Project pilot

The exemple of the swimming pool of Dijon

- First meeting with the owner, december 2017 :

The bim-coach explains the project BIMplement, and collect these informations

What is important :

This owner hat a lot of renovations projects in the town of Dijon

His strategical interest is the improvement of the small and medium sized enterprises who works for her.

He understands the definitiv evolution of the building industry in the BIM process

He wants integrate better the BIM process with this project, and be aware to the use of BIM for facility management.

- The architect provide her to realize this swimming pool with the use of BIM models

- The team of architect and the engineer produce two bim models

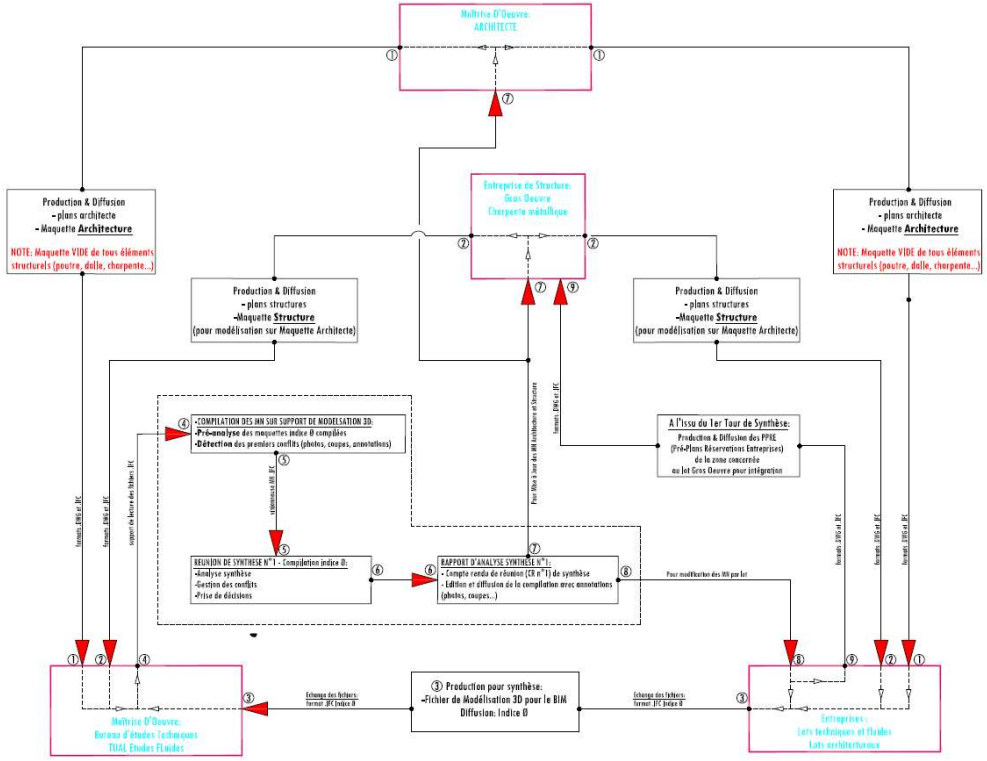
  An architectural model
  An MEP model

- Some enterprise have to produce their own model (most of them don’t create themselves these models but outsource this work)

- Second meeting with the project management with all the different enterprises on the site

  January 2018 :

  It was the first meeting for the presentation of the BIM methodology



First presentation by the BIMcoach of the project BIMplement to all the actors of the building constructions.

There is about twenty building companies but only some of them concern directly with the production of a BIM model

- lot N° 02 Terrassement VRD (Aller, Gaudry, Duc et Preneuf) :
- lot N° 03 Fondation, gros œuvre, charpente métallique (Curot, Brisar Dampierre) :
- lot N° 04 Couverture étanchéité (SMAC) :
- lot N° 07 Métallerie Serrurerie (Alkimia) :
- lot N° 09 Plafonds suspendus (Bonglet, SDP) :
- lot N° 10 Plafonds tendus (ACS production) :
- lot N° 13 Carrelage (Vinet, Del Toso) :
- lot N° 14 Bassins inox couverture thermique (BC Inoxeo) :
- lot N° 15 Bassins inox revêtu (Myrthapools) :
- lot N° 16 Pentagliss (Altrex) :
- lot N° 18 PB CH TA TE (Engie, Axima, Aquatech, Boeuf) :
- lot N° 19 Electricité courants forts et courants faibles (SA Relec) :
- lot N° 20 Ascenseur (Koné) :

- Third meeting with the owner, the project management and five enterprises who have to realize a BIM model
  februar 2018 :

We discuss to implement the different training with four of the enterprises.

