

ArchiCafé KUBUS

De kracht van de MEP Modeler

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KUBUS

De MEP Modeler

Inleiding

Archicad 23 en eerder : MEP Modeler een aparte add-on

Archicad 24 : MEP modeler geïntegreerd

GRAPHISOFT®
ARCHICAD



GRAPHISOFT
Archicad®

Inhoud Archicafé

1. De inhoud van de MEP Modeler

- MEP Library
- MEP Work environment
 - Gereedschappen
 - Knoppenbalken
 - Pallet: Routing pallet
- MEP systemen
- MEP Preferences

2. Werkwijze in Archicad

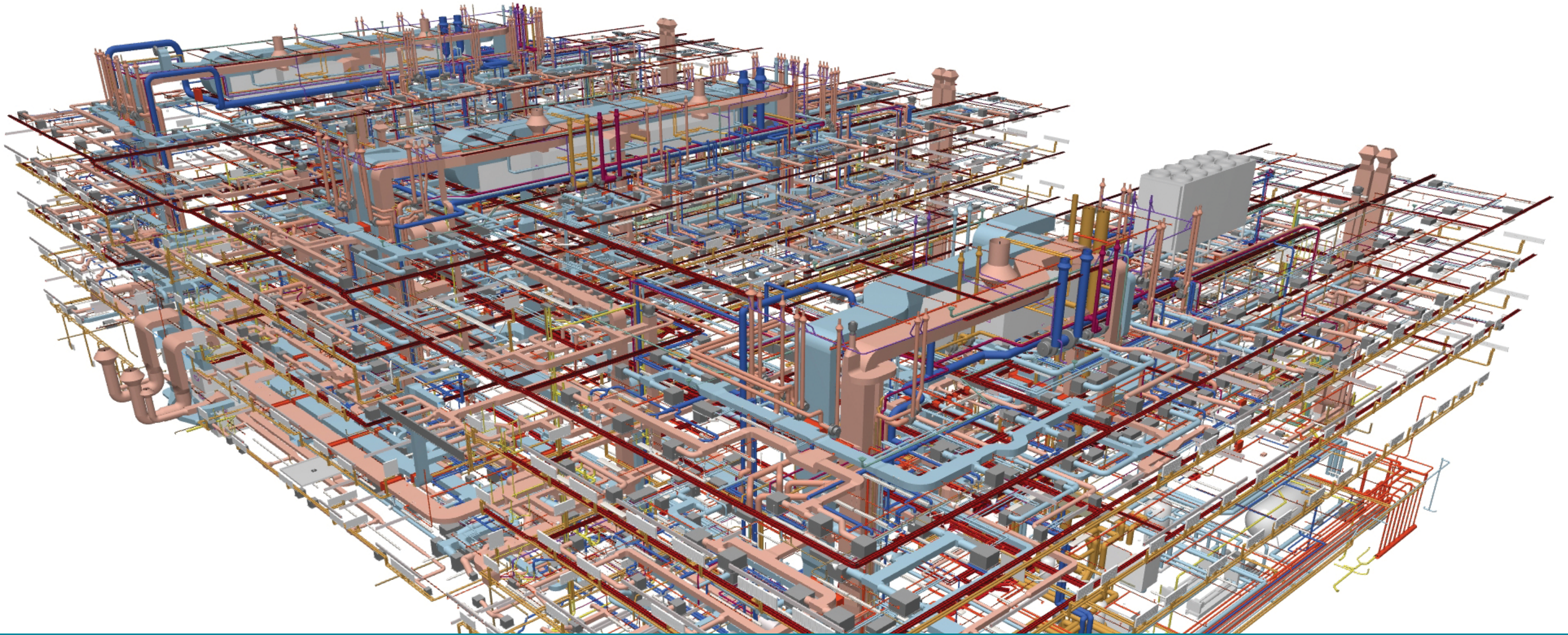
- Live demo

3. Toepassingen van de MEP Modeler

- Praktijkvoorbeelden

4. Samenwerken

- Collision detection
- Import
- BCF manager BIMcollab

