

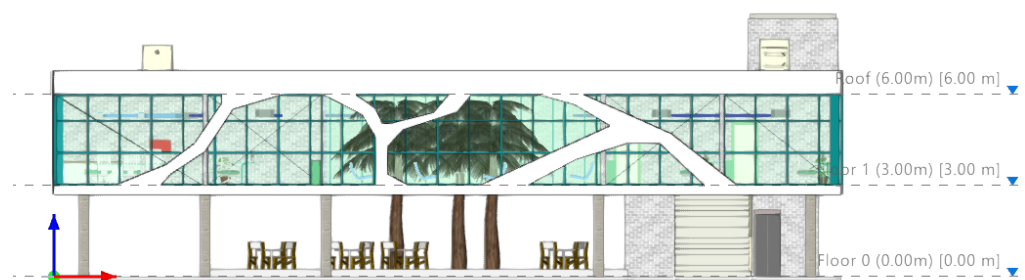
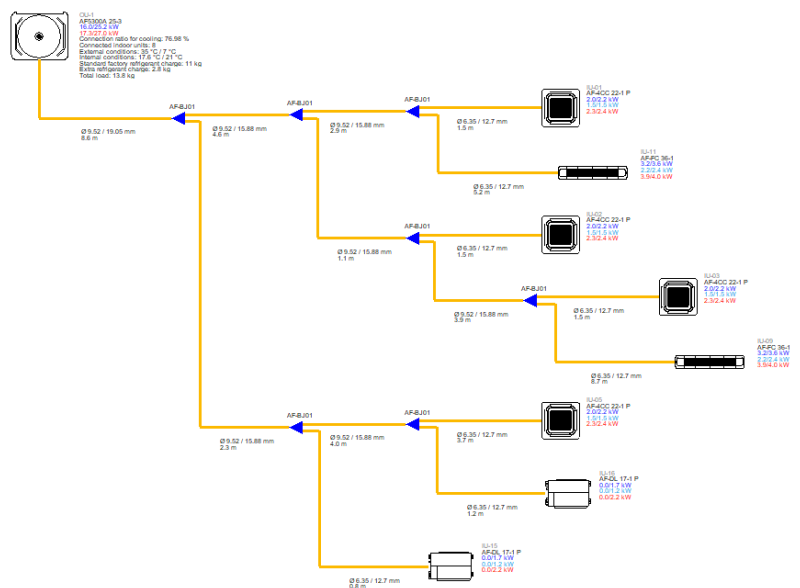


Open BIM **BOSCH**



User's Manual

Design of BOSCH Air Conditioning systems.



Contents

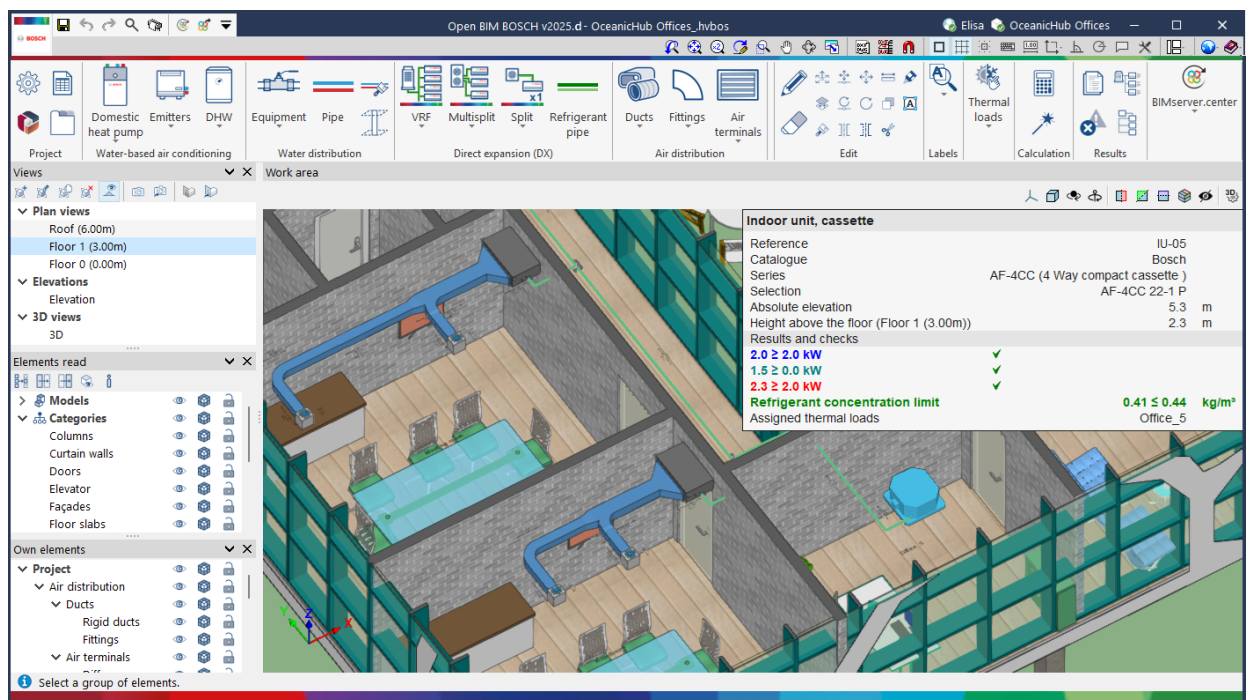
1	Introduction	3
2	Interface	4
2.1	Views	4
2.2	Moving workspace	6
2.3	Elements read	7
2.4	Project	8
2.5	Devices	14
2.6	Elevation of elements	15
2.7	Editing	15
2.8	Calculation	18
2.9	Results	20
2.10	Drawings	21
2.11	CAD Templates	23
2.12	Configuration	28
2.13	BIM export/Import	31
3	How to create a project	32
3.1	A) With CAD templates (no BIM)	32
3.2	B) With BIM project	33
3.2.1	Achieve the Building Geometry and Create the BIM Project	33
3.2.2	Connect Open BIM BOSCH to the BIM Project	35
4	Contact	37



1 Introduction

Open BIM BOSCH is a selection tool which designs air conditioning systems such VRF, Multisplit, split 1×1 and Aerothermal.

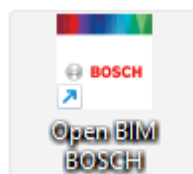
The programme is integrated into the Open BIM workflow, which allows users to import models from projects stored on the BIMserver.center platform and to form part of the collaborative, multidisciplinary and multi-user workflow provided by Open BIM technology.



To use the software a computer and an internet connection is needed, and a mouse with wheel is strongly recommended.



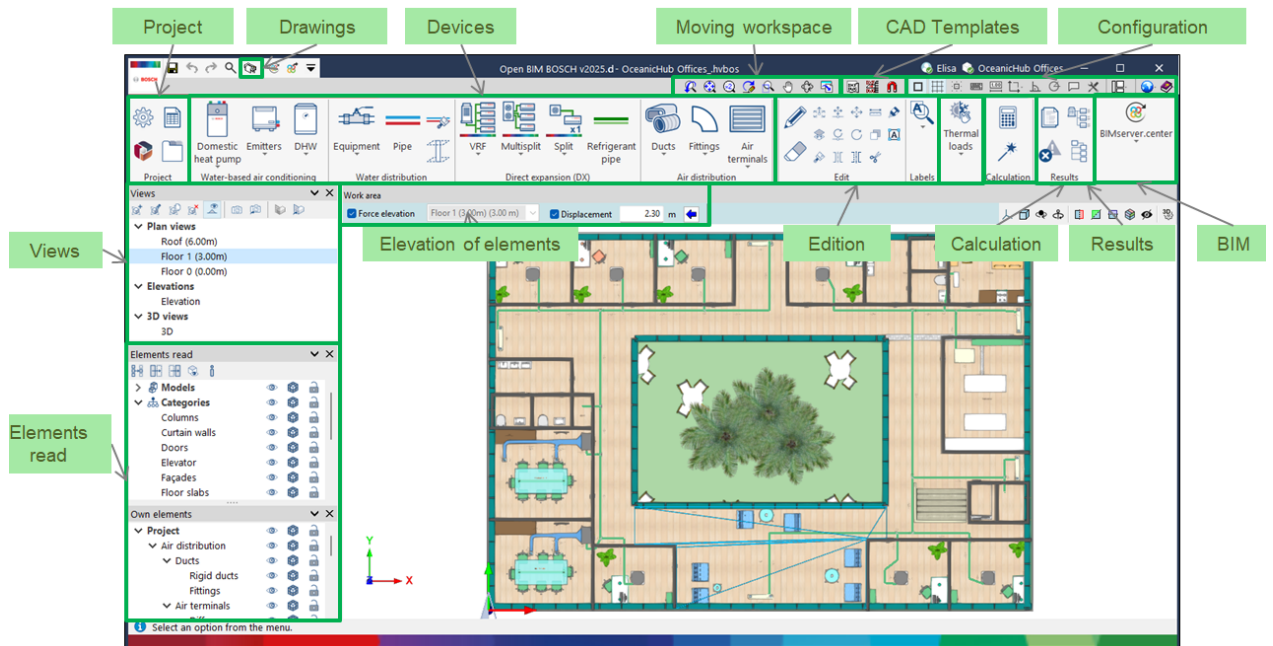
Download the file and click on it. Once the software has been installed, one icon will appear on the desktop.



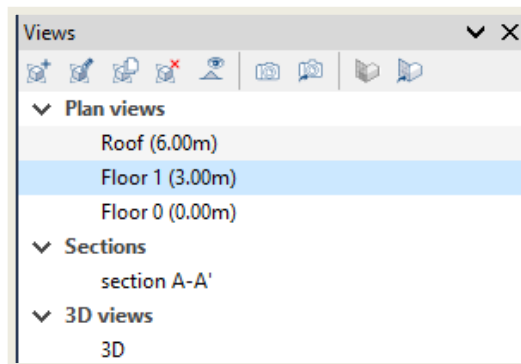
Click **Examples** and open the example called “*OceanicHub Offices*”.

2 Interface

In this section, **Interface**, each part of the interface is explained. It is recommended to open the “Offices” example to visualise each part of the programme.



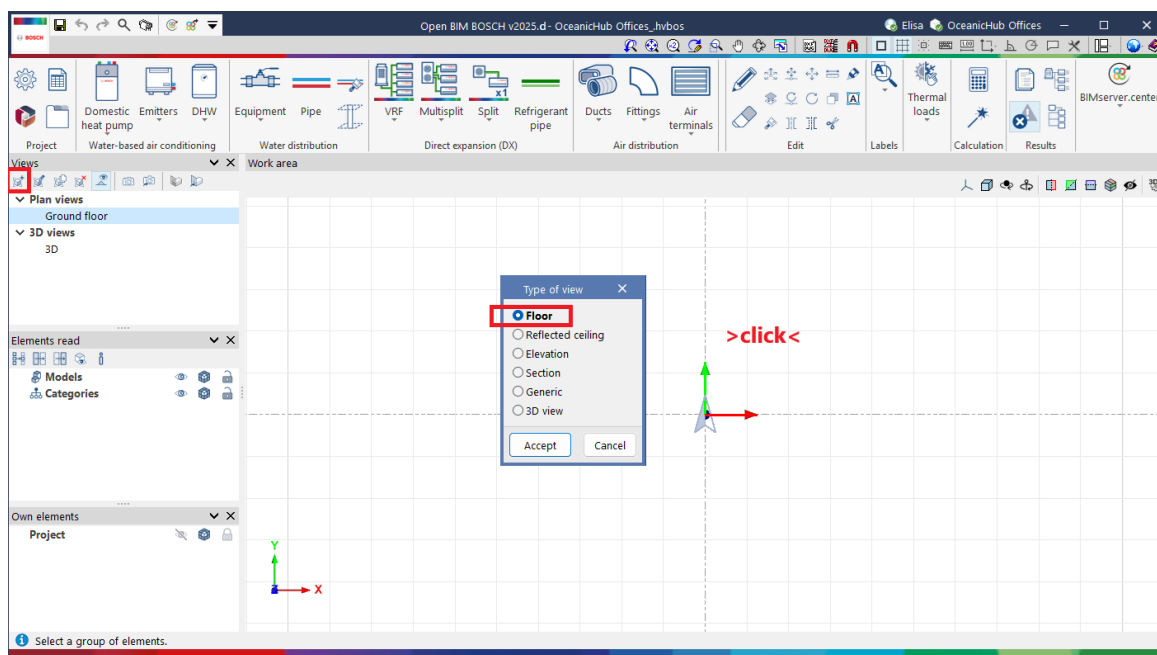
2.1 Views




Views are representations of the calculation model application. It is important to note that the components of the model are not linked to the views. Therefore, they can be created, modified, or deleted without affecting the underlying data structure.

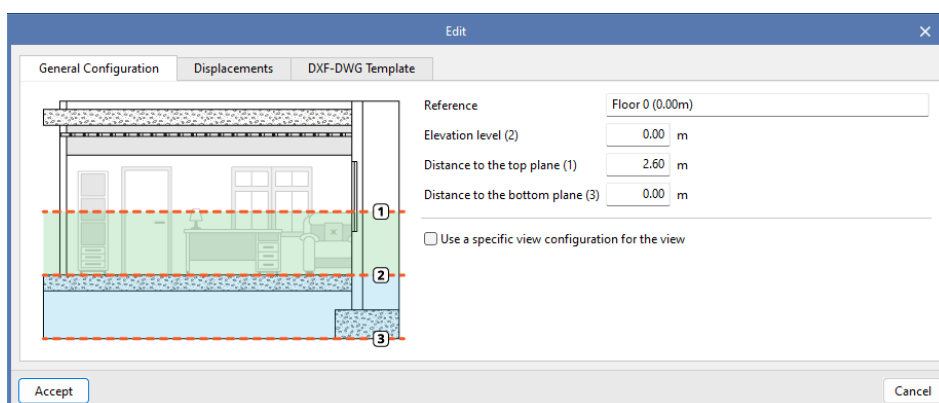


Create. Creates a new view.





