

TIMEPAC

Academy

Session Creating a BIM model Case study – Educational building

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Institut "Jožef Stefan" Ljubljana, Slovenija
Center za energetsko učinkovitost



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA OKOLJE, PODNEBJE IN ENERGIJO



EDILCLIMA®
ENGINEERING & SOFTWARE



Objective

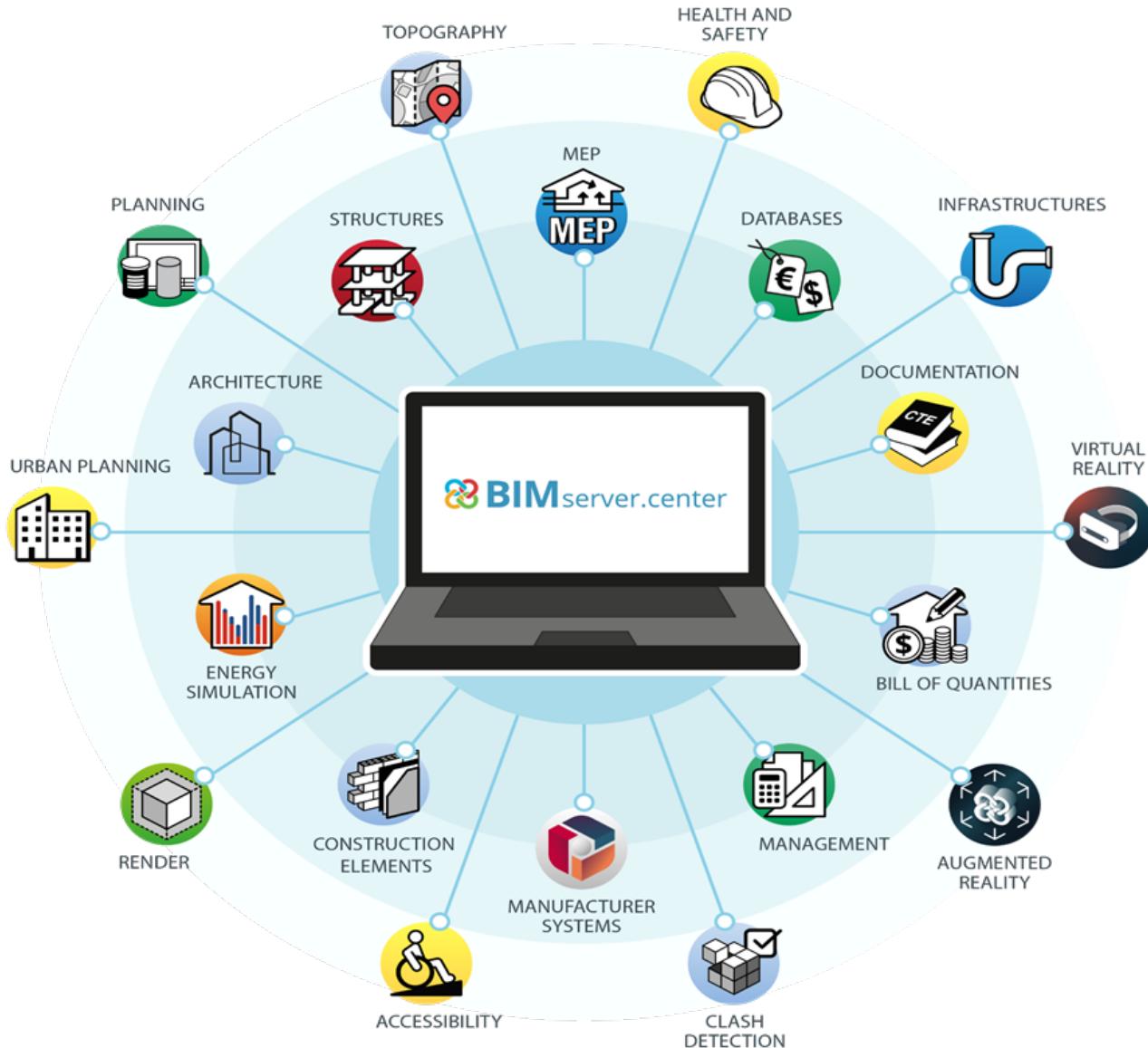
How to use BIM modelling software to create a model of an educational building.