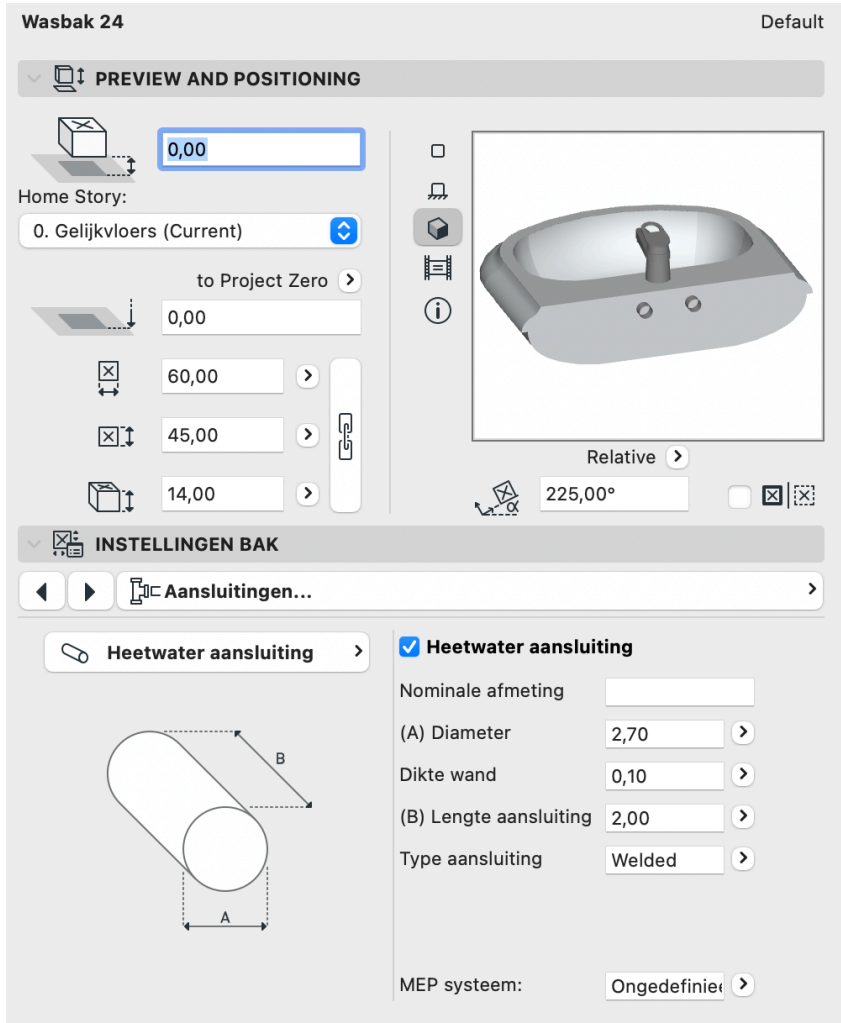


De inhoud van de MEP Modeler

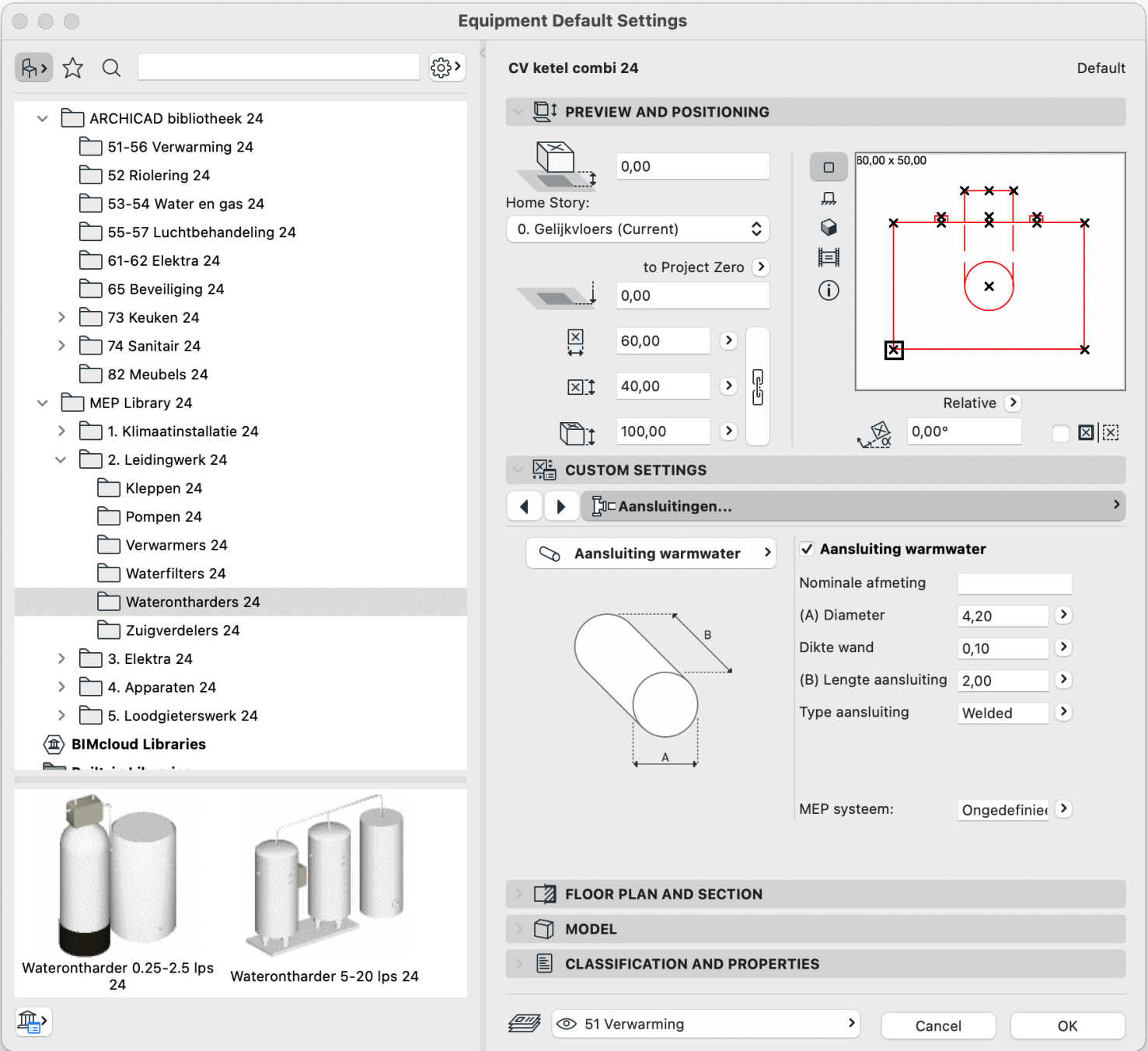
De bibliotheek

MEP Library

Standaard + KME bibliotheek uitbereidingen
Bestaande objecten krijgen extra aansluitingen



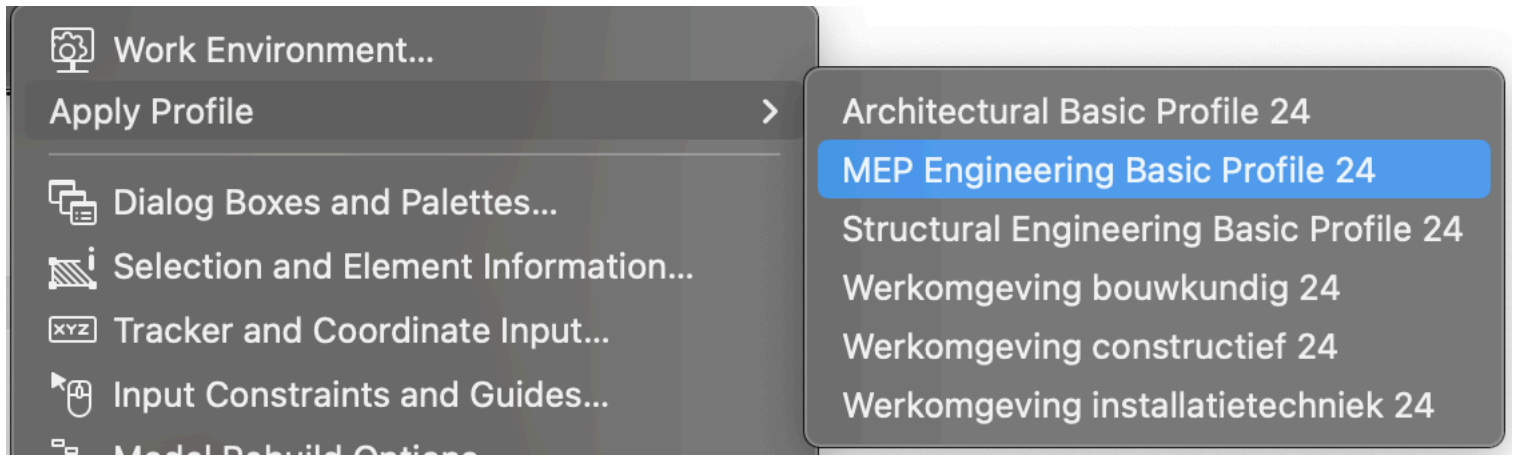
+ MEP bibliotheek met specifieke objecten