 **Edit.** Modifies the view range. All types of views, except the 3D view, are associated with an area delimited by two planes, a top and a bottom plane, which determines the elements that will be represented in the view. In elevation, section, and generic plane views, the top plane is the one that is perpendicular to the direction of vision in a positive direction. The bottom plane is the same, but in a negative direction.

Also works by double clicking on the view name.



 **Duplicate.** Copies the current view.

 **Delete.** Deletes the current view.

 **Save the start scene.** Sets the current position of the view as the start scene. This scene will be used in the generation of the graphic documentation of the project.



Go to start scene. Directs the current view to the position of the start scene.



Show references. References to other views will be shown in the active view.



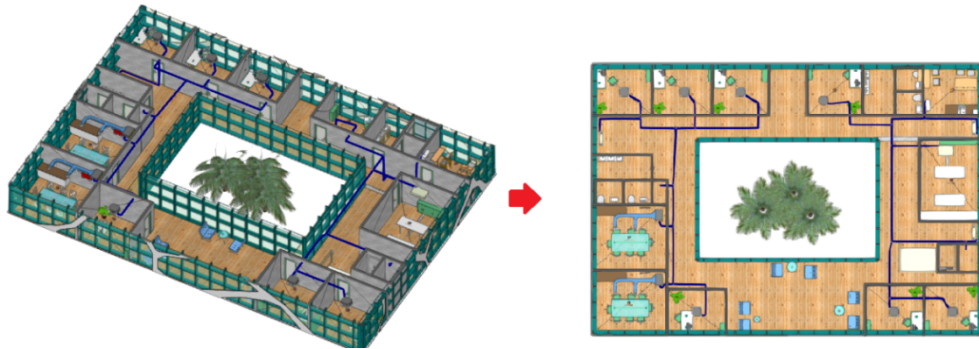
Define. Specifies the work plane associated in a 3D view.



Go to the work plane. (Alt+4). Used to restore the view to its original position.

*This also works by clicking on the white screen and pressing **Alt+4** (the number above the letters, not F4).*

This button allows users to restore the view very easily.



2.2 Moving workspace



Full window. Places the design in the centre.

*You can also press the **mouse wheel twice**.*



Zoom. Zooms in by clicking on the drawing.

*You can also use the **mouse wheel**; in which case you can zoom both in and out.*



Move image. Changes the position of the drawing. To do this, click on the screen and, while holding down the mouse button, move the hand cursor. After the displacement, press this option again to deactivate it and continue with the previous option.

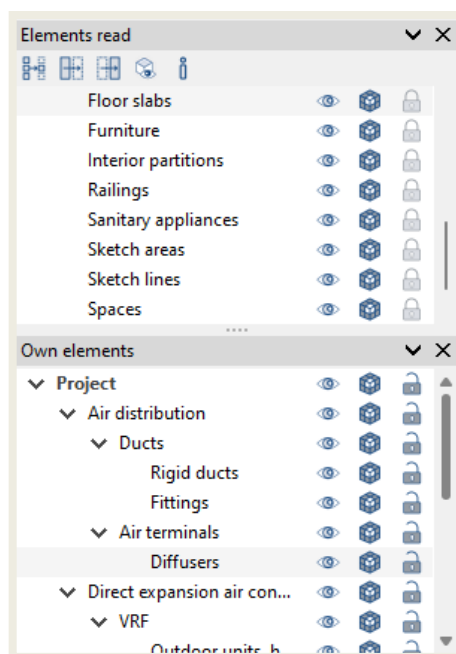
*You can also press the **mouse wheel** and, while holding down, **drag** the wheel of the mouse and the cursor becomes a hand. Move it to the right to see how the user's point of view has changed.*




3D orbit. Rotates the scene around the rotation pivot. To do this, click on the screen and hold down the cursor. If the option **Rotation around a point** is checked, the point below the cursor will be used as a rotation pivot. Otherwise, the pivot will be calculated considering the visible elements of the scene. Once the turn has been made, press this option again to deactivate it and continue with the previous option.


*You can also hold down the **mouse wheel** and the **"Shift"** key to rotate the scene.*

2.3 Elements read



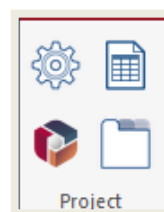
In the lower left area, the architectural elements that the programme has read and recognised can be found. The boxes can be used to enable or disable their display. Leave it as below to easily start working with the programme.


 **Visible.** Show and hide by type of element.


 **Snap.** If it is unlocked, the unit will try to be placed on its surface when 3D mode is being used.

 **Visualization mode.** Can be changed between solid or transparent.

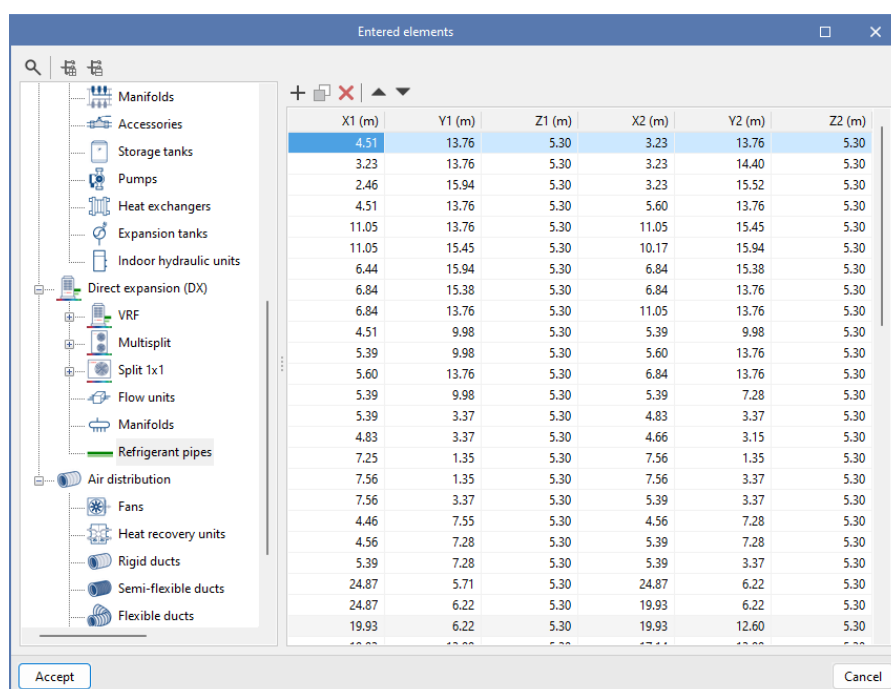
2.4 Project



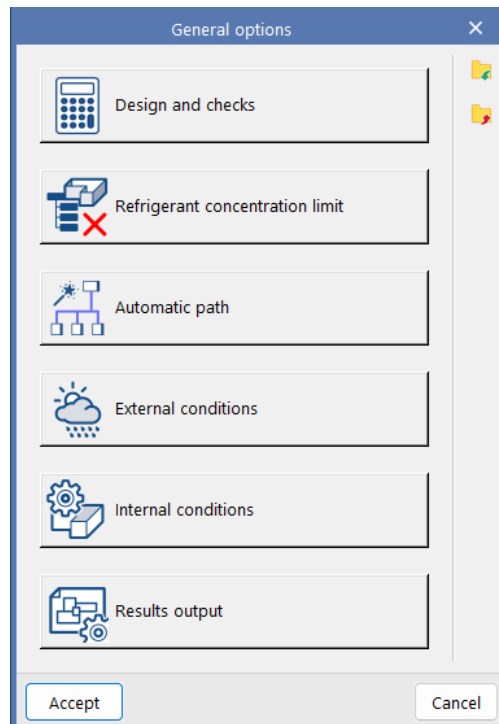
 **OBDatabase.** If you register as an Open BIM Systems user, you will be able to download and use the information of the manufacturer products that are available free of charge on the programs connected to the Open BIM Systems Database.


 **BIM model.** Found in the BIM model are all the elements placed in the project.

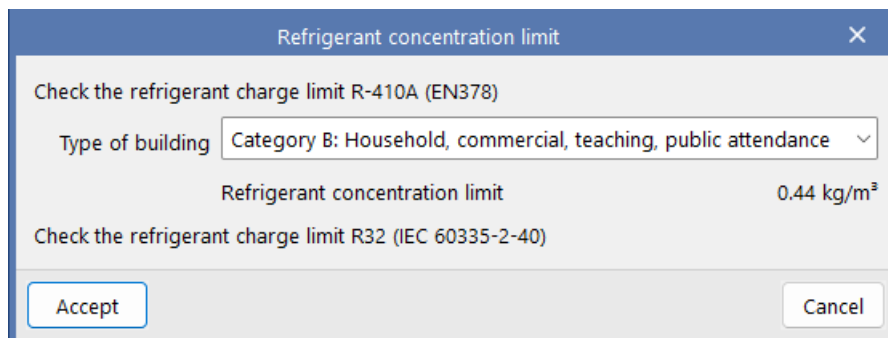
*For example, this can be useful for selecting all pipes (**Ctrl+A**) and easily deleting them.*



General options



 **Refrigerant concentration limit.** The programme calculates the total concentration of refrigerant R-410A or R32 charge.



This feature must be activated in each indoor unit panel.

For projects without a BIM model: The user must manually input the area and height of the room.

For projects with a BIM model: The program automatically reads the rooms and detects the indoor units located within them.



Reference IU-01

Series AF-4CC (4 Way compact cassette)

Selection AF-4CC 22-1 P

3D Model

Design condition

Cooling Heating

Required capacity 2.0 kW 2.0 kW

Required sensible capacity 0.0 kW

Indoor dry bulb temperature 27.0 °C 20.0 °C

Indoor wet bulb temperature 19.4 °C

Check the refrigerant charge limit

Space

Area 0.0 m²

Height 0.00 m

Volume 0 m³

Basement

Assigned thermal loads

Office_1

Check the refrigerant charge limit

Space Office_1

Area 12.5 m²

Height 3 m

Volume 37.42 m³

Basement

Nominal cooling capacity 2.2 kW

Nominal heating capacity 2.4 kW

Indoor unit, cassette

Reference IU-01

Catalogue Bosch

Series AF-4CC (4 Way compact cassette)

Selection AF-4CC 22-1 P

Absolute elevation 5.3 m

Height above the floor (Floor 1 (3.00m)) 2.3 m

Results and checks

2.0 ≥ 2.0 kW ✓

1.5 ≥ 0.0 kW ✓

2.3 ≥ 2.0 kW ✓

Refrigerant concentration limit 0.37 ≤ 0.44 kg/m³

Assigned thermal loads Office_1

Documents

Water distribution VRF Split 1x1 Multisplit Domestic heat pump Air distribution Worst case spans Materials Drawings

Reports

5 of 9

Share Export

BOSCH

2.4. Refrigerant charge

Standard factory refrigerant charge: 11 kg

Extra refrigerant charge: 2.8 kg

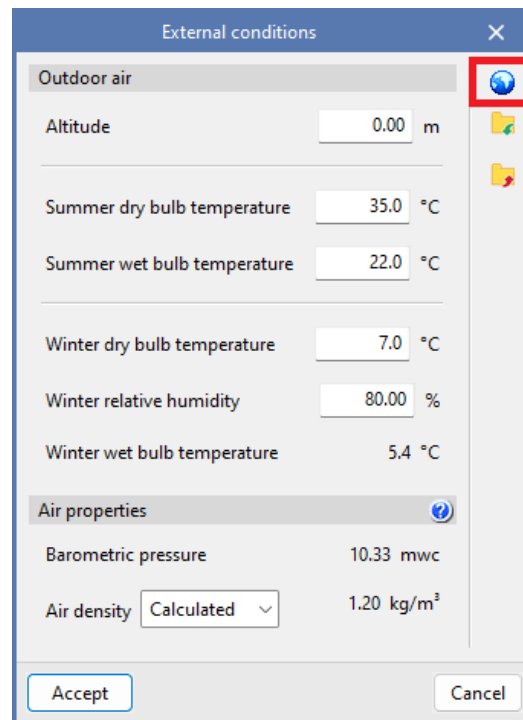
Total load: 13.8 kg

R-410A (EN378)

Space	Area	Height	Volume	Indoorunits	Type	Reference	Byducts	Total	Refrigerantconcentrationlimit	
Office_1	12.5 m²	3 m	37.42 m³	1	Indoorunit,cassette	AF-4CC22-1P	No	13.8kg	0.37 kg/m³ < 0.44 kg/m³	✓
Office_2	12.5 m²	3 m	37.55 m³	1	Indoorunit,cassette	AF-4CC22-1P	No	13.8kg	0.37 kg/m³ < 0.44 kg/m³	✓
Office_3	11.8 m²	3 m	35.34 m³	1	Indoorunit,cassette	AF-4CC22-1P	No	13.8kg	0.39 kg/m³ < 0.44 kg/m³	✓
Office_5	11.2 m²	3 m	33.44 m³	1	Indoorunit,cassette	AF-4CC22-1P	No	13.8kg	0.41 kg/m³ < 0.44 kg/m³	✓
Corridor	103.4 m²	3.1 m	321.43 m³	1	Indoorunit,floor-standing	AF-FC36-1	No	13.8kg	0.04 kg/m³ < 0.44 kg/m³	✓
Meetingroom	20.5 m²	3 m	61.47 m³	1	Indoor unit, with distribution using ducts	AF-DL 17-1 P	Yes	13.8kg	0.22 kg/m³ < 0.44 kg/m³	✓
Boardroom	20.3 m²	3 m	60.91 m³	1	Indoor unit, with distribution using ducts	AF-DL 17-1 P	Yes	13.8kg	0.23 kg/m³ < 0.44 kg/m³	✓



External conditions. Enter the outdoor design conditions of your project. Data can be typed in or, if unsure, click the blue arrow to access the ASHRAE database, select the city, and the fields will be filled in.