Architecture

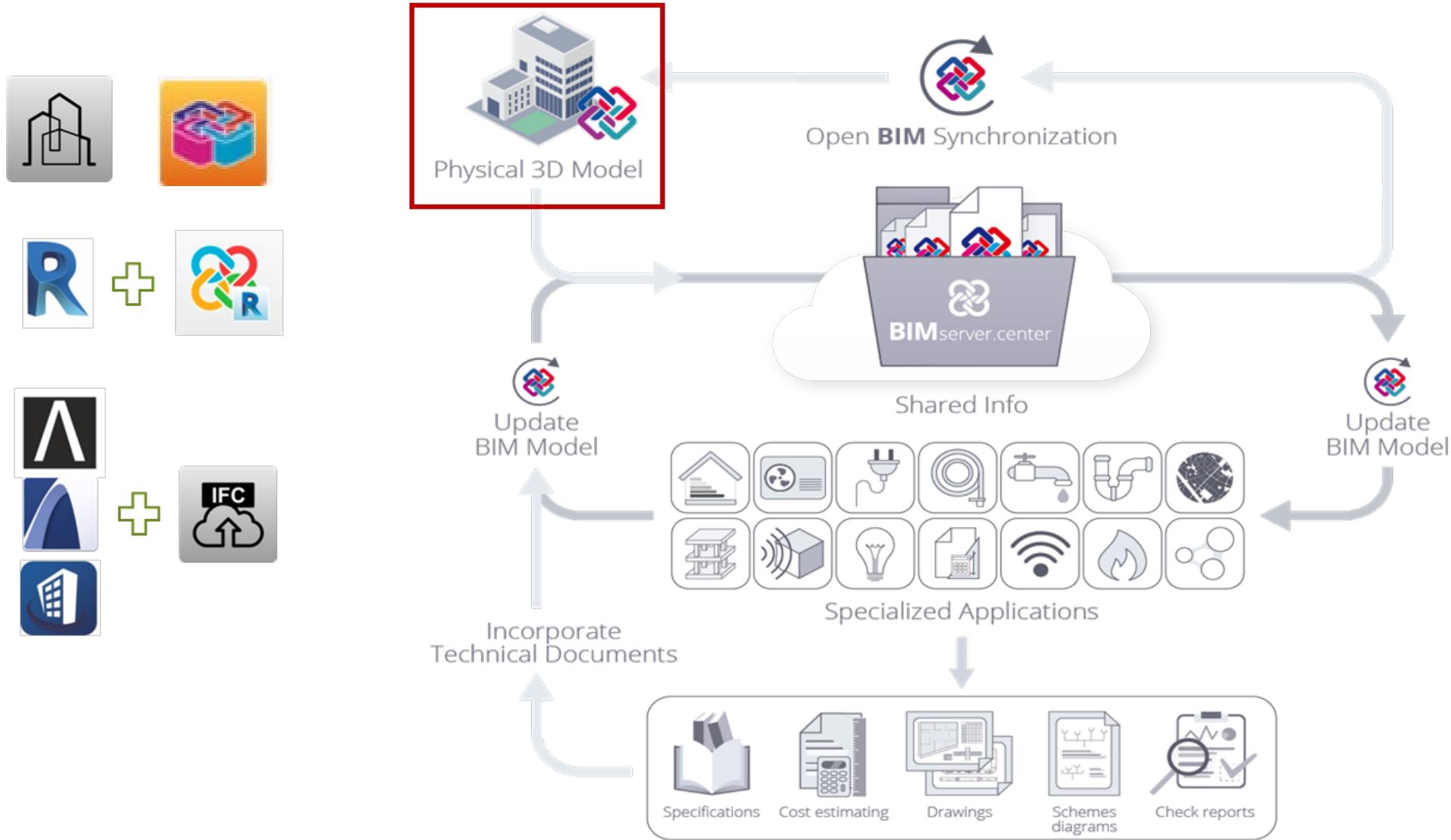
MEP

Structures

Management



CYPE Workflow



Ciljno usposabljanje: Zbiranje, analiza in koristna uporaba podatkov, ki smo jih pridobili v procesu izdelave energetskih izkaznic

Previous steps

- Creating an account on BIMserver.center
- Installation of the following programmes :
- IFC Builder