Werkomgeving

Work environment

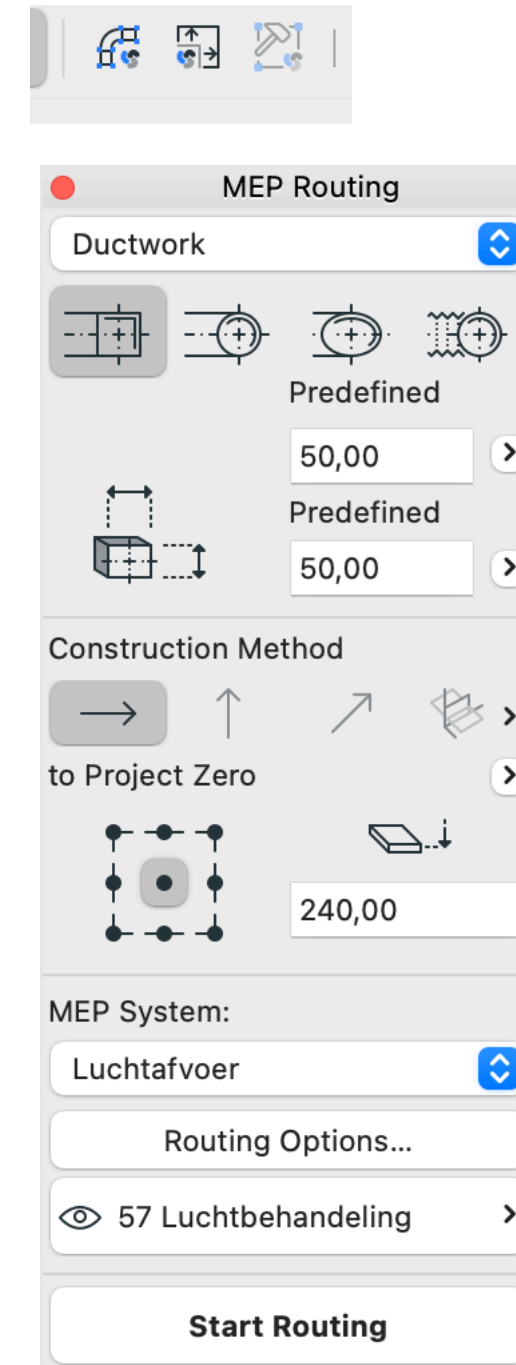
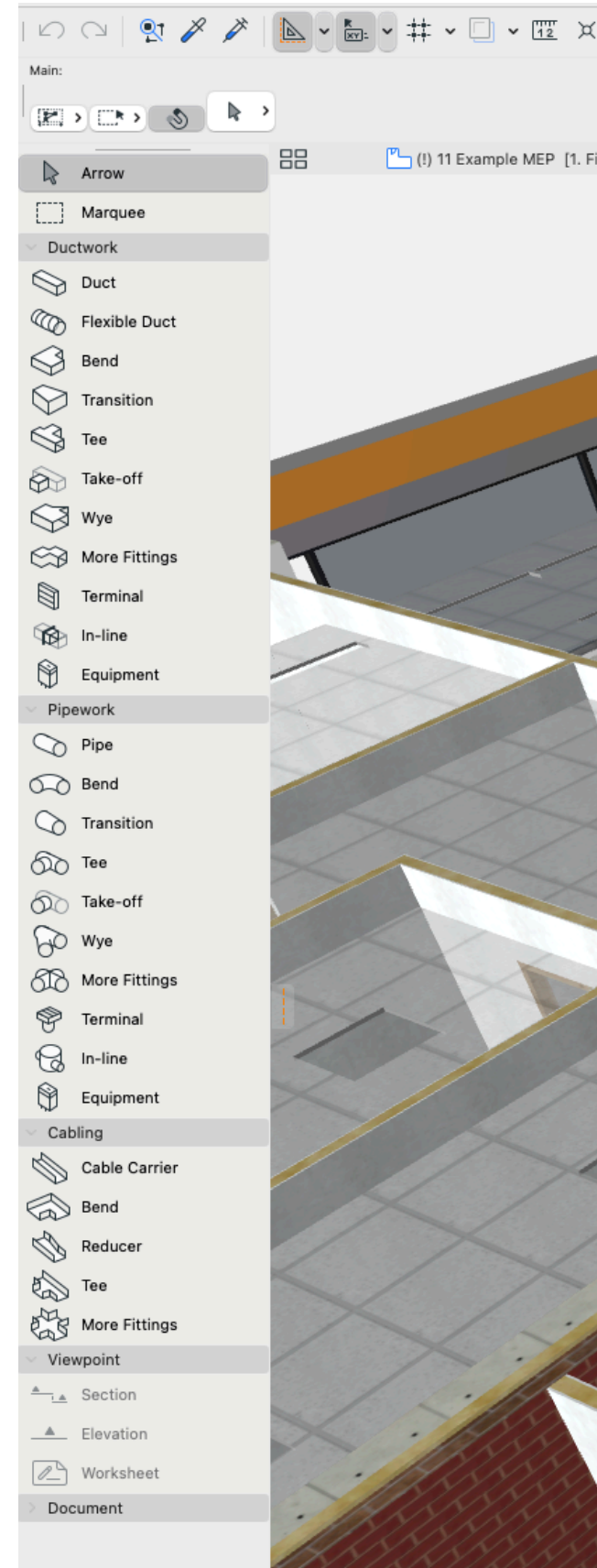
Activeer de MEP Engineering Basic Profile werkomgeving om alles klaar te zetten



Werkomgeving

Work environment

- **Gereedschappen**
 - Ductwork
 - Pipework
 - Cabling
- **Knoppenbalk**
 - Select connected MEP elements
 - Resize MEP elements
 - Edit MEP selection set ...
- **Palet MEP Routing**
 - Om een volledig systeem te tekenen



Verschillende MEP Systemen

MEP Systems

De weergave van de verschillende systemen kan worden ingesteld.

Door hier meerdere systemen toe te voegen kan er ook makkelijker onderscheid gemaakt worden.

Deze systemen kunnen gebruikt worden bij het aangegeven gereedschap ‘Ductwork, Pipework, Cable Tray’

MEP Systems

MEP SYSTEMS

Kabelgoten

Koeling

Luchtafvoer

Luchttoevoer

Riolering afvalwater

Riolering fecaliën

Riolering regenwater

Sprinkler

Verwarming

ZZ EIGEN SYSTEMEN

New...

Rename...