External conditions

Outdoor air

Altitude 0.00 m

Summer dry bulb temperature 35.0 °C

Summer wet bulb temperature 22.0 °C

Winter dry bulb temperature 7.0 °C

Winter relative humidity 80.00 %

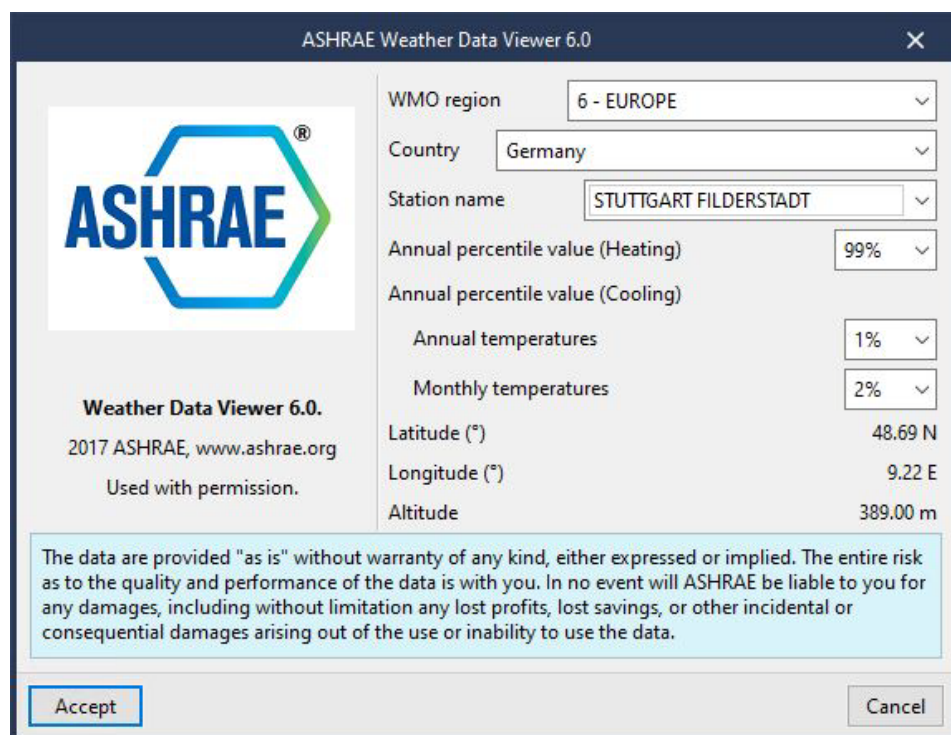
Winter wet bulb temperature 5.4 °C

Air properties

Barometric pressure 10.33 mwc

Air density Calculated 1.20 kg/m³

Accept Cancel



ASHRAE Weather Data Viewer 6.0

WMO region 6 - EUROPE

Country Germany

Station name STUTTGART FILDERSTADT

Annual percentile value (Heating) 99%

Annual percentile value (Cooling) 1%

Annual temperatures 2%

Monthly temperatures 2%

Latitude (°) 48.69 N

Longitude (°) 9.22 E

Altitude 389.00 m

The data are provided "as is" without warranty of any kind, either expressed or implied. The entire risk as to the quality and performance of the data is with you. In no event will ASHRAE be liable to you for any damages, including without limitation any lost profits, lost savings, or other incidental or consequential damages arising out of the use or inability to use the data.

Accept Cancel



Results output:

Results output

☒ Show maintenance areas

Opacity
20 %

Prescription options

Using this option you can configure the documents produced by the program (plans, reports, quantities, etc.), and establish the criteria when generating the description of equipment, materials or services selected from catalogues that have been downloaded from the Open BIM Database and included in your project.

☒ **Commercial prescription of the selected product**

☐ Prescription with possibility of equivalent product

☐ Description without specification of the commercial product

VRF, Multisplit, Split 1x1, Domestic heat pump

Labels

☐ Key

☐ Type

☐ Reference

☐ Selection

☒ Length

☒ Dimensions

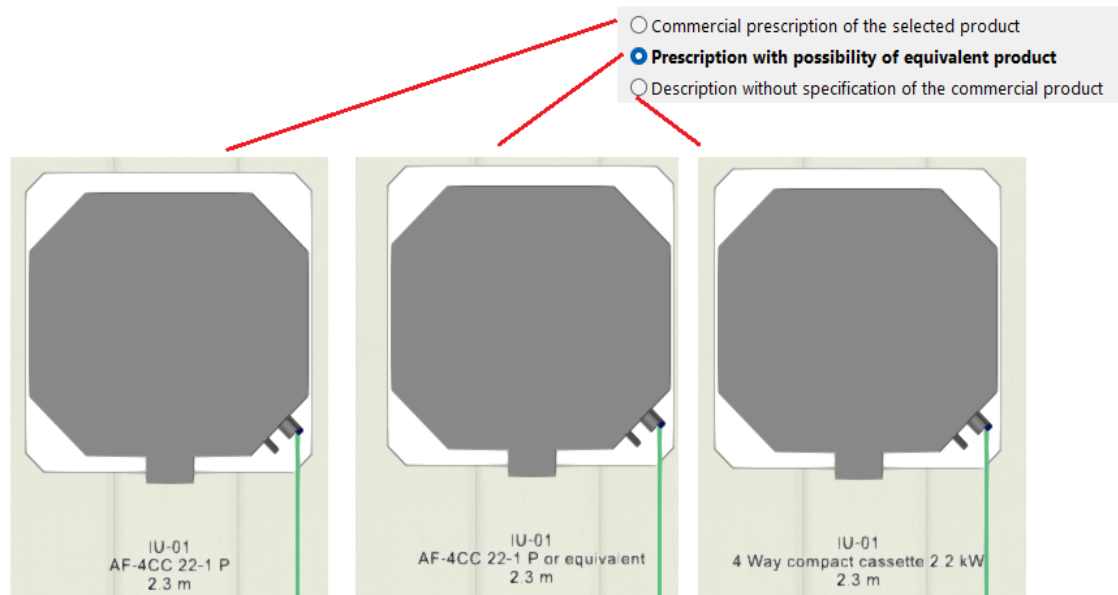
☐ Elevation

Text size
50 mm

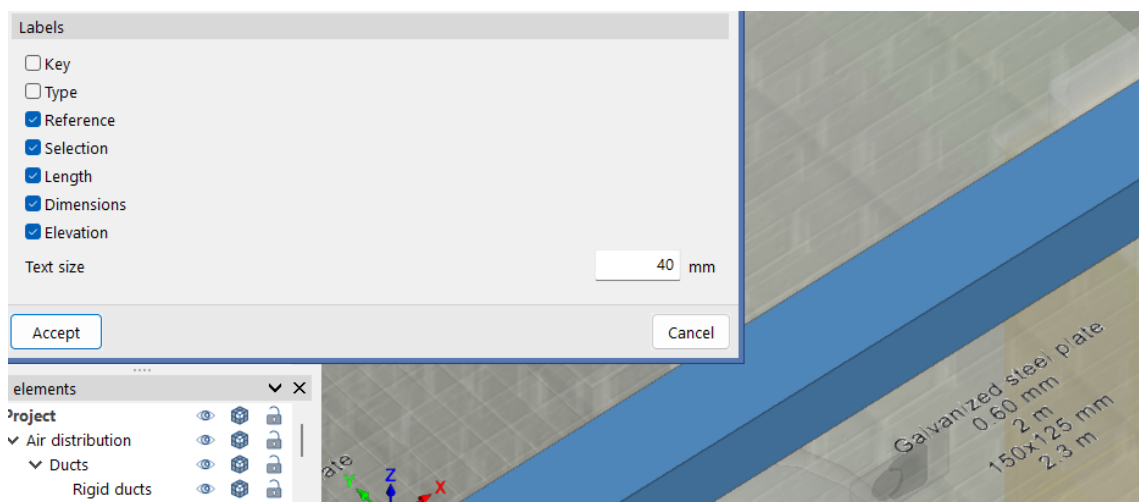
Accept
Cancel

Show maintenance areas. Users can enable or disable the display of the maintenance space in the workspace.

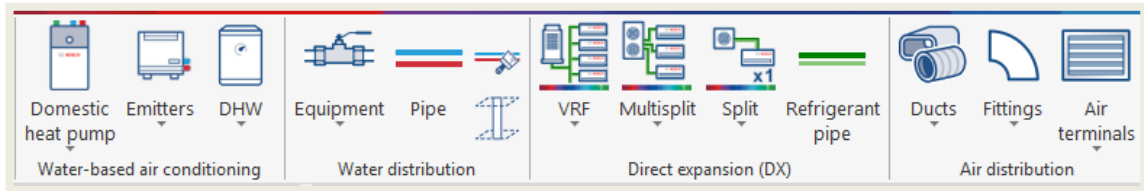
Prescription options:



Labels: The information can be configured.




2.5 Devices



VRF. To design a VRF system, users enter the unit and connect it to the pipes. The programme checks that the line lengths, maximum connected capacities, component selection, and pipe schemas are within the system requirements.

Select a cassette unit. In **Reference** you can give it a name. It is useful for recognising it later in the flow diagram and calculation report, but it is not mandatory.

Indoor unit, cassette



Reference

Series AF2-4CC (4 Way compact cassette)

Selection AF2-4CC 15-1 P

Design condition

Cooling

Heating

☐ Required capacity

☐ Required sensible capacity

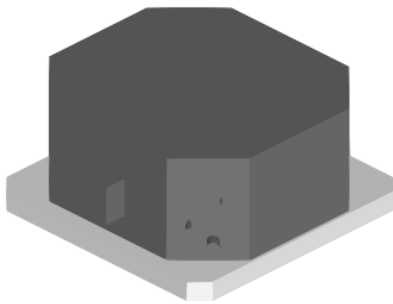
☐ Indoor dry bulb temperature 27.0 °C 20.0 °C

 Indoor wet bulb temperature 19.4 °C

☐ Check the refrigerant charge limit

Assigned thermal loads

3D Model



Nominal cooling capacity 1.5 kW

Nominal heating capacity 1.8 kW

Panel AF2-P 4CC

Compatible outdoor unit AF4300A_R32, AF4300A_R-410A, AF5301A, AF6300AC

☐ Individual control

Series Infrared Room Controller

Selection ARC C IR

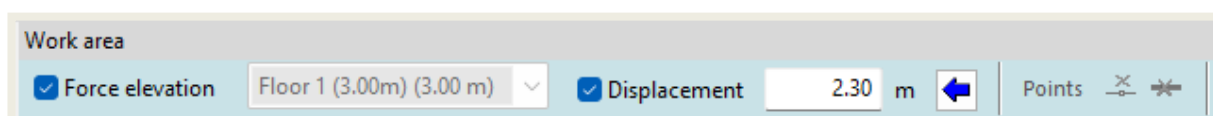
Accept

Cancel

If we check the **Required capacity** option, the program will select the model that meets the specified value during sizing. If we do not specify a value for the required capacity, the software will retain the existing model during sizing.

Air-source Heat Pump. Compact and split aerothermal systems can be inserted.

2.6 Elevation of elements

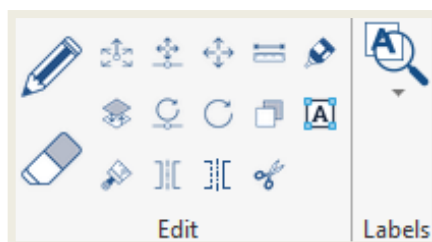


There are 2 ways of inserting units.

☒ **Force elevation**. **Force elevation.** If you choose **Force elevation** mode, the units will be located at the height of the current floor plus the displacement height.

☐ **Force elevation**. If you leave the **Force elevation** unchecked, the height will be the same as the captured height.

2.7 Editing



Edit. Opens the unit panel.

*You can also **double click** the mouse.*



Delete. Press **Delete** and then, select the object you want to delete. The object will turn orange. To finish the selection and execute the operation, press the right mouse button.

*You can also select the objects directly and press **Delete** on your keyboard.*

*To select several objects, you can select them one by one by holding down the **Control** key, or by creating a selection box.*



Move a group of elements. Press **Move group** and then select the desired objects. Press the right button to finish the selection. Then, click on the reference point where you want to move the group. Move the mouse cursor and click to select this new position.



Move. Press **Move point** and pick an object. Click on a different place on the screen.

By default, this is what a single mouse click does.



Rotate a group of elements. Press **Rotate group** and then select the desired group. Finish your selection by pressing the right mouse button. Then click the pivot point and see how the group rotates. Click on the final position.