https://store.bimserver.center/en/app/1/ifc_builder

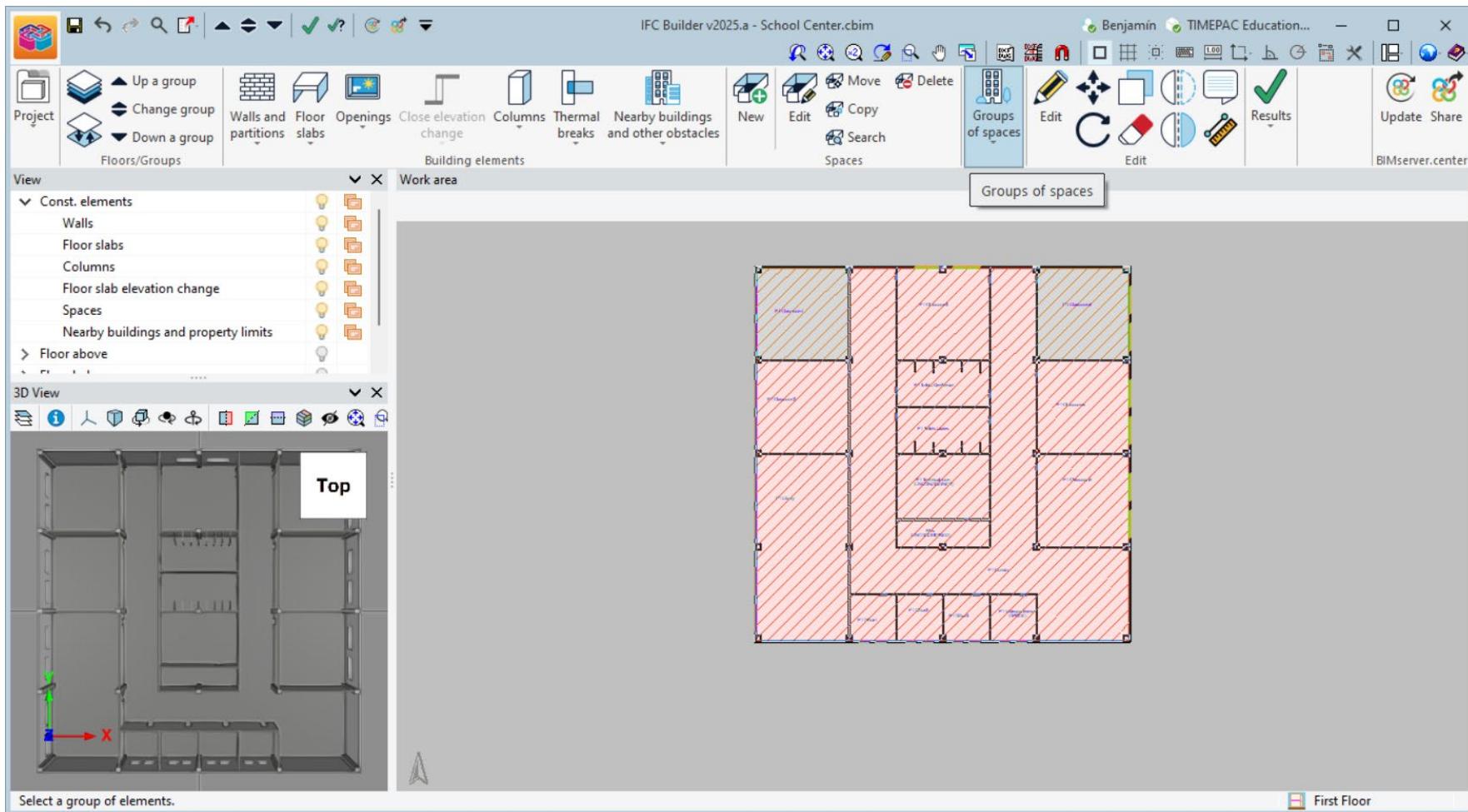
CYPETHERM Eplus

https://store.bimserver.center/en/app/29/cypetherm_eplus

Creating a project in BIM

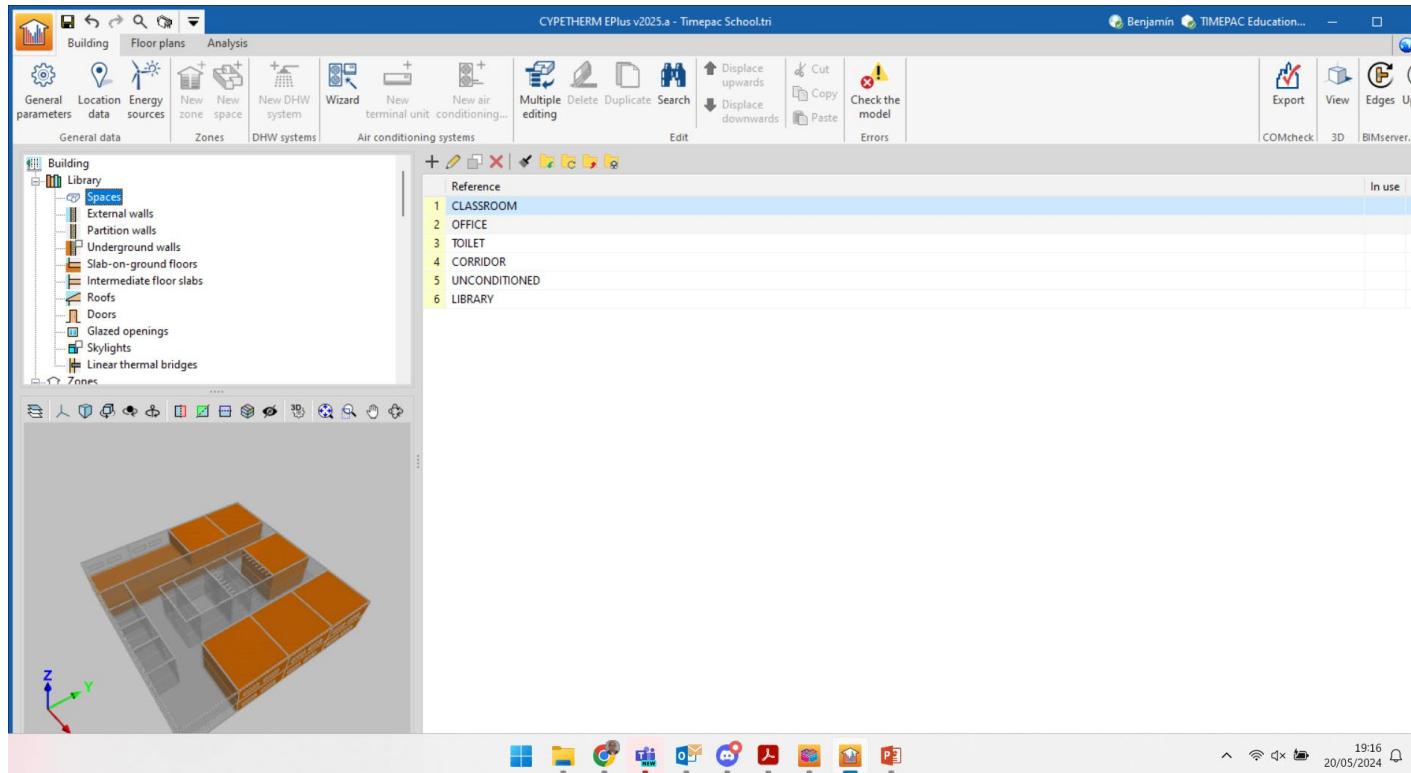


Generation of a BIM model



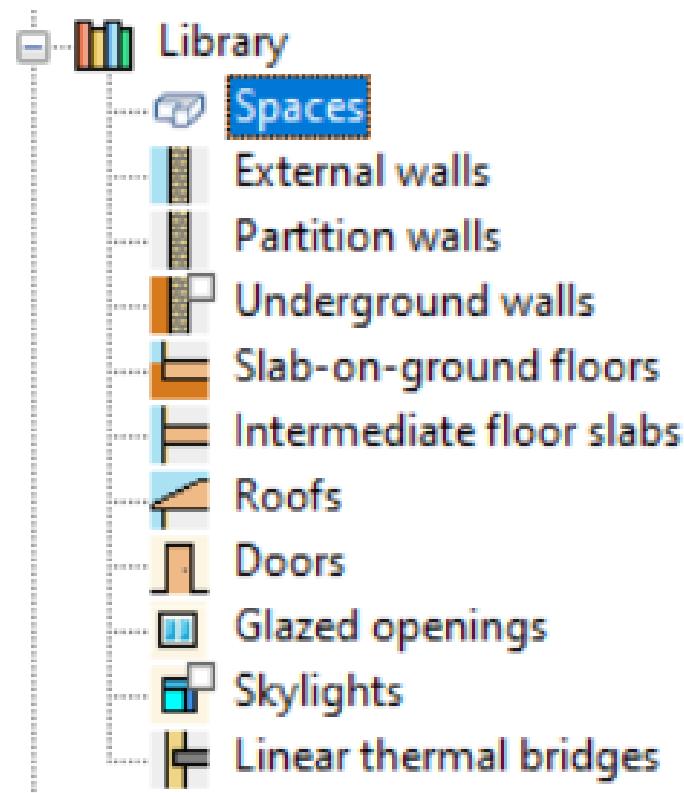