I explain the methodology.

We have a meeting in the beginning of the construction to define the first trainings

(we have later a meeting with the other enterprises)

Some example to understand what we have to explain for this sort of training :

3 - **Use BIM in the workplace**
Target group : white and blue collar workers

Objective : Give the participants the practical know-how to understand and use, with a tablet, the BIM model for their works.

Duration : 0,5 day

Place : the workplace.

Content : (more details to come) :
What is BIM
The use of a viewer with a tablet
The use of a 4D planning

1. it is the use of the existant BIM Model to understand the project.

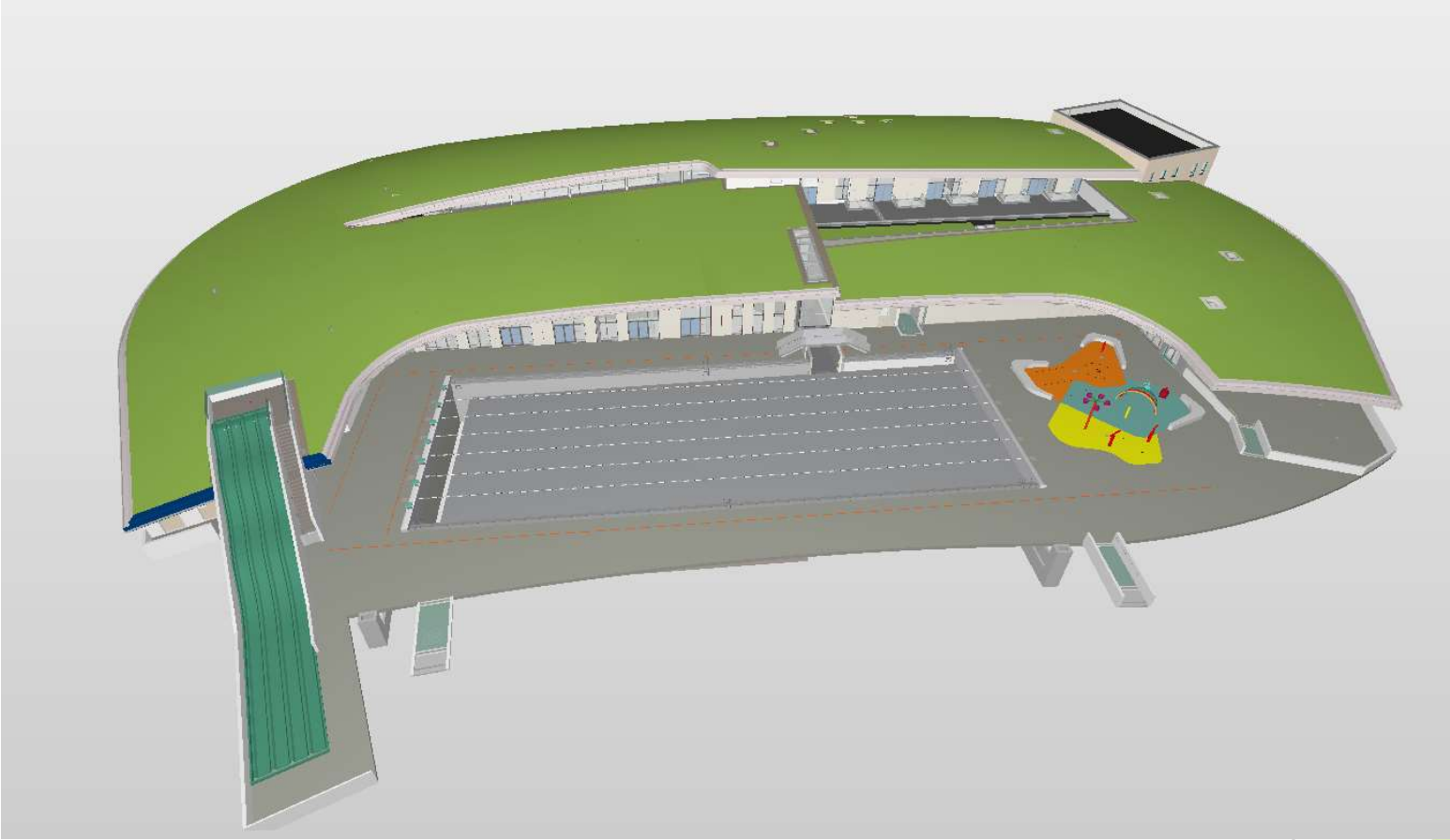
2. the possibility to use the BIM model to implement the different MEP circuit and the verification on the site