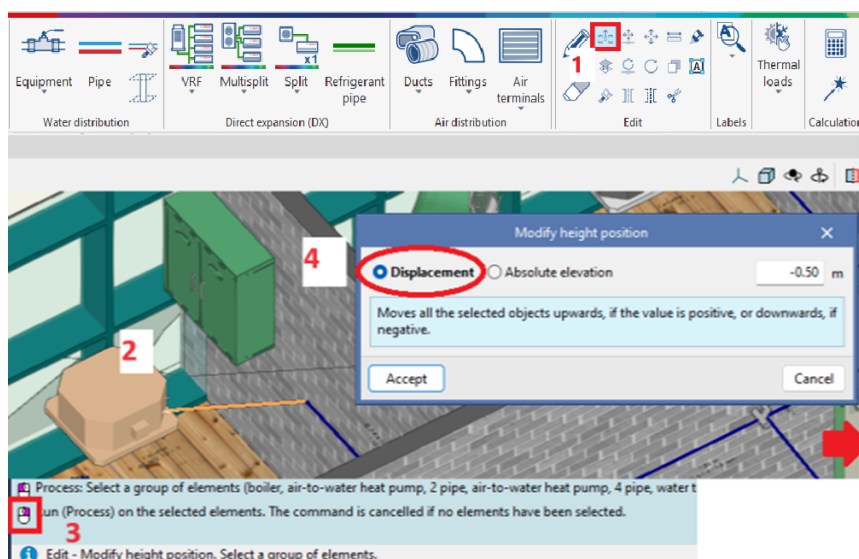
Rotate. Press **Rotate** and then select a single element. A pink lever will appear, click on it to rotate, click again to secure it into its final position.



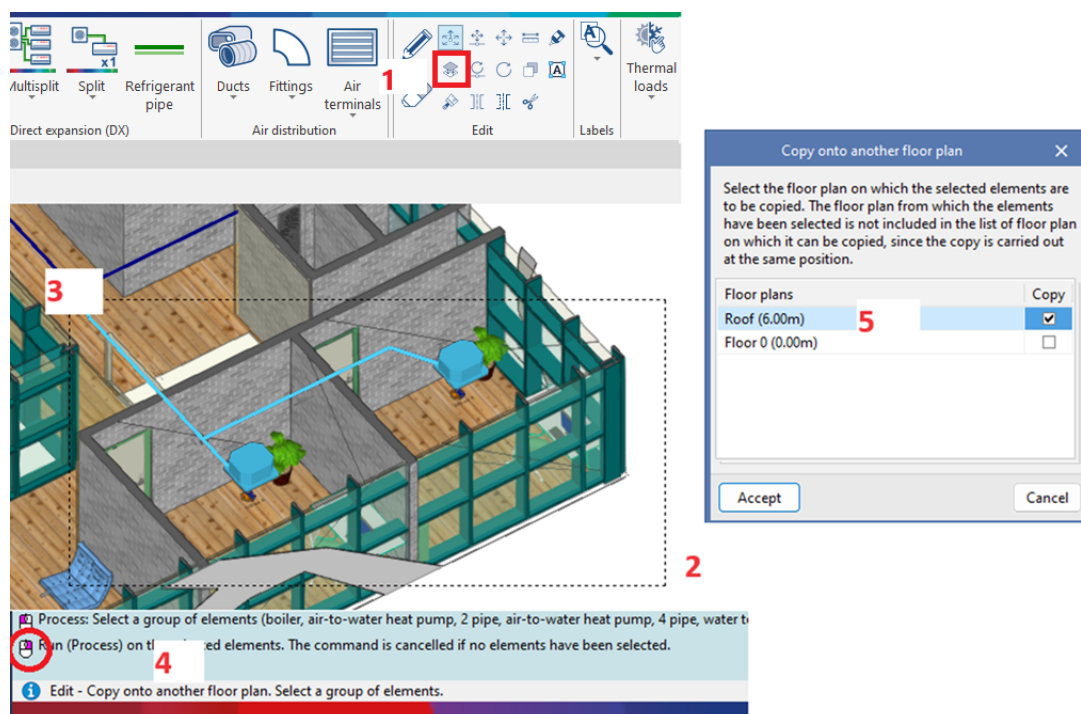
Copy. Press **Copy** and then select a group of elements. Press the right mouse button to finish the selection. Then select the desired point. Click where you wish to place the copied object.

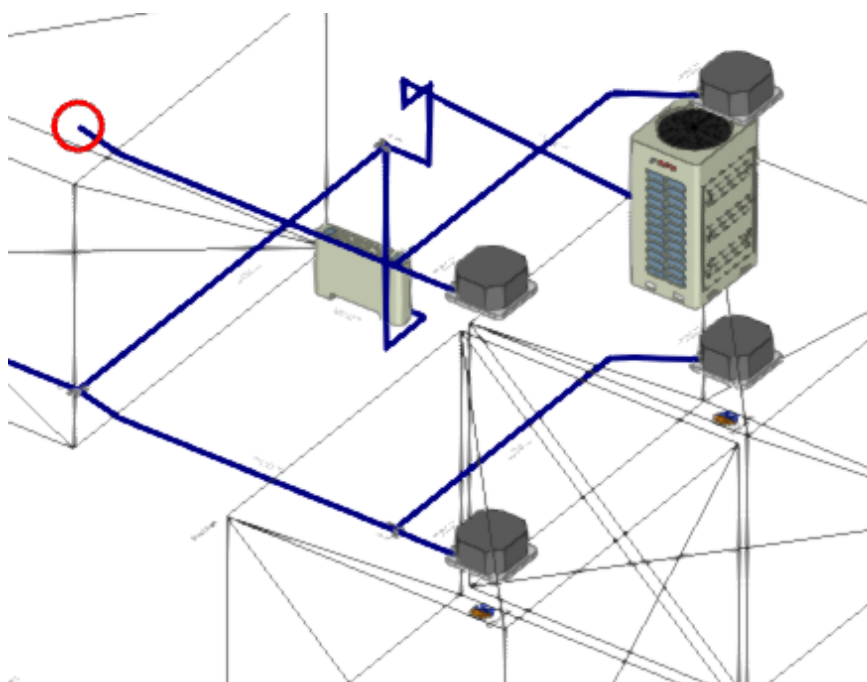


Modify height position. Even when moving units vertically, the vertical pipes are created automatically.



Copy onto another floor plan. Press this button and select one or more objects. Click the right mouse button to finish the selection. Select the floors where you wish to copy the selection.





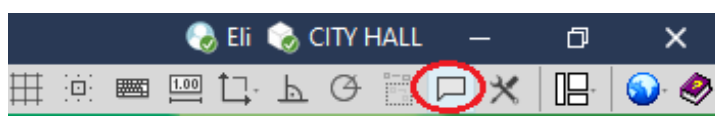
2.8 Calculation



Analyse. By pressing this button, the programme runs a calculation process. The tool checks that the piping routing is correct, the pipe lengths are in the permitted range and displays errors if something must be corrected.

The software selects the size of the **pipes** and Y branches. Make sure that **Tooltips** is activated in order to see the results on screen.

(Please activate this button to view the tooltips)



Place the mouse cursor over the outdoor unit to see all the compliances. This list will be included in the calculation report.

Outdoor unit, heat pump (2 pipe)	
Reference	OU-1
Catalogue	Bosch
Series	AF5300A
Selection	AF5300A 25-3
Absolute elevation	7.0 m
Height above the floor (Roof (6.00m))	1.0 m
Power (Cooling)	16.0 / 25.2 kW
Power (Heating)	17.3 / 27.0 kW
Refrigerant	R-410A
Results and checks	
Connected indoor units	$1 \leq 8 \leq 13$
Connection ratio for cooling	$50.00 \leq 76.98 \leq 130.00$ %
Connection ratio for heating	81.48 %
Total pipe length	$51.7 \leq 1000.0$ m
Real pipe length to the furthest unit	$26.9 \leq 175.0$ m
Equivalent pipe length to the furthest unit	$30.4 \leq 200.0$ m
Real pipe length to the furthest unit, from the first branch	$18.3 \leq 40.0$ m
Real length of the pipe between the indoor unit and the branch	$3.1 \leq 20.0$ m
Difference in height between indoor and outdoor units	$4.0 \leq 90.0$ m
Difference in height between indoor units	$2.3 \leq 30.0$ m
Total refrigerant load	$13.80 \leq 23.90$ kg

Place the mouse cursor over an indoor unit. The cassette from this space has been selected.

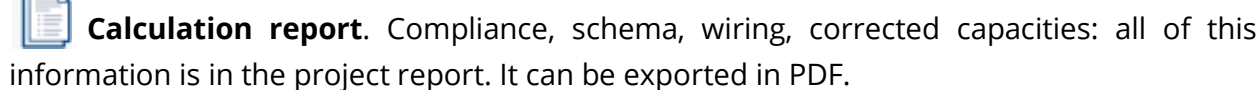
Indoor unit, cassette	
Catalogue	Bosch
Series	4 Way compact cassette (compatible 5300-6300)
Selection	AF-4CC 17-1 P
Absolute elevation	5.30 m
Height above the floor (Floor 1 (3.00m))	2.30 m
Results and checks	
1575 ≥ 1253 W	✓
1187 ≥ 1002 W	✓
2140 ≥ 1253 W	✓
Refrigerant concentration limit	$0.35 \leq 0.44$ kg/m ³
Assigned thermal loads	Office_2



The software also selects the **size** of the **units** according to the thermal loads.



The screenshot displays the Netplan network configuration tool interface. At the top, there is a toolbar with icons for various functions. The main area shows two network diagrams side-by-side. The left diagram illustrates a central switch (Switch 1) connected to multiple access points (APs) and a server. The right diagram shows a similar setup but with a different topology for the access points. Both diagrams include detailed specifications for each device, such as model, IP address, and MAC address. The bottom of the window features an 'Accept' button.



Documents

VRV Split 1x1 Multisplit Domestic heat pump Air distribution Worst case spans Materials Drawings

Reports

Document

4 of 9

Share Export Print...

BOSCH

2.AF5300A25-3

2.1. Indoor units

Selection	Reference	Space	Individual control	Thermal capacity (Nominal/Corrected/Required)		
				Cooling	Heating	Heating
AF-4CC 17-1 P		Office_1		1700/1567/1248 W	1200/1181/998 W	2200/2140/1248 W
AF-4CC 17-1 P		Office_2		1700/1575/1253 W	1200/1187/1002 W	2200/2140/1253 W
AF-4CC 17-1 P		Office_3		1700/1556/1179 W	1200/1173/943 W	2200/2140/1179 W
AF-4CC 17-1 P		Office_5		1700/1560/1115 W	1200/1175/892 W	2200/2140/1115 W
AF-FC 22-1		Corridor		2200/1914/0W	1500/1425/0W	2400/2330/0W
AF-DL 28-1 P		Meeting room		2800/2566/2050 W	2100/2078/1640 W	3200/3100/2050 W
AF-DL 28-1 P		Boardroom		2800/2560/2032 W	2100/2072/1625 W	3200/3100/2032 W

2.2. Outdoor unit

Selection	Thermal capacity (Nominal/Corrected)		Standard factory setting (Nominal/Corrected)		Rating associated with	
	Cooling	Heating	Cooling	Heating	Cooling	Heating
APS 300A 25-3	25200/10797W	25200/11229W		11 kg	2.16 kg	11.16 kg

2.3. Checks

Name	Design	Specification	Meets the requirements
Connected indoor units	7	13	✓
Connection ratio for cooling	57.94%	50 % - 130 %	✓
Connection ratio for heating	69.84%	50 % - 130 %	✓
Total pipe length	42.28 m	1000 m	✓
Real pipe length to the furthest unit	16.03 m	175 m	✓
Equivalent pipe length to the furthest unit	19.03 m	200 m	✓
Real pipe length to the furthest unit, from the first branch	12.72 m	40 m	✓
Real length of the pipe between the indoor unit and the branch	6.91 m	100 m	✓
Difference in height between indoor and outdoor units	3 m	110 m	✓
Difference in height between indoor units	2.3 m	30 m	✓

Accept Cancel



Show/Hide incidents. Errors and warnings can be shown or hidden.

2.10 Drawings



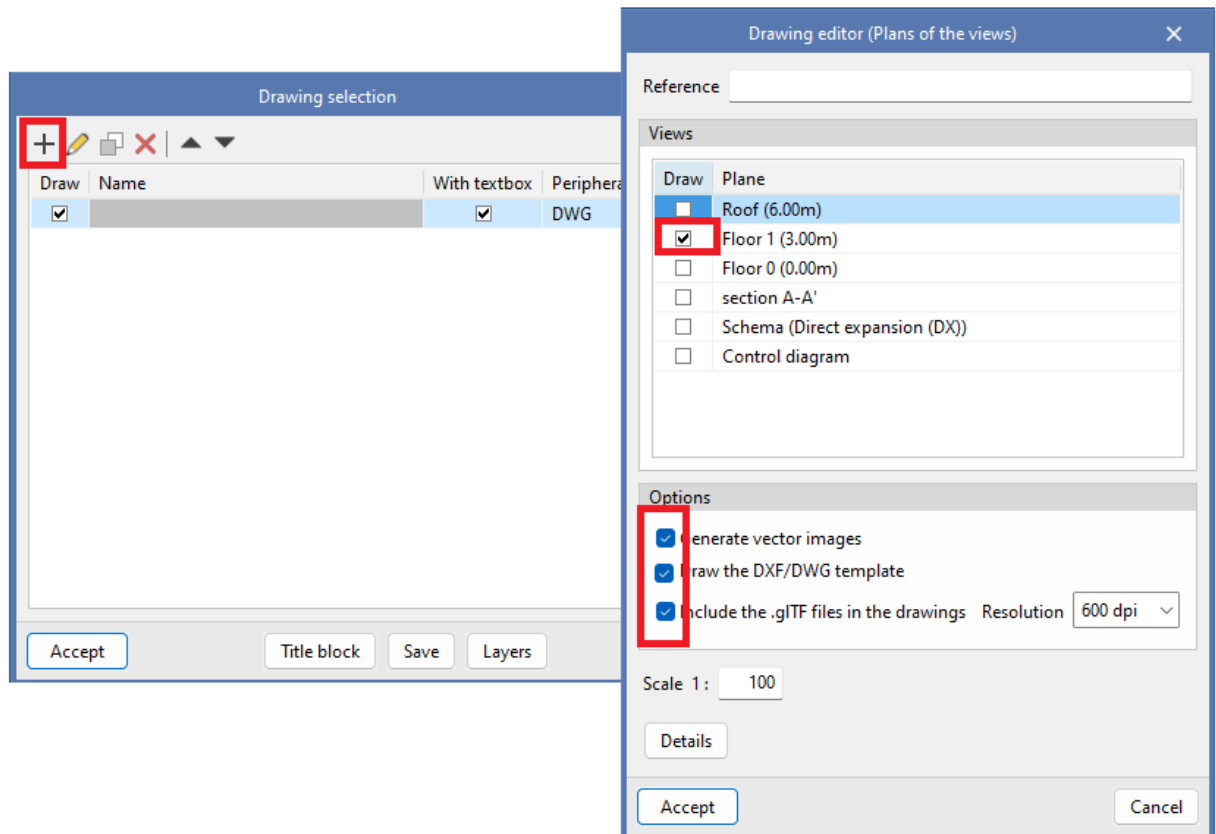
Save.