Delete

Use with:

☐ Ductwork

☐ Pipework

☒ Cable Tray

EDIT SELECTED SYSTEM

Contour Pen

1

Fill Type

25 %

17

-1

Center Line Type

B0202

Center Line Pen

1

System Surface

Verf - geel loodoxide

Insulation Surface

Metaal - Aluminium

Cancel

OK

Eigenschappen

MEP preferences

Stel de standaarden van het systeem hier in.

MEP Preferences

Routing Options

Rise/drop unit:

mm/m

Duct segment length limit:

150,00

Pipe segment length limit:

500,00

Cable Carrier segment length limit:

200,00

Standard Bend Angles

90,00°

60,00°

45,00°

30,00°

15,00°

Add...

Remove

Predefined Sizes

Ducts...

Pipes...

Cable Carriers...

Convert MEP Objects to Equipment:

Convert to Equipment

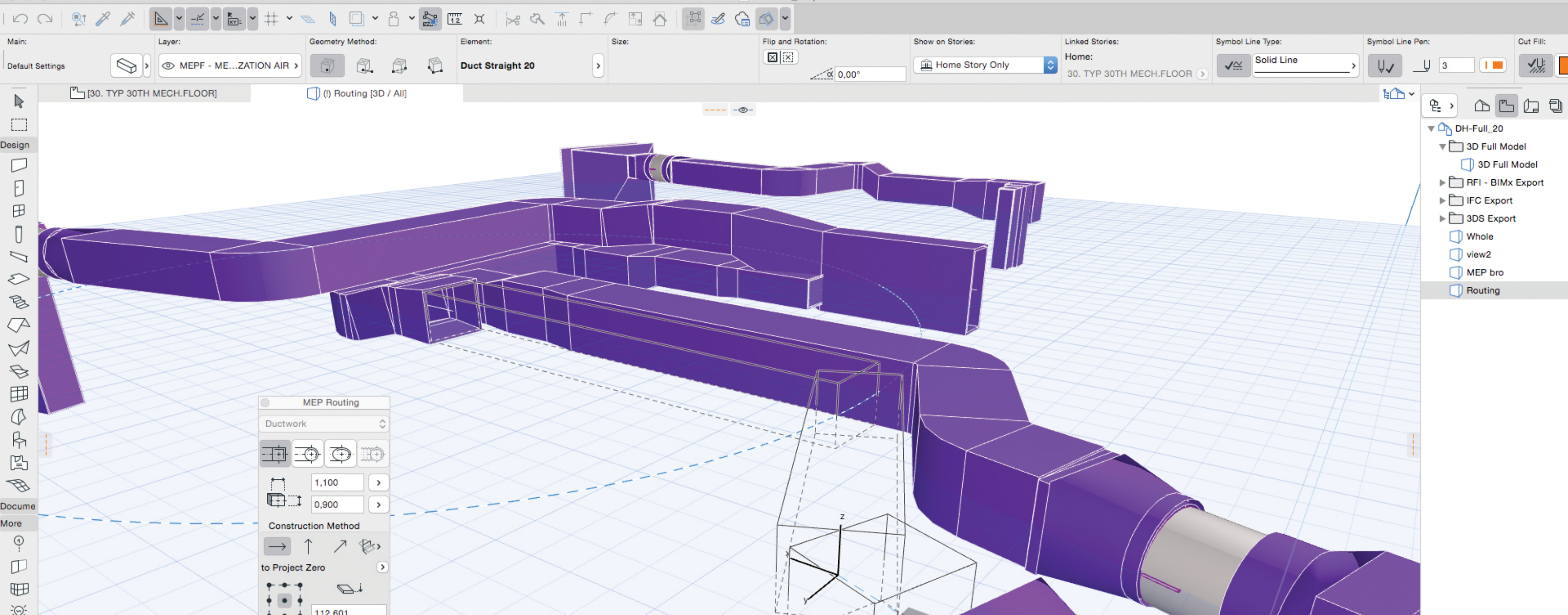
Convert All Equipment to Objects:

Convert to Objects

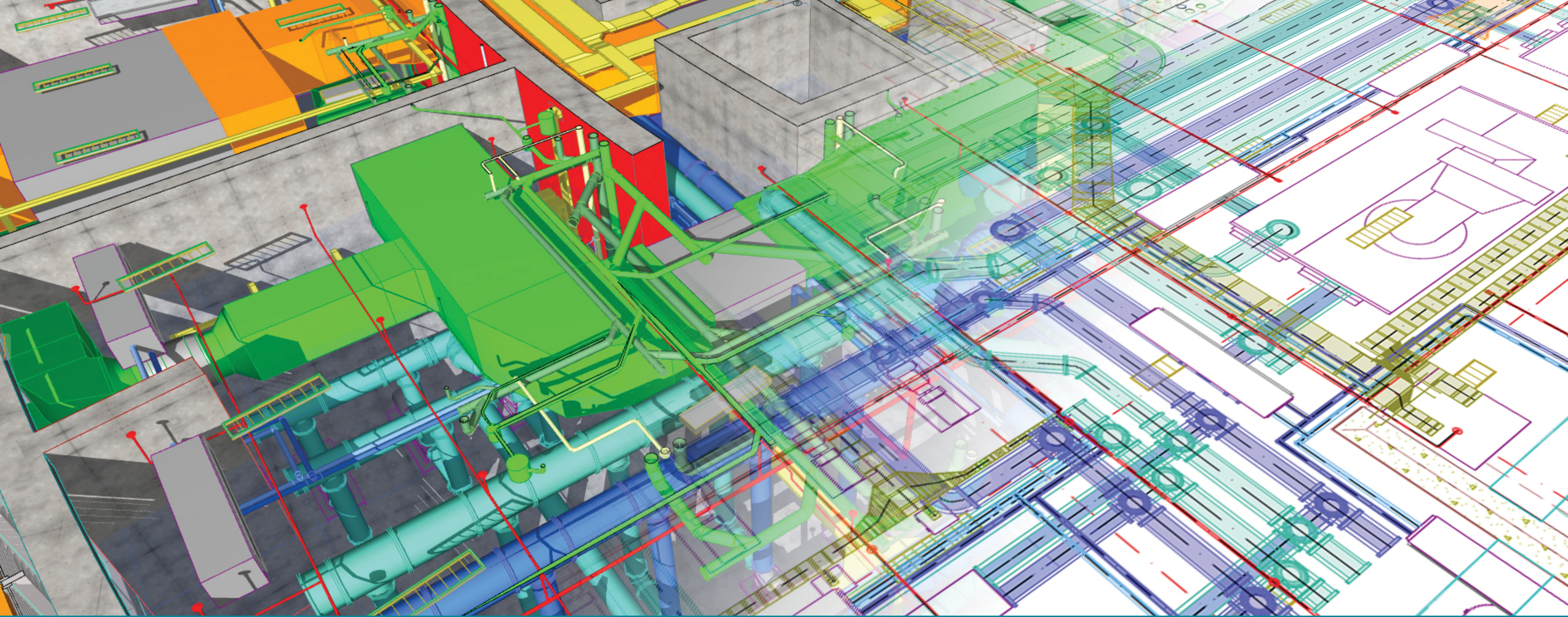
☐ Convert Newly Placed Objects to Equipment