3. The planning of the building construction with the BIM Model

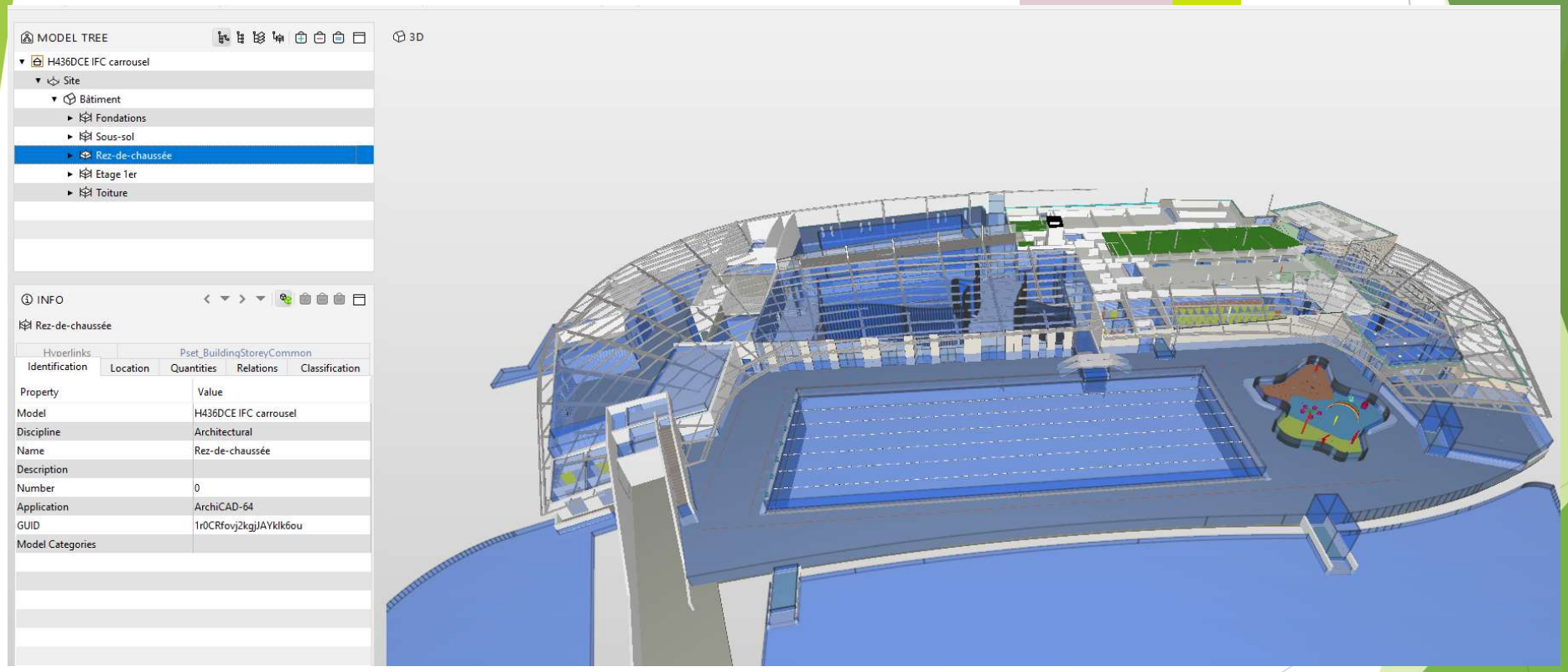
4. All the informations a blue-collar worker needs for his work :
notes, documents ..