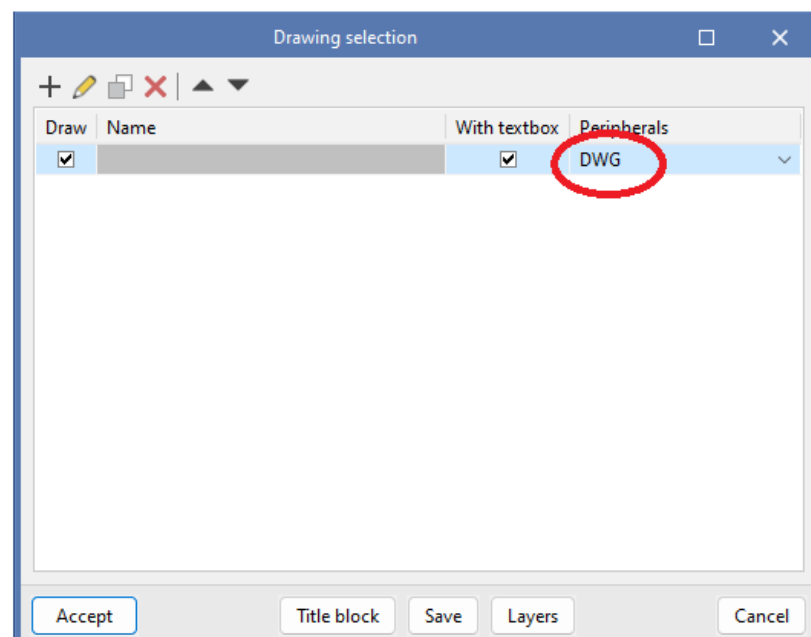
Undo. Ctrl+Z

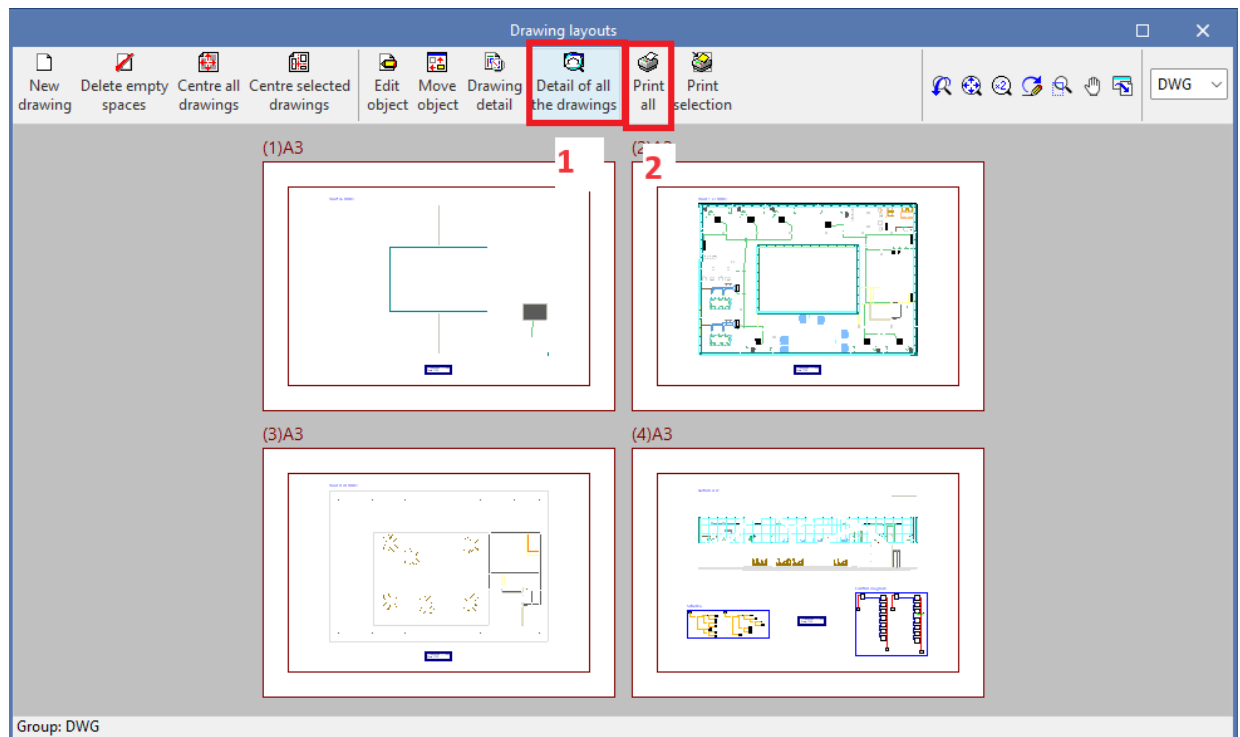
↶ **Redo.** Ctrl+Y

 **Drawings.**

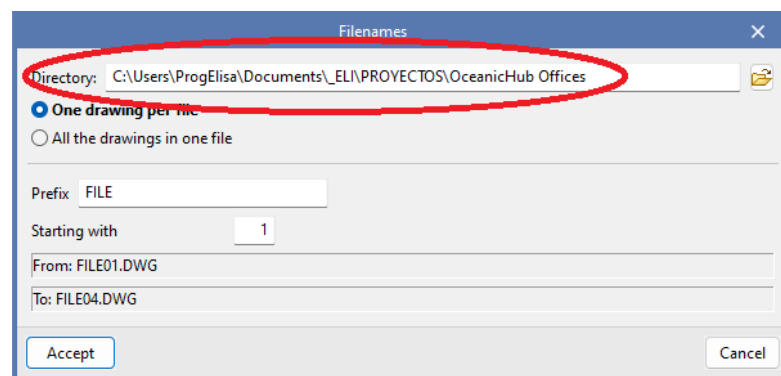


Select DXF/DWG template.





Select where to save the files.



2.11 CAD Templates

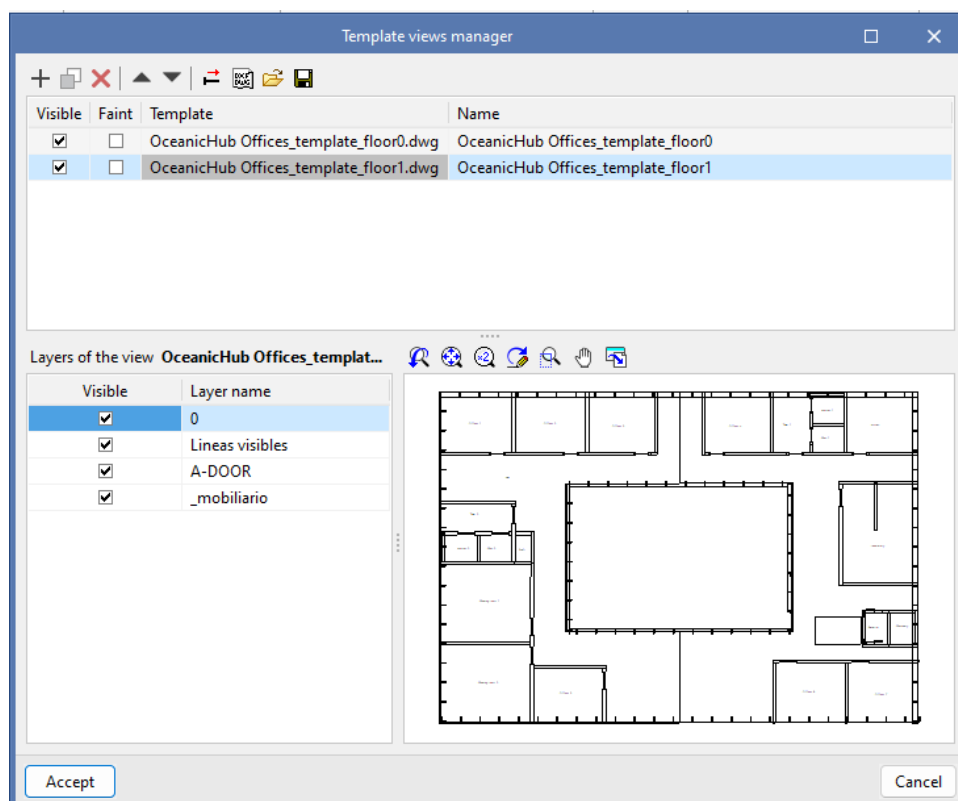
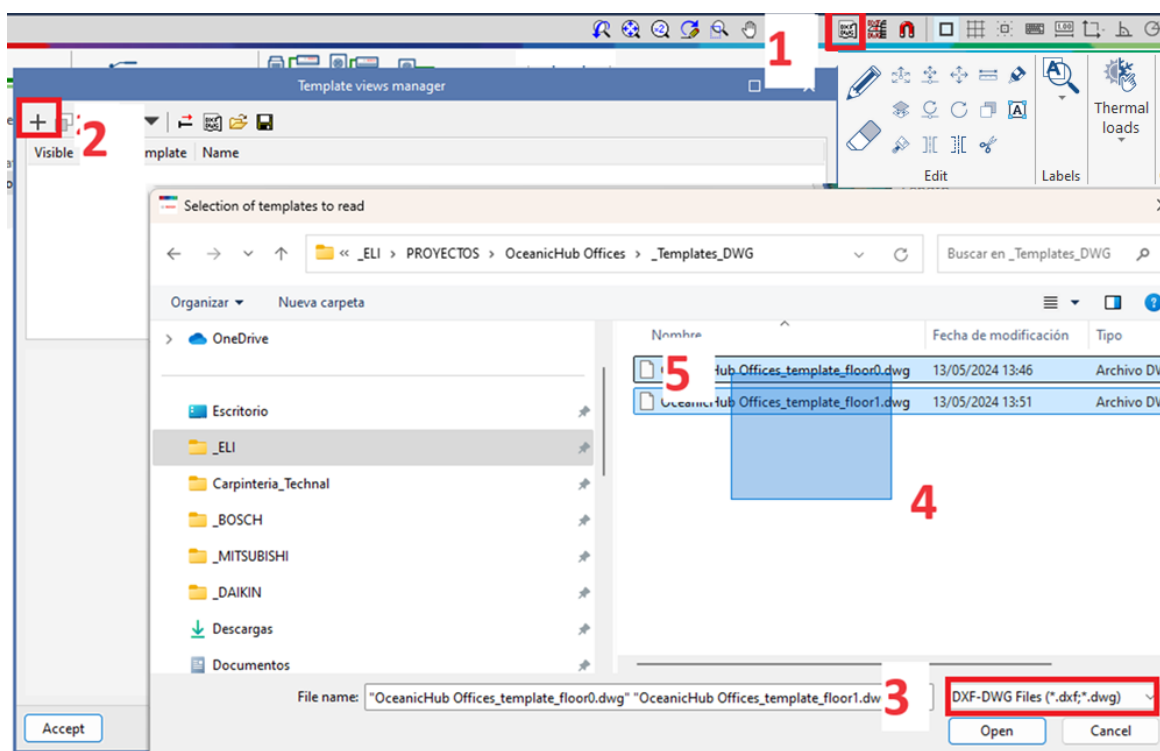


If users have CAD templates but not a BIM model of the building, Open BIM BOSCH can be used in isolation. In this case, CAD templates may be imported.



Step 1: Import templates saved on the computer into the "File.hvbos".

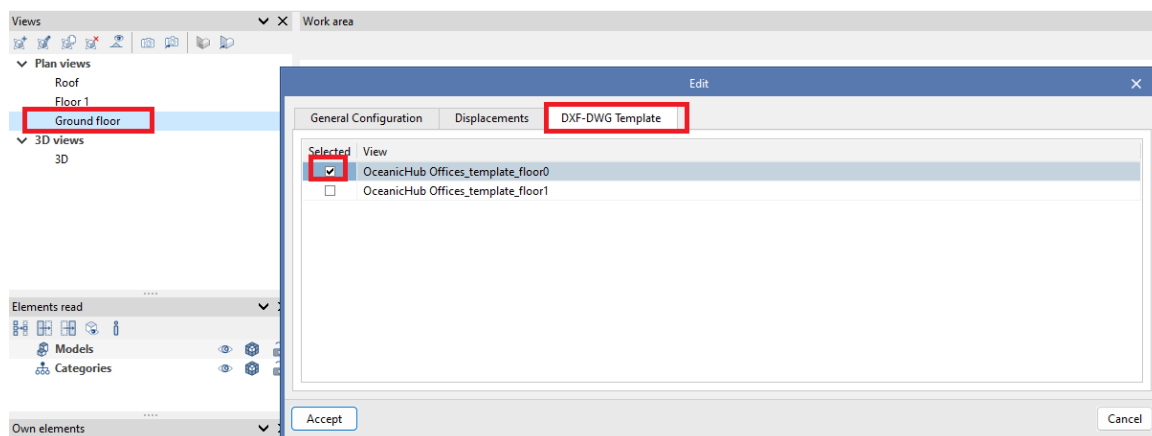
Several files can be selected at the same time by pressing the **Shift** key.



