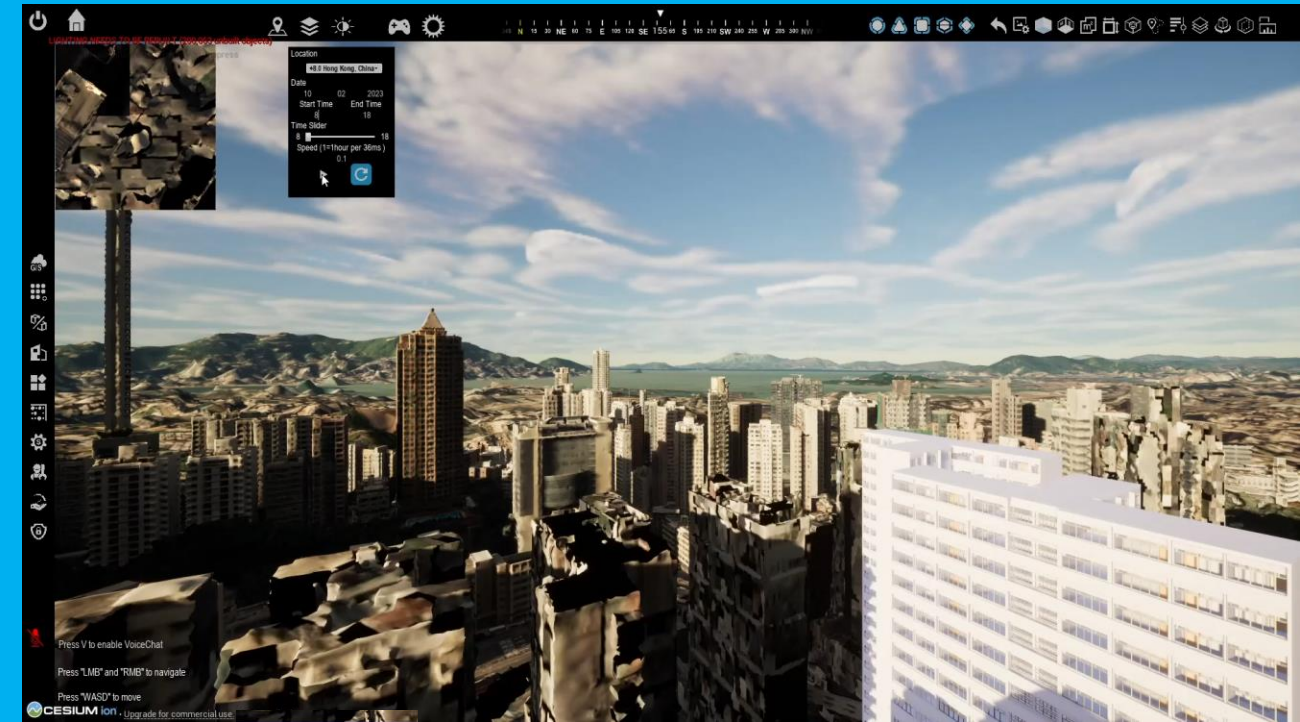


## Experiencing BIM in Metaverse

### GIS & BIM Integration



### Sunlight Analysis



### Synchronization with IM-CDE Database and IC



### Meta Collaboration