5. A proposition to communicate from blue-collar workers to white collar workers with the uses of the notes in a model.

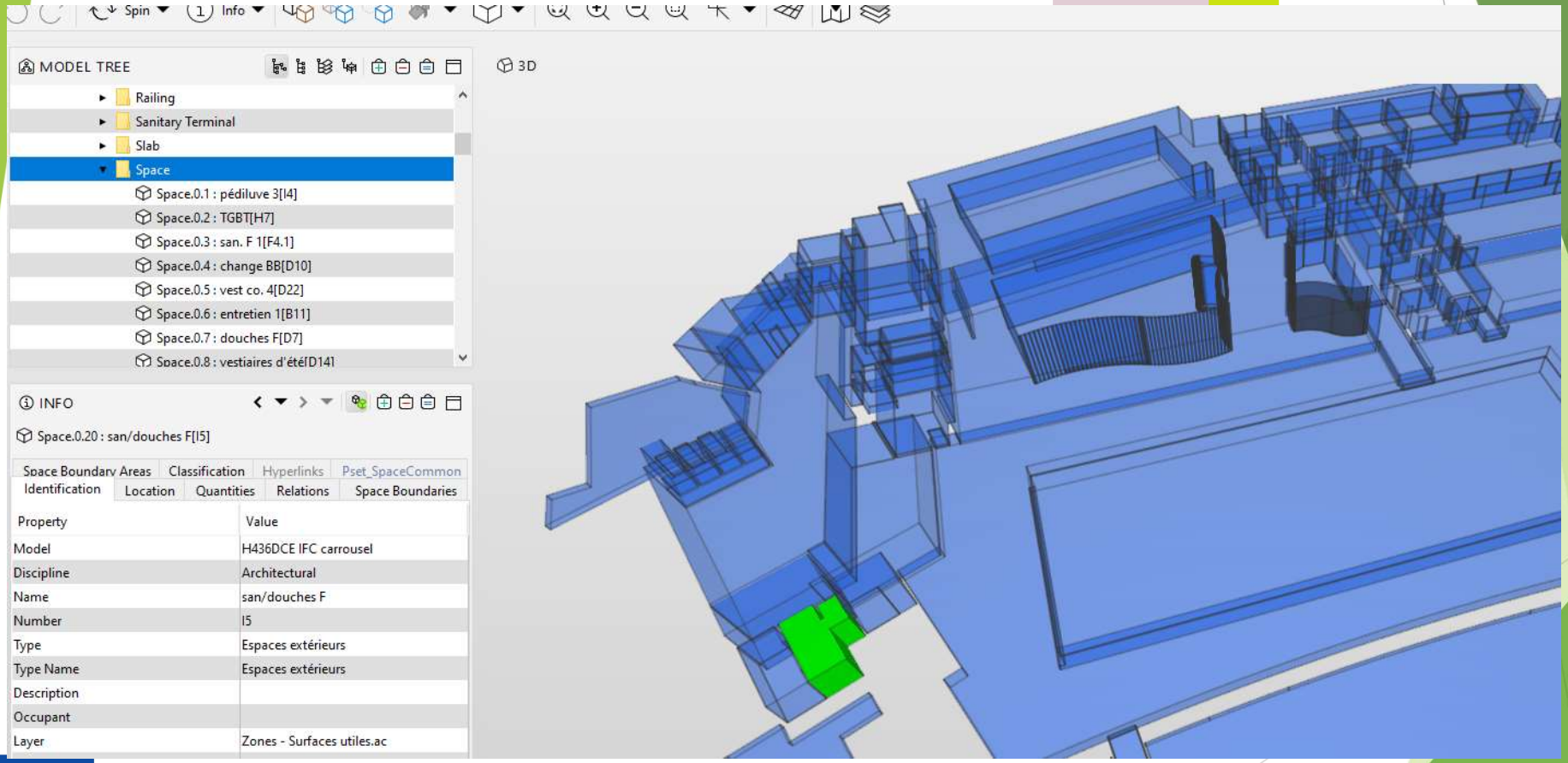
First part is the use of the existant BIM Model to understand the project.