Generation of a thermal BIM model

CYPETHERM EPlus



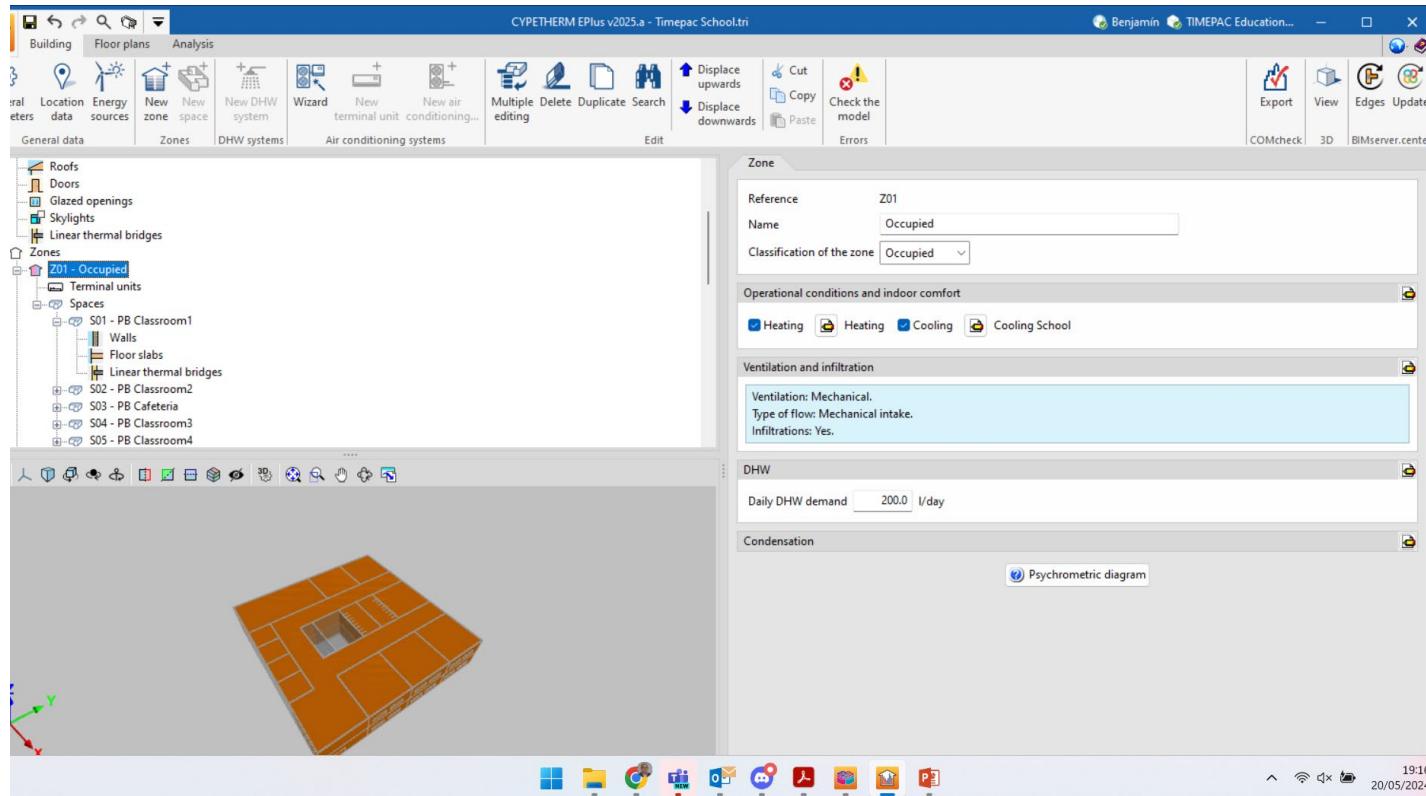
Generation of a thermal BIM model

- Libraries



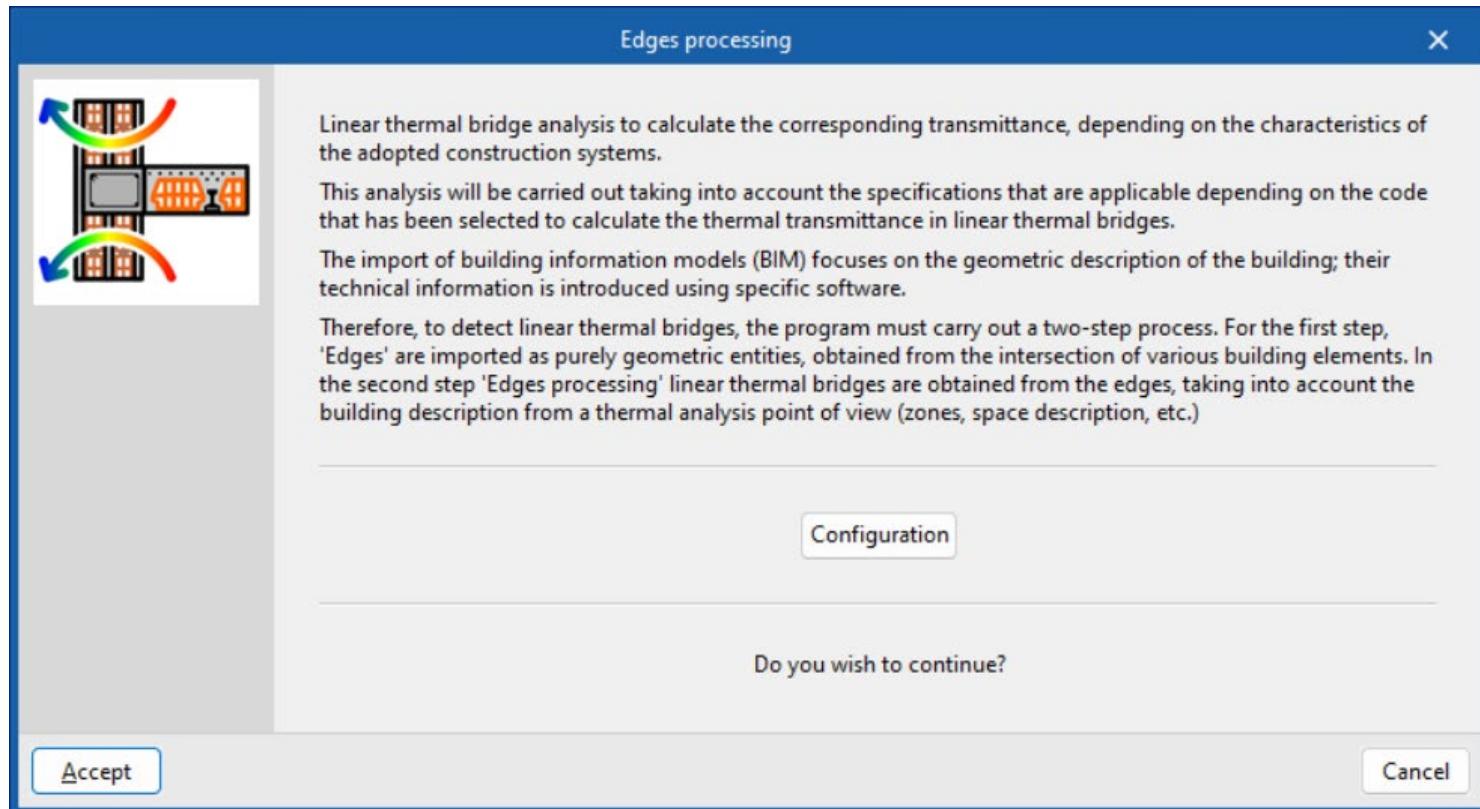
Generation of a thermal BIM model

- Zones



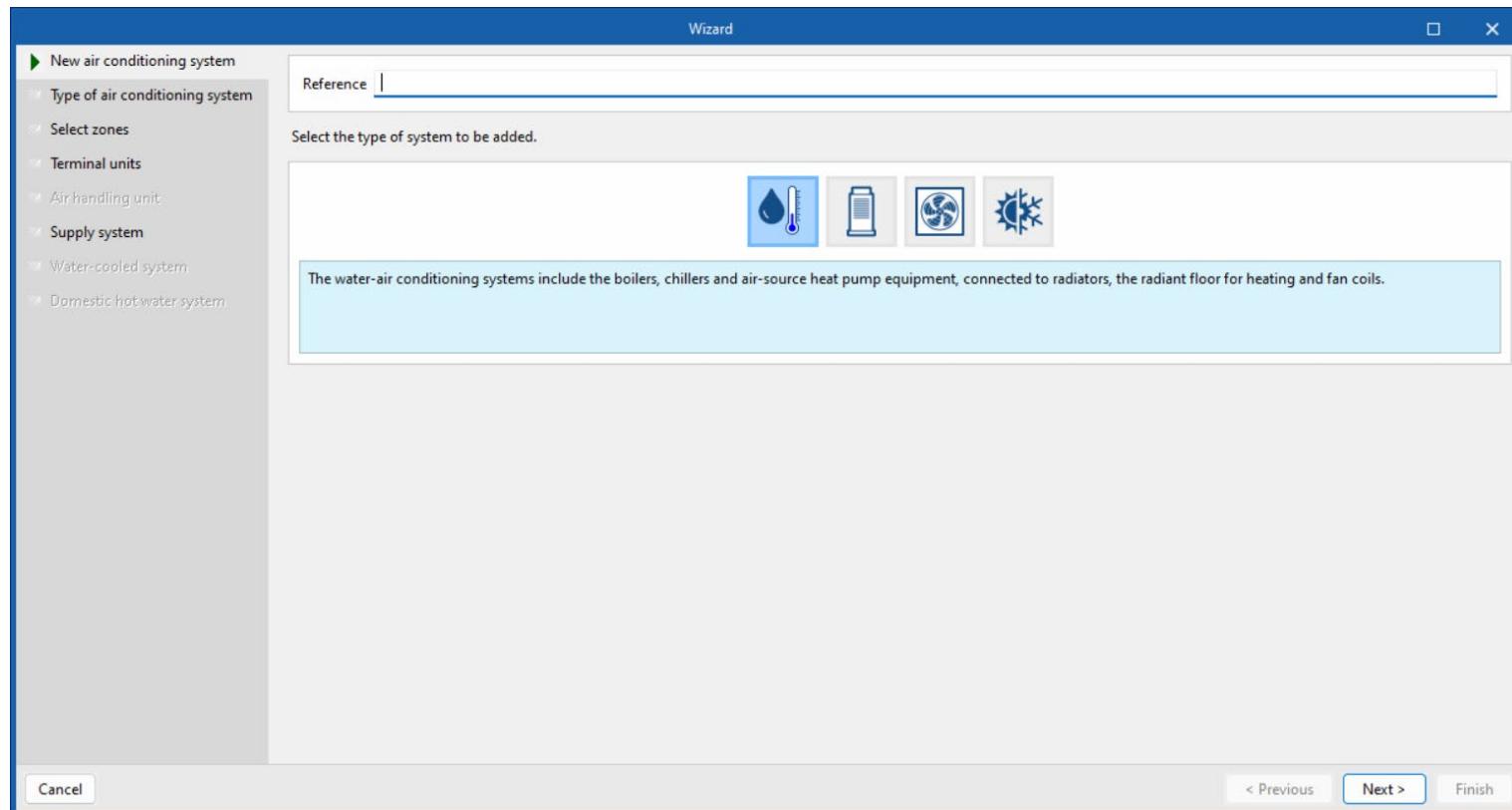
Generation of a thermal BIM model

- Thermal Bridges