Cancel

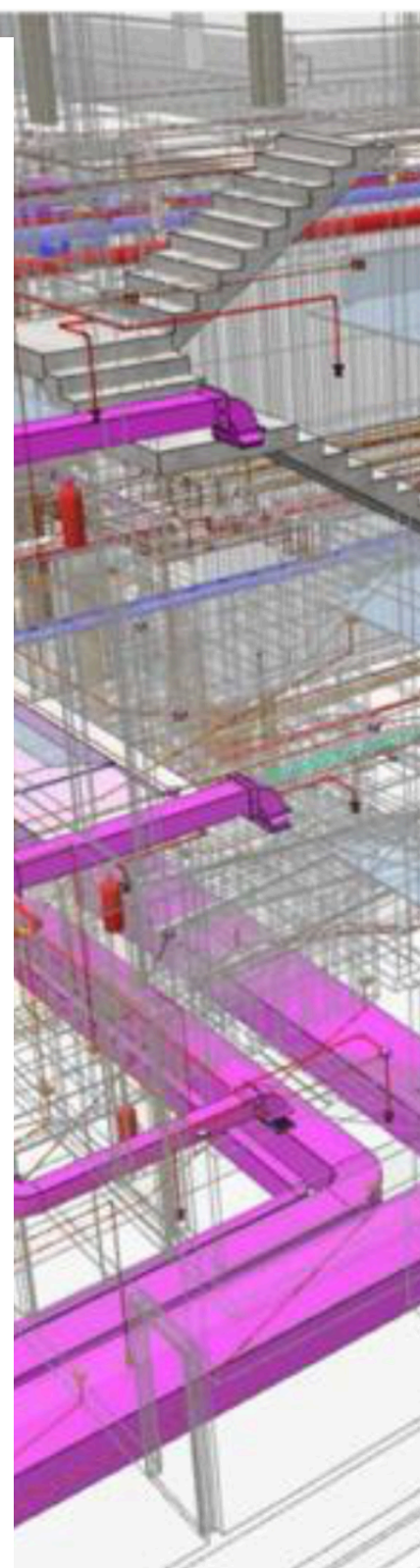
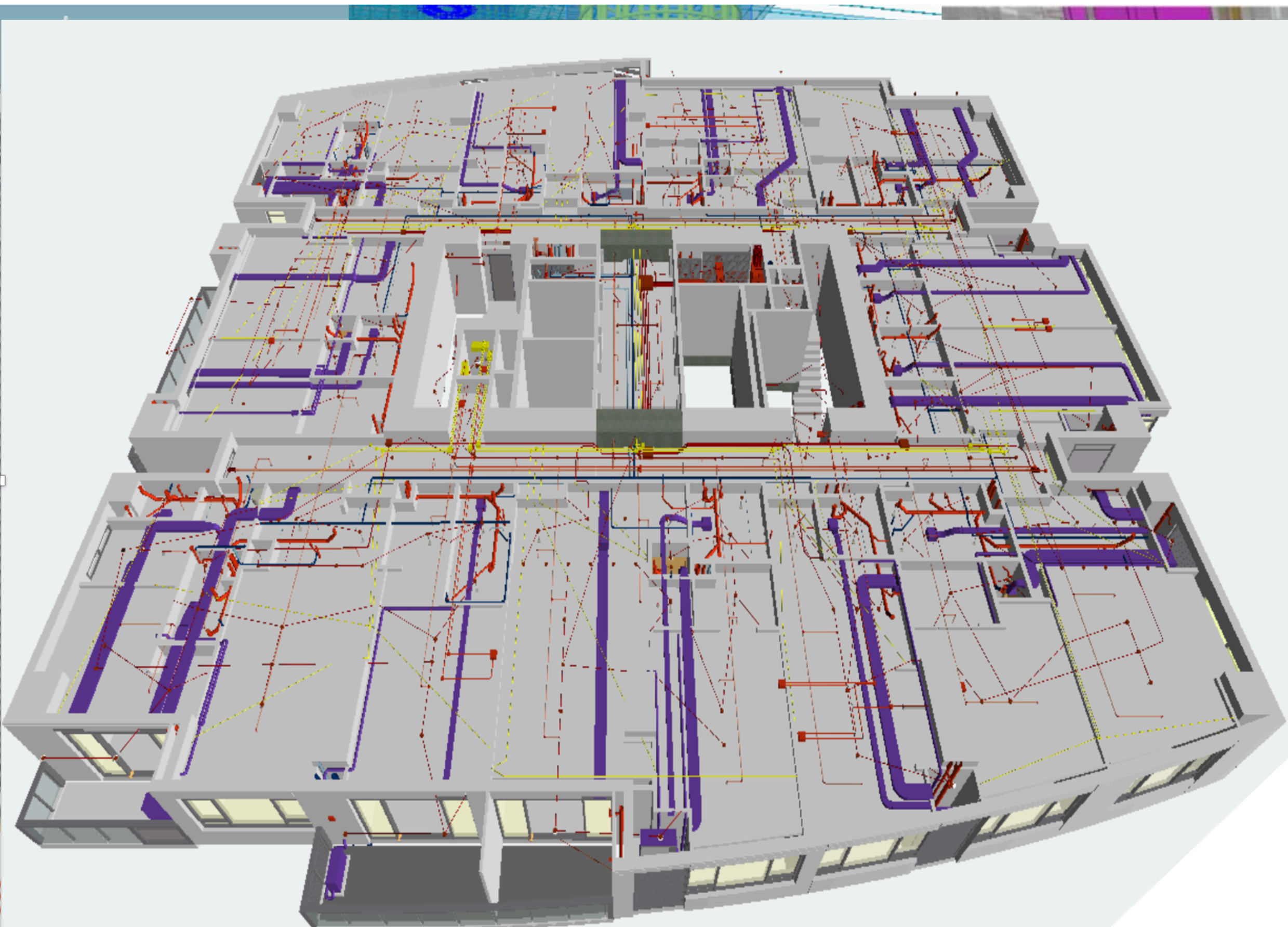
OK



Werkwijze in Archicad



Toepassingen in de praktijk





New project



Residential Building JD



Project owner: Laura Vanderhoven
Duration: 31-03-2021 - ...
Team members: 5
Open issues: 0
My open issues: 0
For me to approve: 0

Project leader

Residential Building JT



Project owner: Laura Vanderhoven
Duration: 31-03-2021 - ...
Team members: 5
Open issues: 0
My open issues: 0
For me to approve: 0

Project leader

Residential Building LM



Project owner: Laura Vanderhoven
Duration: 31-03-2021 - ...
Team members: 5
Open issues: 27
My open issues: 17
For me to approve: 0

Project leader

West Plaza Redesign



Project owner: Dennis Bekker
Duration: 15-02-2021 - 28-02-2021
Team members: 11
Open issues: 29
My open issues: 0
For me to approve: 0

Project leader

Shoreline Residences Re-start



Project owner: Betty Gizzy
Duration: 15-02-2021 - 16-05-2021
Team members: 12
Open issues: 41
My open issues: 0
For me to approve: 0

Project leader

Pontsteiger Amsterdam



Project owner: Laura Vanderhoven
Duration: 30-03-2021 - ...
Team members: 11
Open issues: 0
My open issues: 0
For me to approve: 0

Project leader

UGH Academic Hall



Project owner: Jane Holloway
Duration: 04-02-2021 - 21-02-2021
Team members: 5

DND Development



Project owner: Anna Farrow
Duration: 05-02-2021 - 28-02-2021
Team members: 6

46 East Residences



Project owner: Fred Leopard
Duration: 18-02-2021 - 28-02-2021
Team members: 11

Samenwerken

Afstemmen - samenwerken

Collision detection in Archicad

Maak gebruik van Collision Detection om het architecturaal model af te stemmen op de MEP elementen

Groep 1 vs Groep 2

Collision Detection

Check for Collisions between the following two Groups.