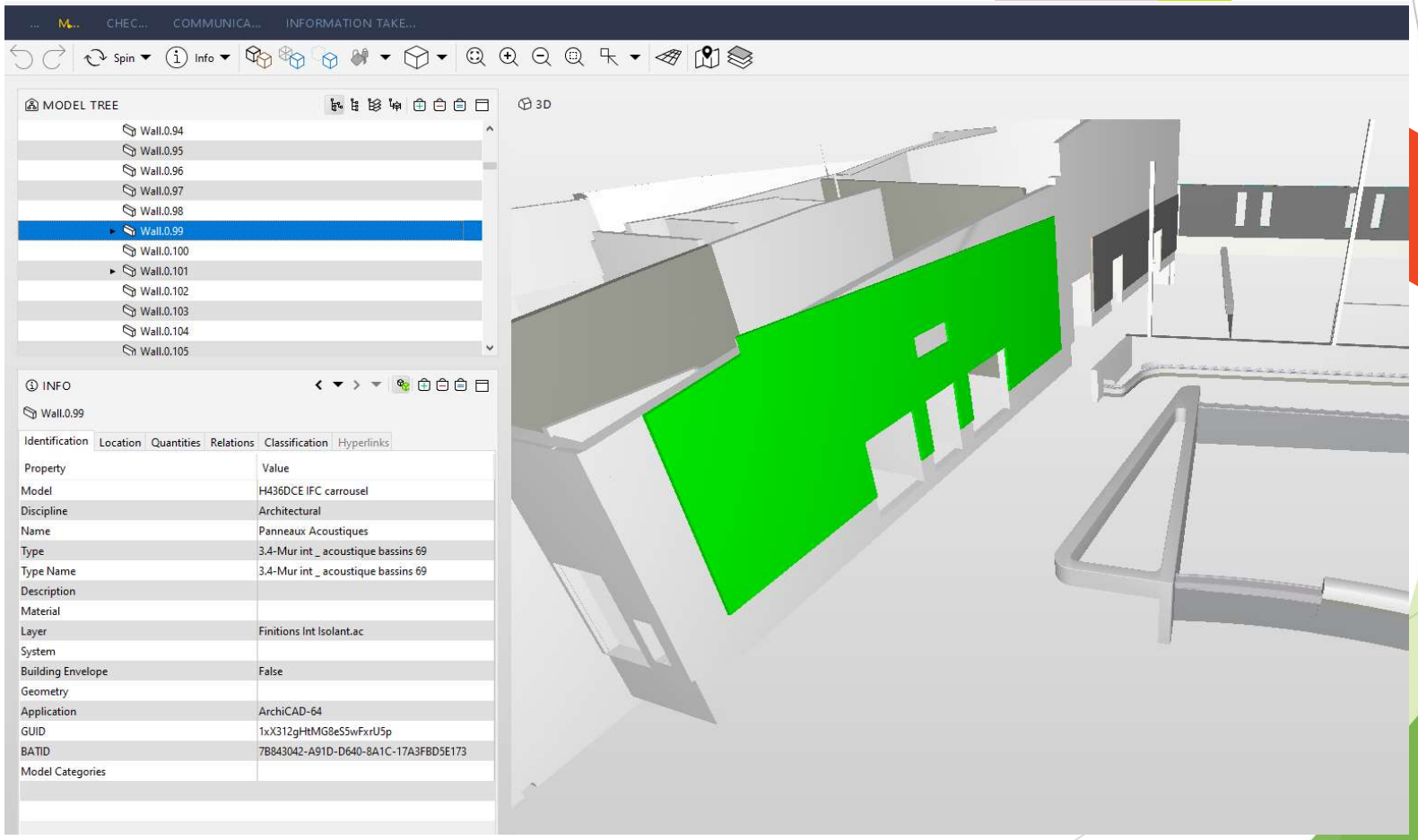
1. Understand each floor of the project