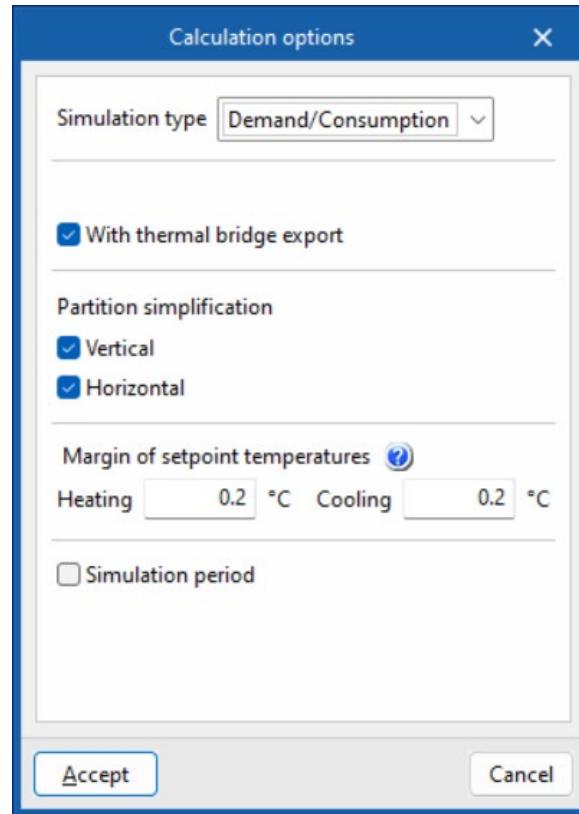
Generation of a thermal BIM model

- Systems



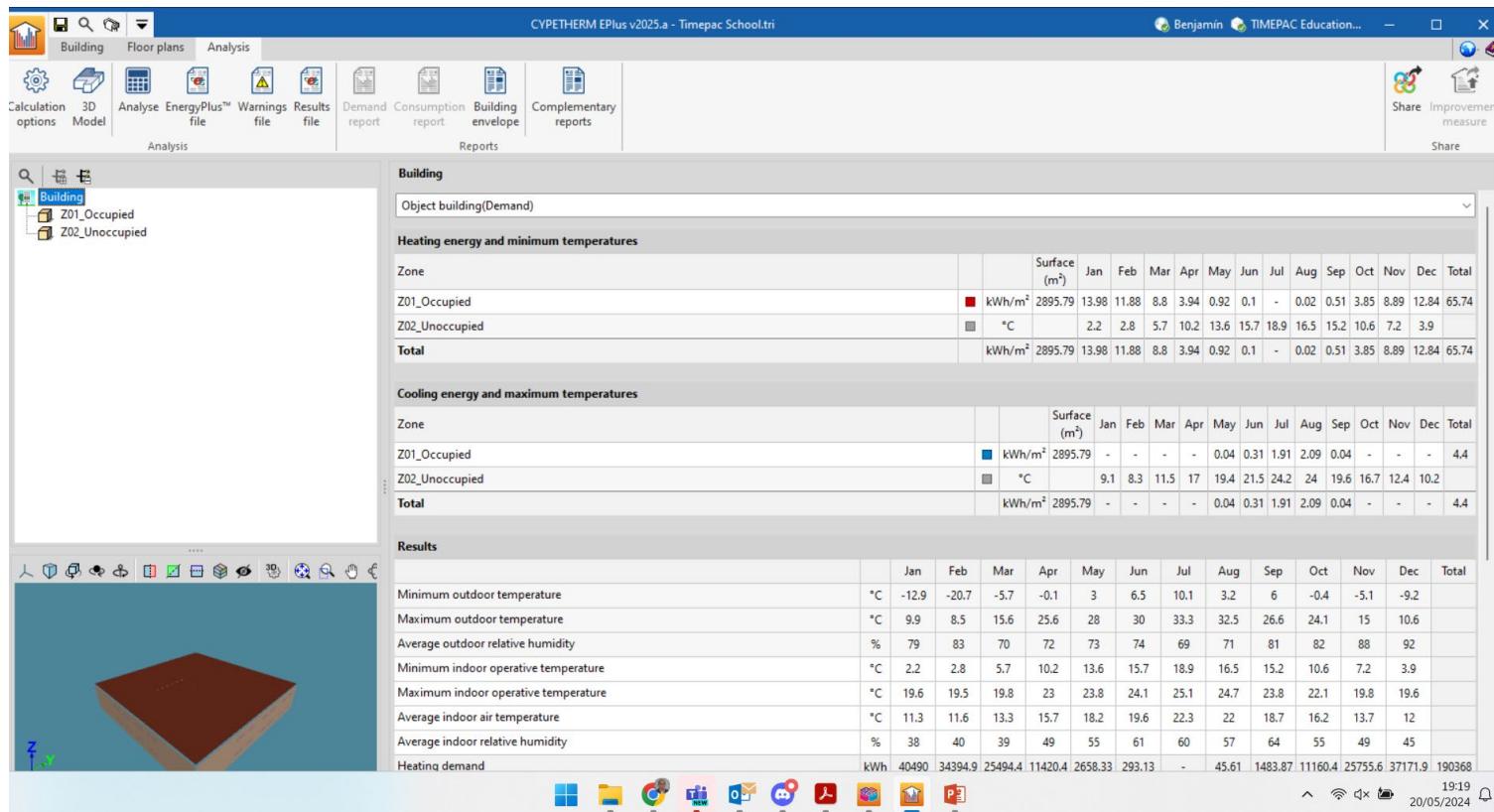
Generation of a thermal BIM model

- Analysis



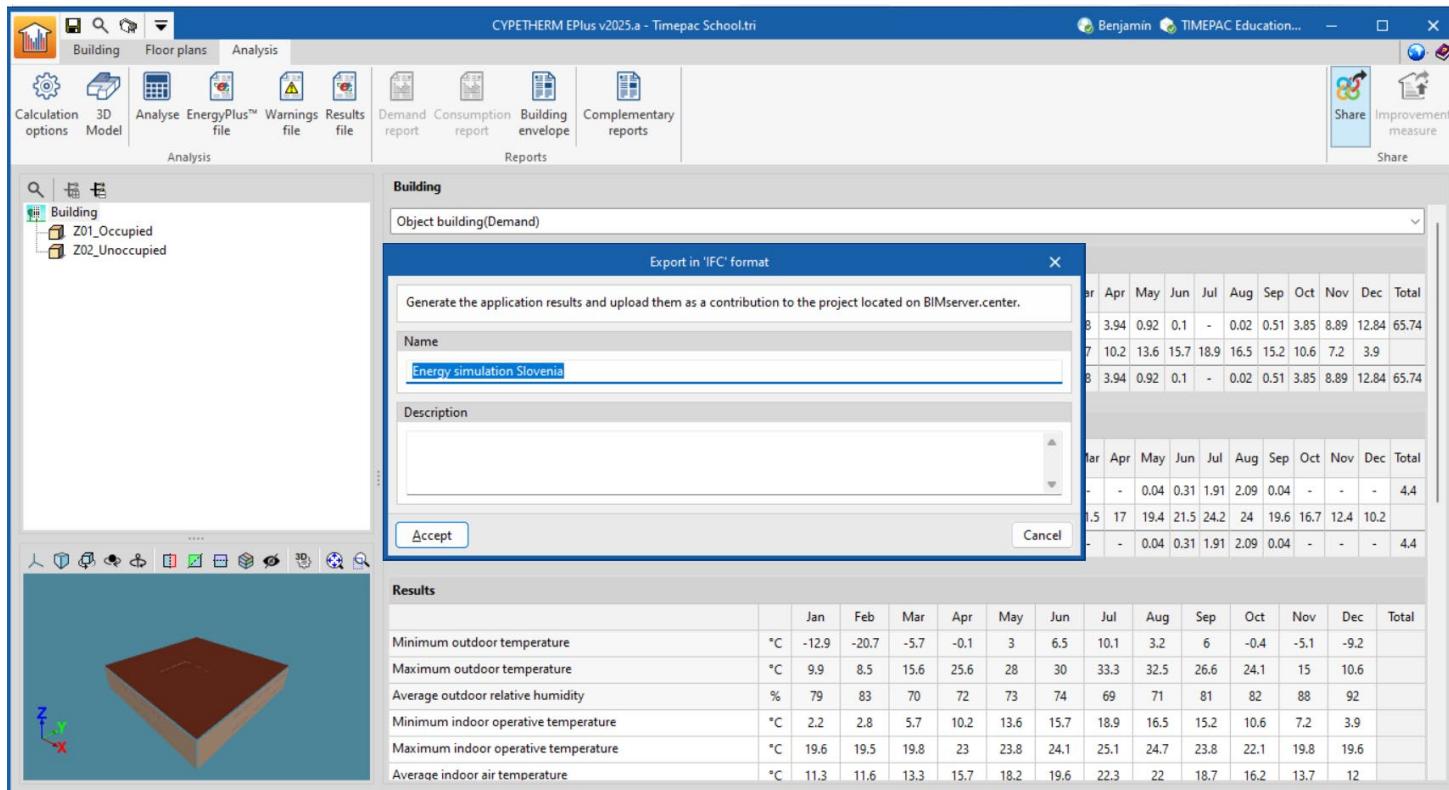
Generation of a thermal BIM model

Results



Generation of a thermal BIM model

- Sharing results in the CDE



Generation of a thermal BIM model

- Visualizar resultados en el CDE

The screenshot shows the BIMserver.center interface for the project "TIMEPAC Education Buildi...". On the left, there is a 3D model of a building with a grey roof and white walls, labeled "3D". Below the model are buttons for "Add collaborator", "Pending to be managed", "Issues" (0), and "Requirements" (0). On the right, there is a table titled "Contributions" with columns: Name, Description, Author, Tags, Last change, and Included files. Two contributions are listed:

Name	Description	Author	Tags	Last change	Included files
Energy simulation Slov...		Benjamín González Cantó	Energy analysis	37 minutes ago	8 (14 MB)
School Center.ifc		Benjamín González Cantó	Architectural design	an hour ago	6 (5 MB)

If you would like more information,
please visit www.timepac.eu or contact us at
benjamin.gonzalez@cype.com

Thanks for your attention!