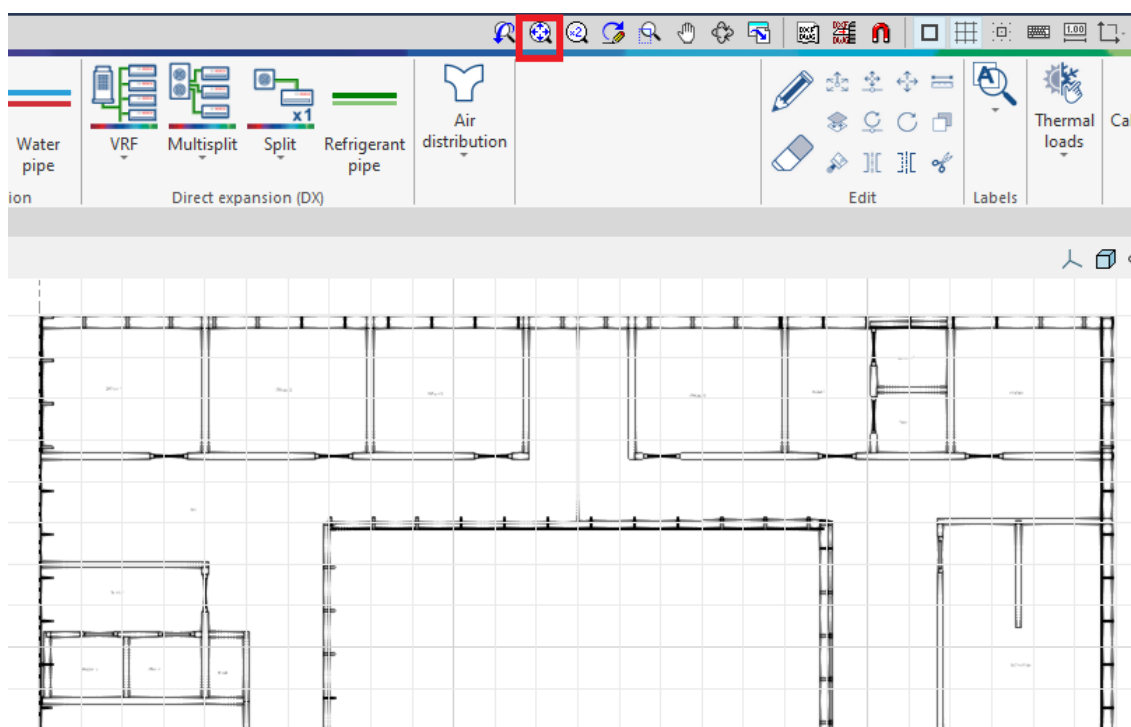


Step 2: Choose which template will be visible on each view:

- On floor 0, select the template “Floor 0”

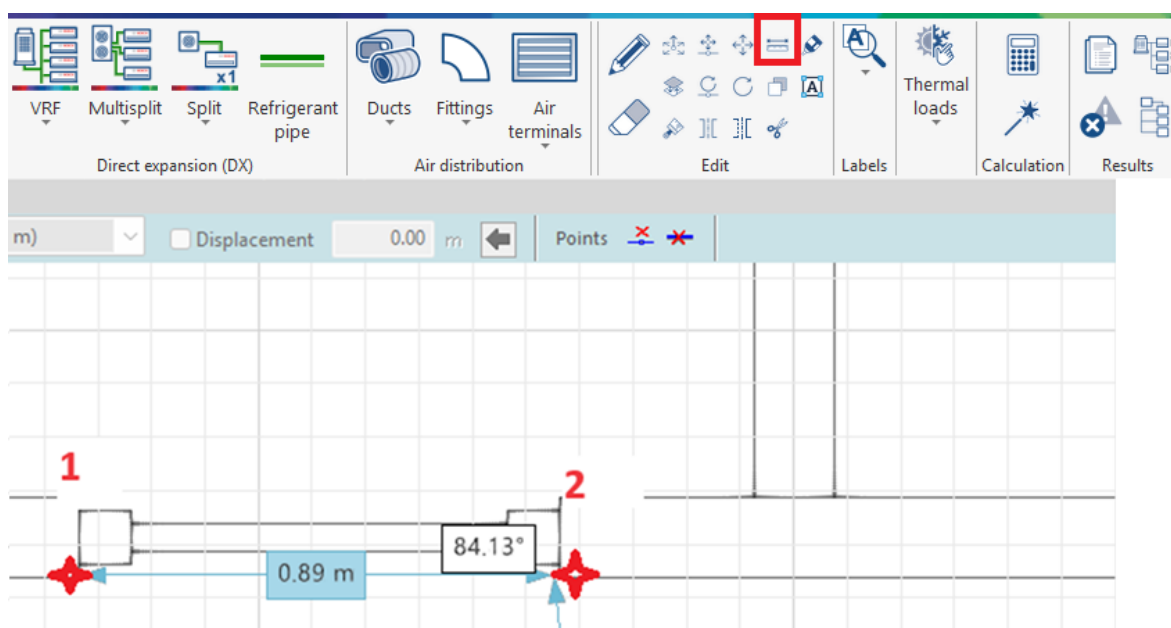


Double click the mouse wheel in order to centre the drawing (or press **Full window**).



Repeat this assignment for the rest of the floors.

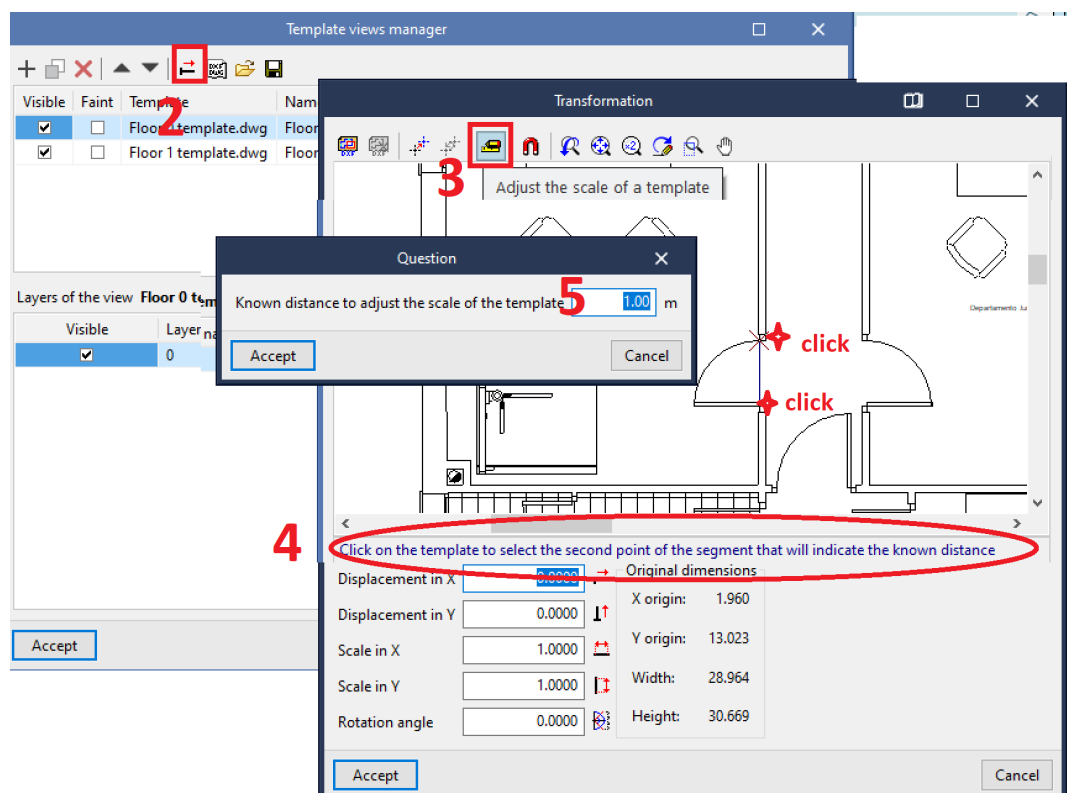
Scale templates. The DXF/DWG template may have a scale. In general, drawings usually have DIN A0, A1, A2, A3 or ANSI A, B, C, D or E dimensions. Measure the template to detect its size.



To modify the scale, select the **Template**  button again. The scale can be modified as follows:

Option 1: In the "Scale in X and Y" fields.

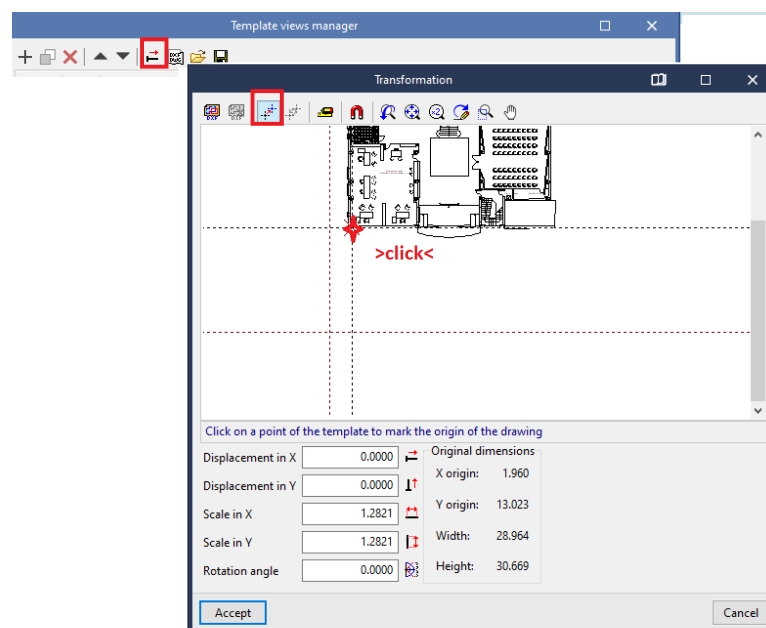
Option 2: If the scale is unknown, it can be introduced as a known dimension, such as a door.



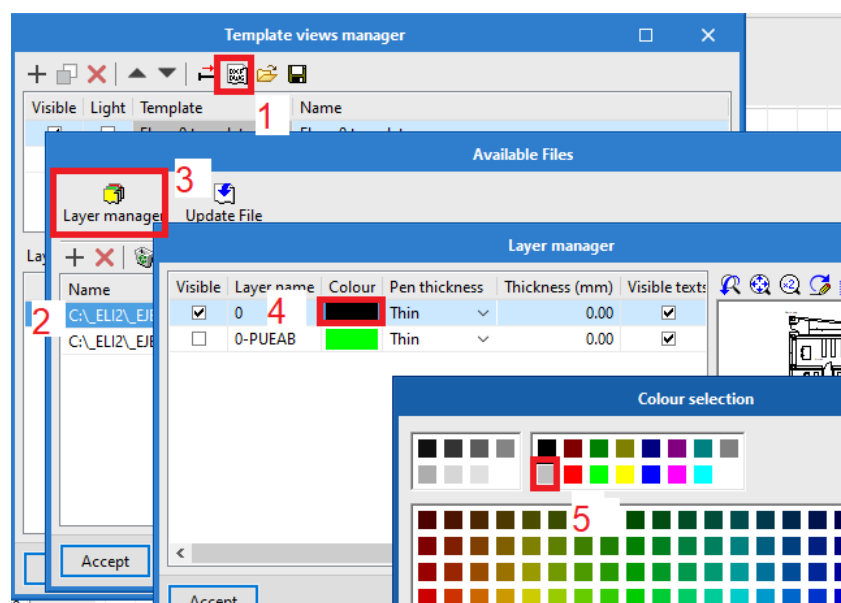
If there are several templates, the scale must be changed in each template.

Origin of coordinates

Good practice: place the origin of the coordinates at a known point. Do this in each template.