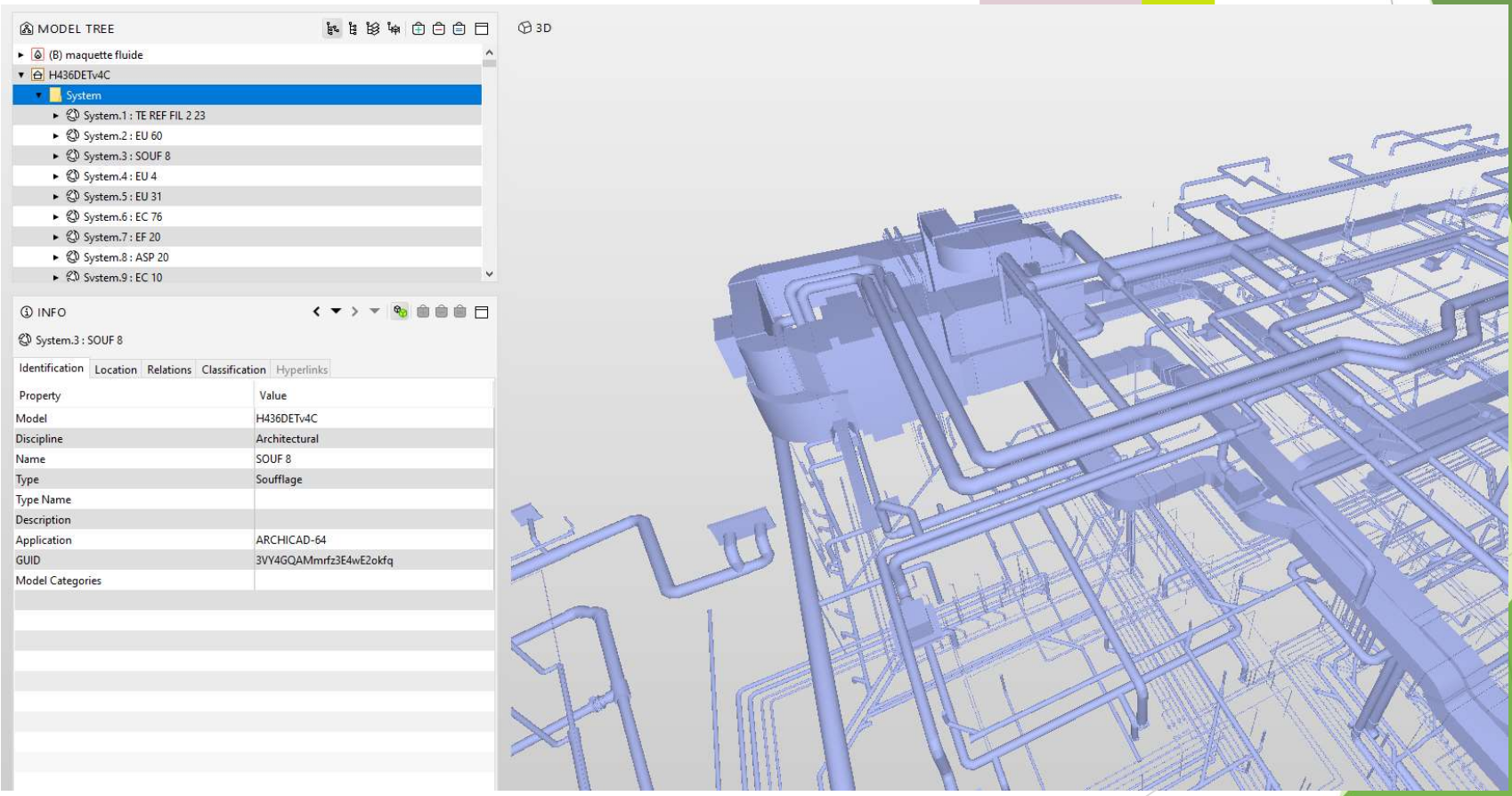
2. Understand where is a space in the project