Based on elements from the 3D window.

GROUP 1

Criteria Set Name: All MEP Elements

Criteria	Value
Element Type	is 3D Types
ARCHICAD Classification...	is in br... Cable Carrier Fitting or
	is in br... Cable Carrier Segment or
	is in br... Distribution Chamber Element or
	is in br... Distribution Control Element or
	is in br... Distribution Element or

Add... Remove

GROUP 2

Criteria Set Name: Custom

Criteria	Value
Element Type	is Wall

Add... Remove

TOLERANCES

Volume Tolerance: 0,01 m³

☐ Check for Surface Collision

Surface Tolerance: 0,01 m²

Cancel Check

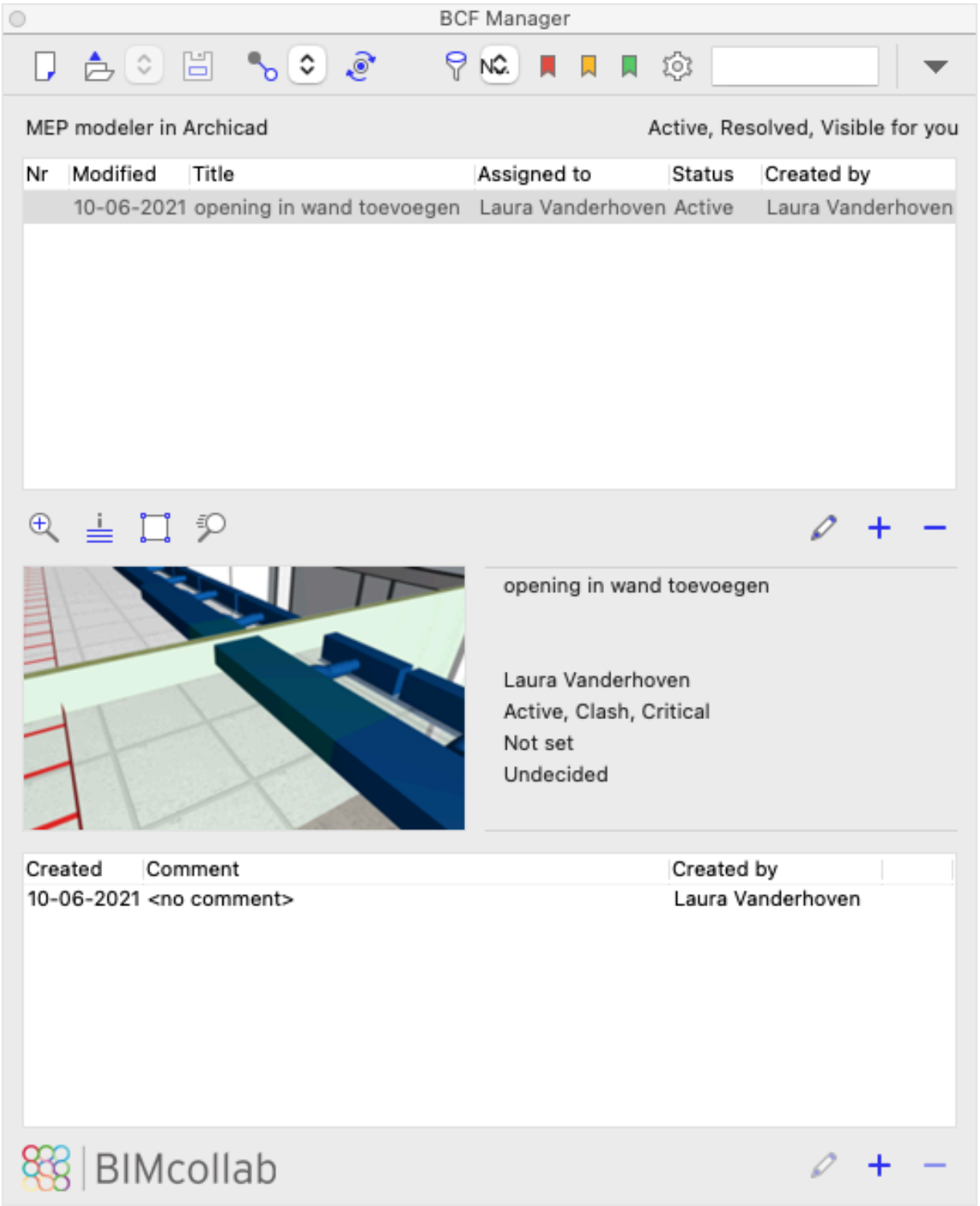
Afstemmen - samenwerken

Importeren - communiceren

Importeren van MEP modellen

- *IFC modellen*
- *Fabrikanten modellen*
- ...

Maak gebruik van de BCF manager om te communiceren met externe software/partners





Upcoming

IFC - cursus - 22 juni 2021
Speciaal voor Archicad-gebruikers

ArchiCafé - eind augustus
Je ontwerp digitaal transformeren
in Archicad

WEBINAR