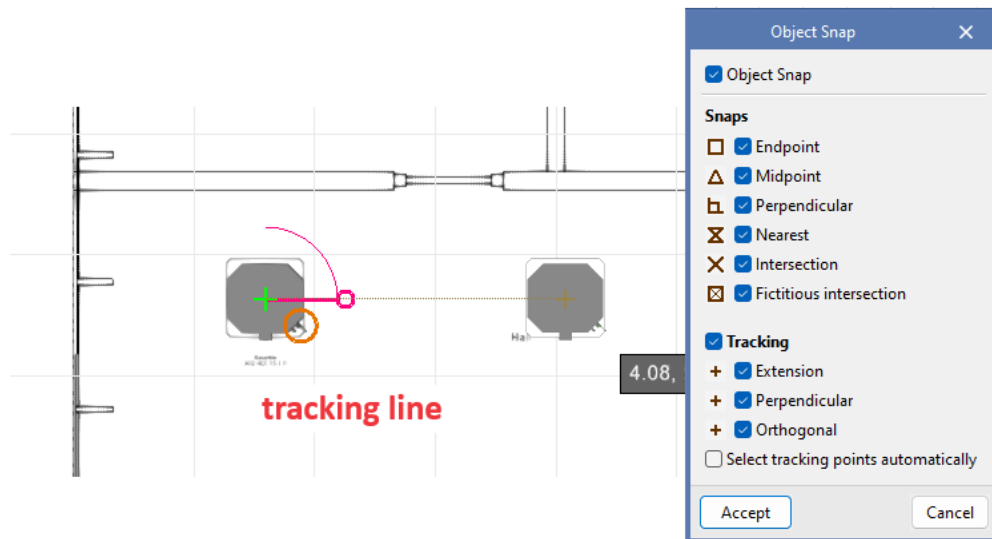
Change the colour. The colour of the CAD layers can be changed here:




2.12 Configuration




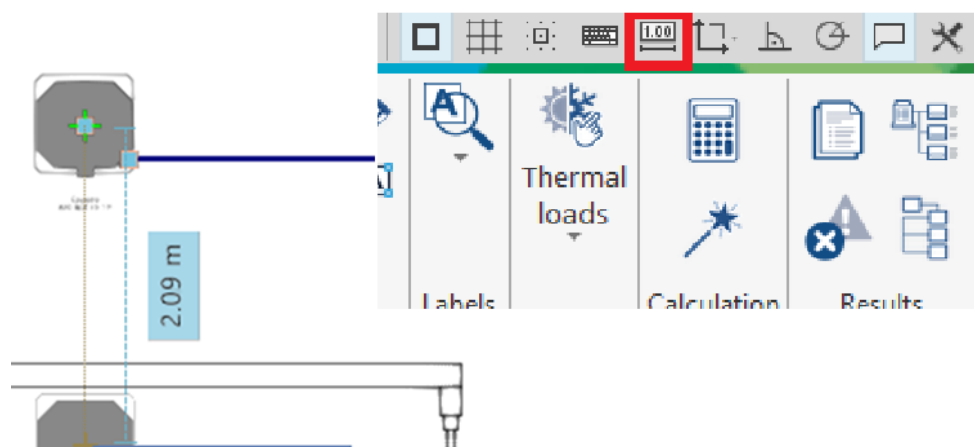
 **Object snap.** It is strongly recommended to have all the object snaps like this.



 **Grid.** Users can activate or deactivate the grid.

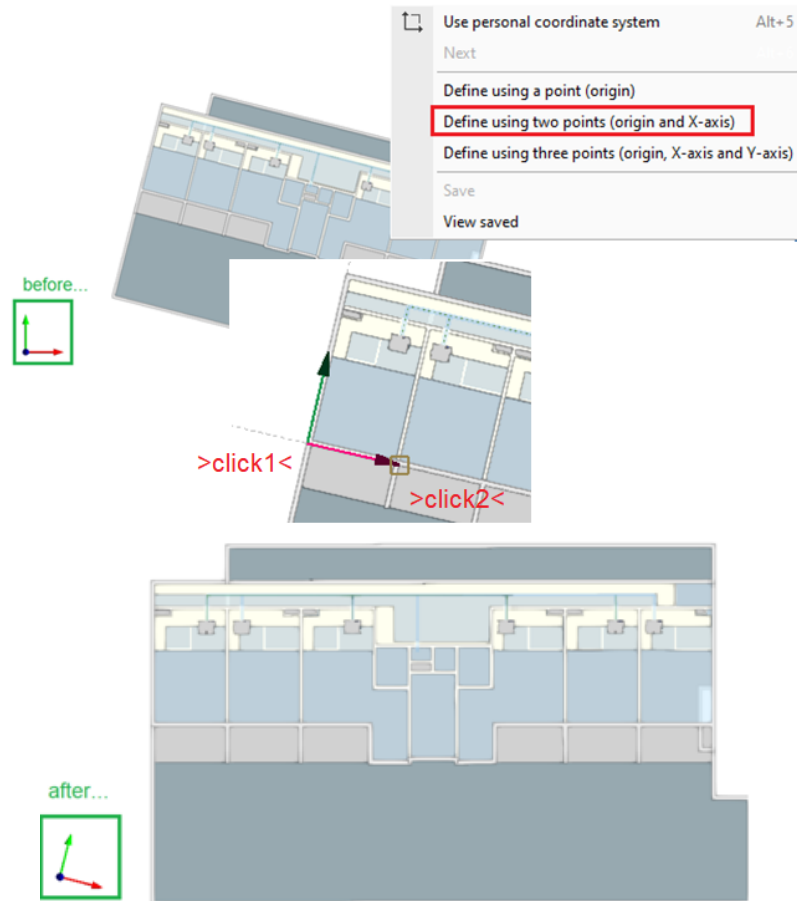
 **Snap to grid.** Users can activate it if they want to enter units according to the grid.

 **Introducing elements with defined distances.** If this tool is activated, the programme shows distances to other elements while users are inserting objects. By clicking on it, a field appears where users can type in the desired measurement, and press enter (2 metres in this example).



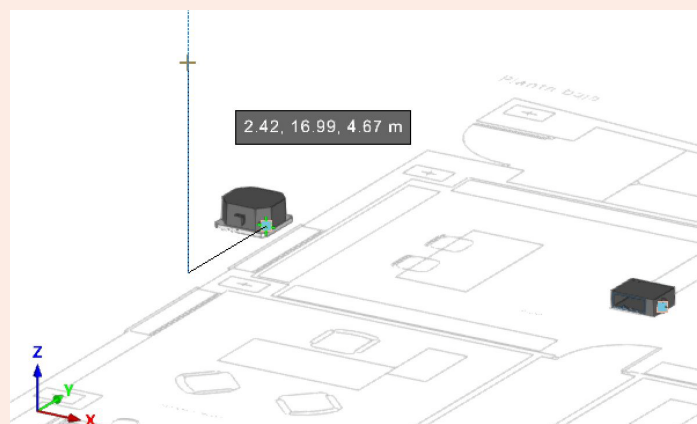


Personal coordinate system. Sometimes the building is not aligned with the “x” and “y” axes. In order to work easily, you might need to rotate it to work orthogonally.



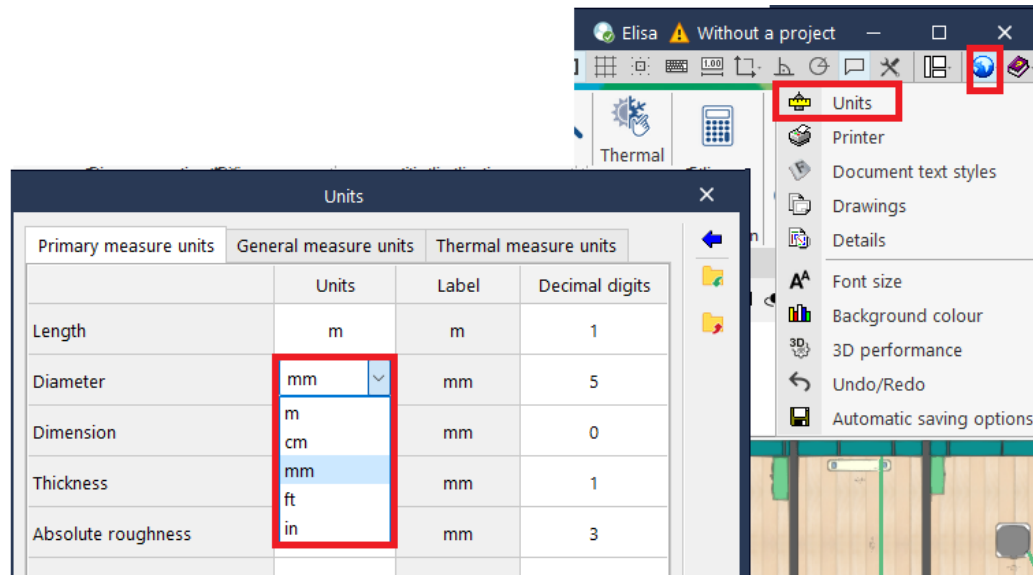
Orthogonality and polar tracking. It is recommended to disable it.

While users are drawing, the programme usually draws orthogonally and helps users by highlighting a projection in the colour of the axis.

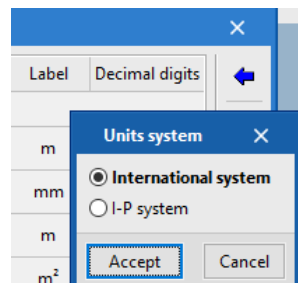


General configuration

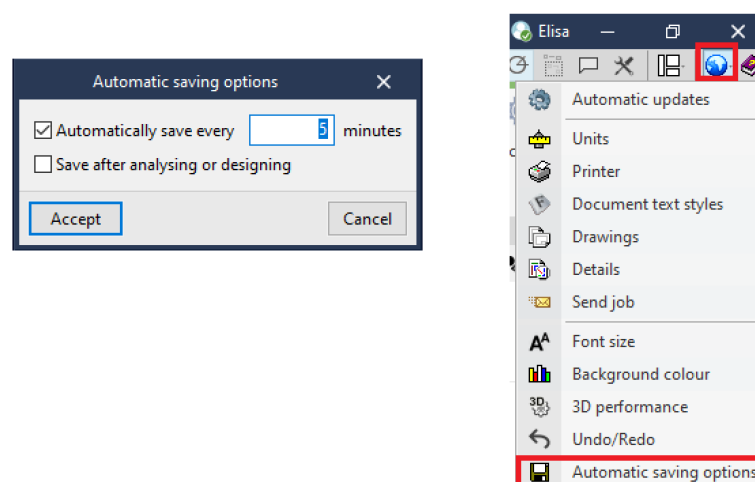
Units. You can configure the units and the number of decimals.



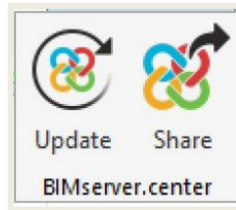
You can configure them one by one, or all at once with the blue arrow.



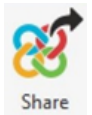
Autosave. Configure the autosave as shown in the image.



2.13 BIM export/Import



Update. Updates the model when some IFC of the project has changed (for example, architecture, thermal loads, etc.).



Share. Exports the IFC of the installation and the calculation report.

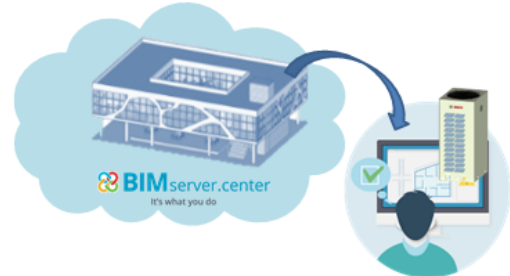
3 How to create a project

Open BIM BOSCH can be used with CAD templates (as a standalone tool) or integrated into a BIM project (using a 3D architecture).

A With CAD Templates (no BIM)
Import CAD templates to quickly create a system.



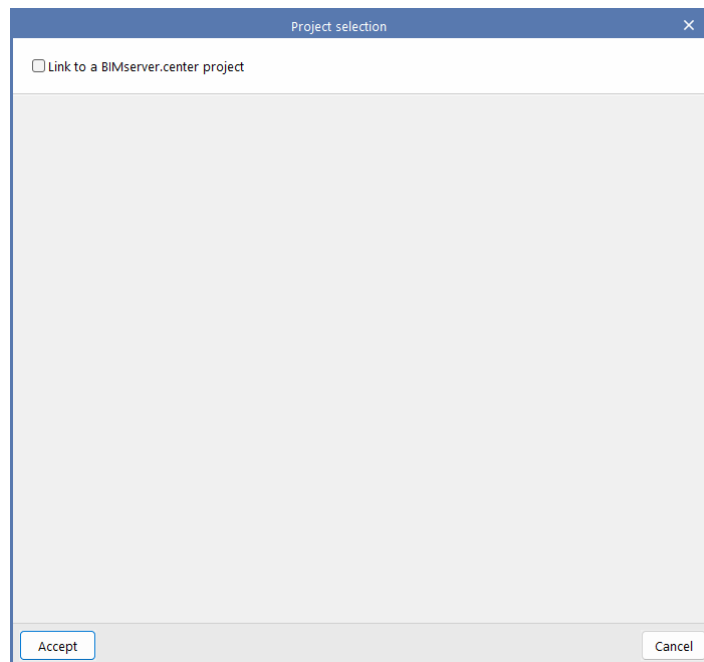
B With BIM project
Join an architectural model



3.1 A) With CAD templates (no BIM)

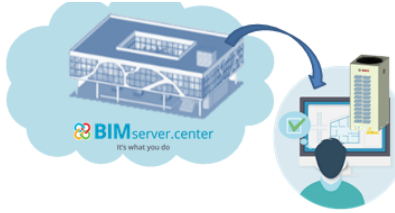


Create a new project.



The wizard helps to create the floors and import the cad templates. Anyway, after you can modificate all this. See the part **2.1. Views** and **2.11. CAD Templates**

3.2 B) With BIM project



3.2.1 *Achieve the Building Geometry and Create the BIM Project*

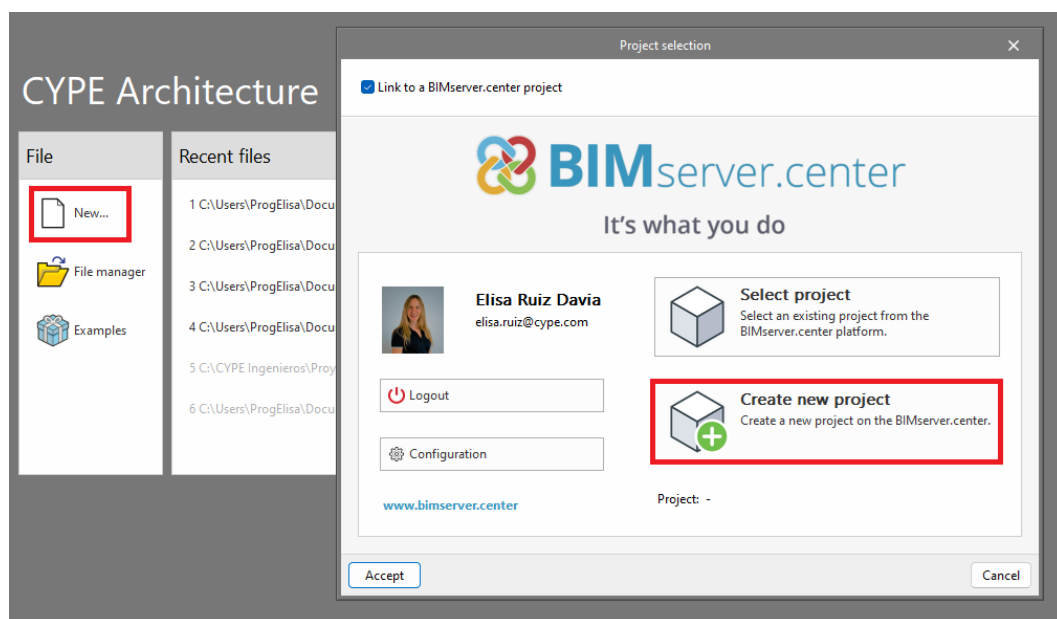
The building geometry may be generated using any 3D architectural modelling software. If the architect does not use 3D modelling tool, the HVAC technician can take responsibility for creating the BIM project.

If the architectural software belongs to CYPE, it is already configured to create the 3D building geometry and create the BIM project directly within the program. CYPE applications, such as CYPE Architecture and IFC Builder, include buttons to export and create the BIM project on the platform.

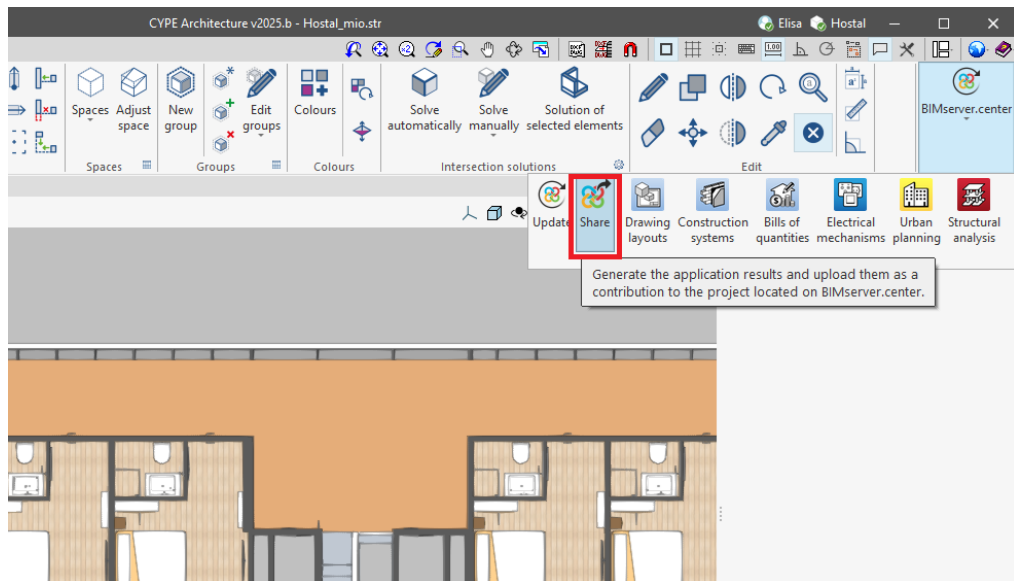
Below are some examples to help you get started.



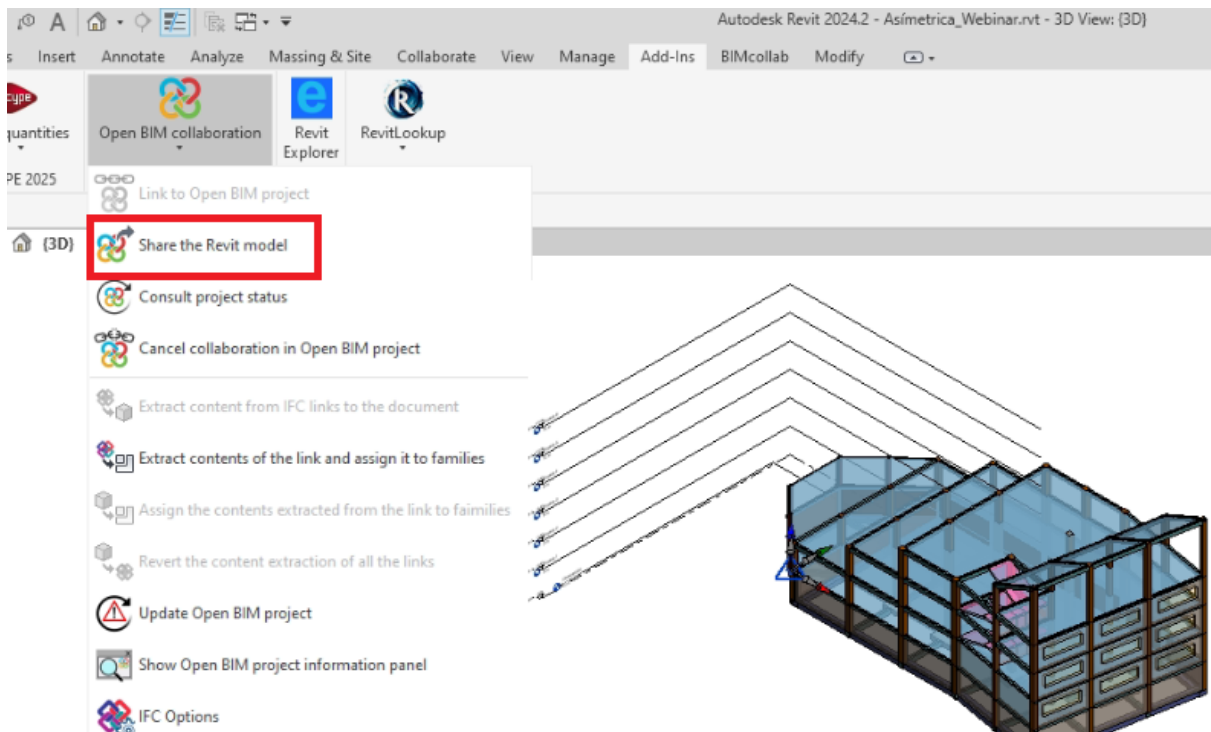
CYPE Architecture. Generating a simple 3D model is simple. In the **Create a new file** process, the project setup wizard helps users create the BIM project.



After designing the building geometry, click **Export**, and leave the check “export DWG” on.



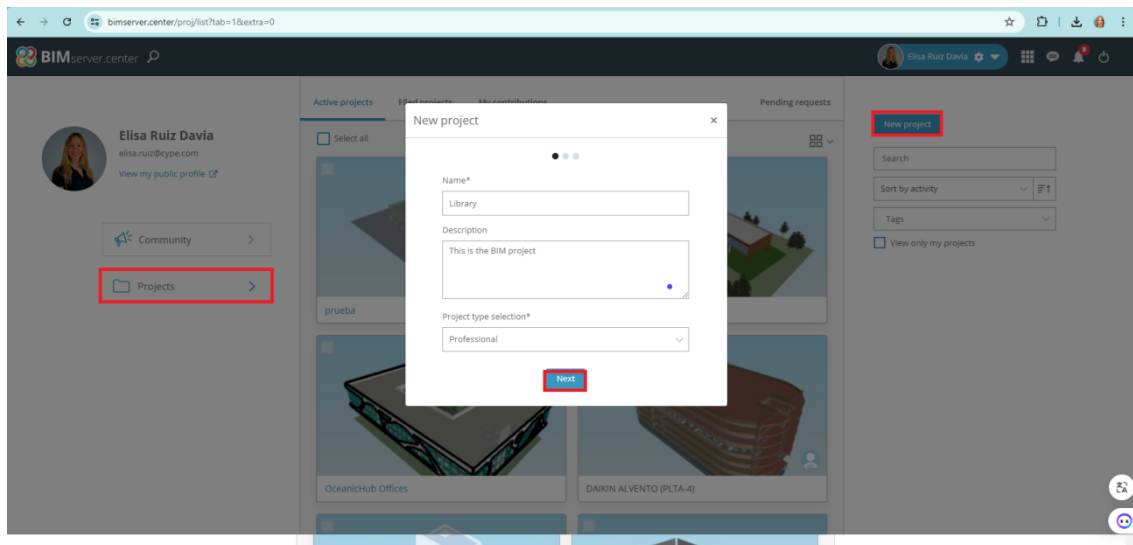
With Revit. CYPE has developed a complement which has been installed in the ribbon. The BIM project must be created directly in the software itself, by clicking **Export**.



With other 3D modellers (file.ifc). There are several modellers available on the market, and all of them are generally able to export a IFC file with its geometry and data due to a standard code.

Users can integrate any IFC file into the BIM workflow:

- Creating the BIM project directly in BIMserver.center.



Regardless of the 3D geometry generator used (CYPE Architecture or Revit), it is good practice to check that the file has been uploaded to the platform. Sometimes offices have restricted internet access for employees, if you have any problems, please contact technical support.

3.2.2 Connect Open BIM BOSCH to the BIM Project

Users must create a new project and link it to a BIM Project. The building geometry will be automatically included. If thermal loads have been calculated, include them.



Open BIM BOSCH v2025.d

Elisa

Open BIM BOSCH

File

- New...
- File manager
- Examples

Recent files

- C:\Users\ProgElisa\...
- C:\Users\ProgElisa\...
- C:\CYPE Ingenieros\...
- C:\Users\ProgElisa\...
- C:\Users\ProgElisa\...
- C:\Users\ProgElisa\...

Catalogue management

The connection with the Open BIM Database allows you to use manufacturer catalogues, making it easier for you to develop your projects.

BOSCH
Invented for life

What are these catalogues?

- Outdoor units VRV
- Outdoor units VRV
- VRF indoor units
- Multisplit
- Split 1x1
- Domestic heat pumps

You do not need to register to Open BIM Database. However, from users who download the software, we will notify you and you will need to register.

OBDatabase Elisa Disconnect

Project selection

Link to a BIMserver.center project

BIMserver.center
It's what you do

Elisa Ruiz Davia
elisa.ruiz@cype.com

Select project
Select an existing project from the BIMserver.center platform.

Create new project

Logout

Config...

www.bimserver.center

New features

Try out
Ver más

Accept

Import of BIM model

Link BIMserver.center

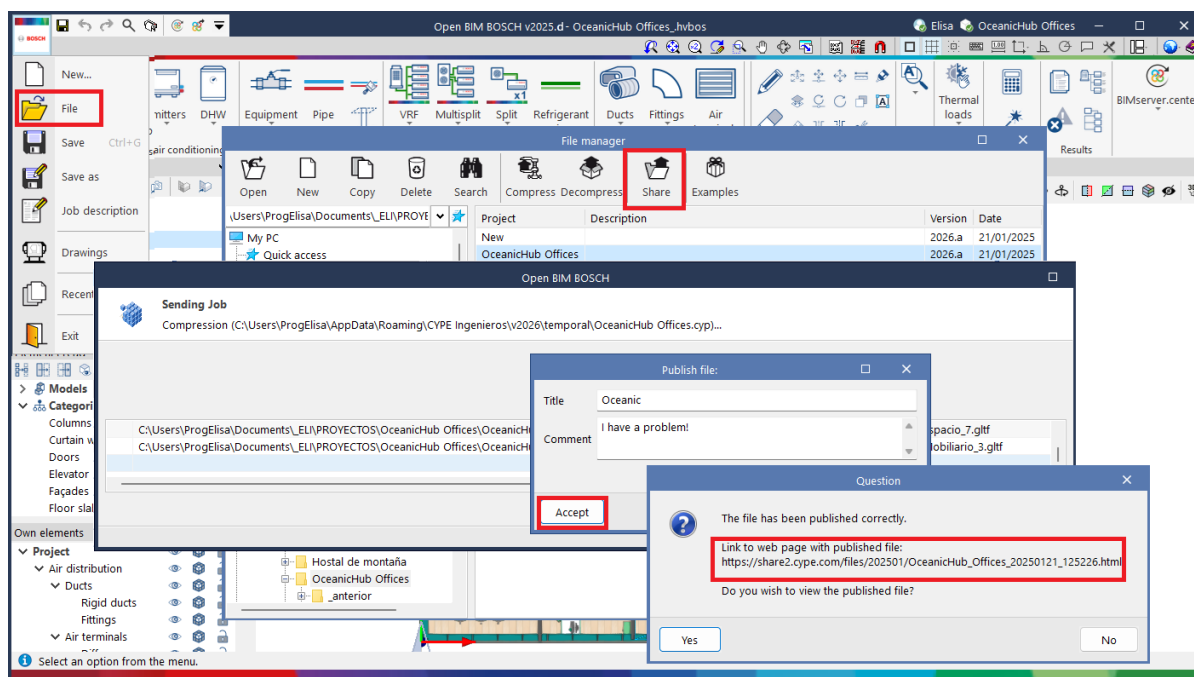
Project Prueba de comunicación - IFC BUILDER

Select the files you want to include

Import	Contribution	Description
<input checked="" type="checkbox"/>	Prueba de comunicación - IFC Builder	Architectural design
<input checked="" type="checkbox"/>	Cargas térmicas	Thermal analysis

4 Contact

Sharing files. Sometimes users may wish to send the "*File.hvbos*" to other colleagues (illness, holidays, etc). Besides the traditional ways, (email, We Transfer, etc) CYPE programmes have a more direct method for sending files, (regardless of their size):



Support

Using the programme, browsing through the user interface, designing with the software, and obtaining the finished model will become clearer after completing this Open BIM BOSCH manual. If you still have questions, problems, or need more information, please visit our website (<https://learning.cype.com/en/technical-support/>), or contact CYPE.