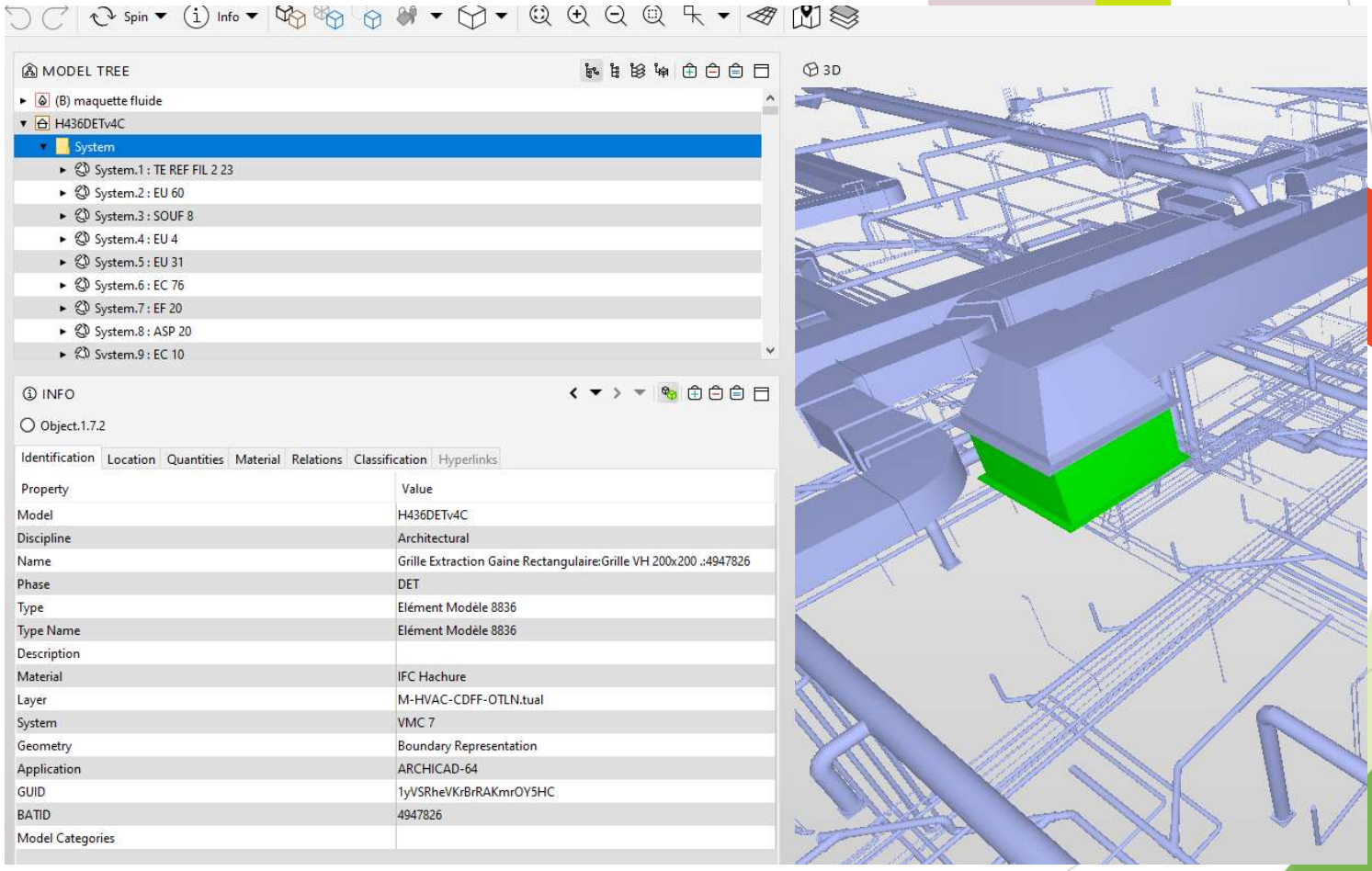
3. Understand which is the wall with an acoustic insulation ……



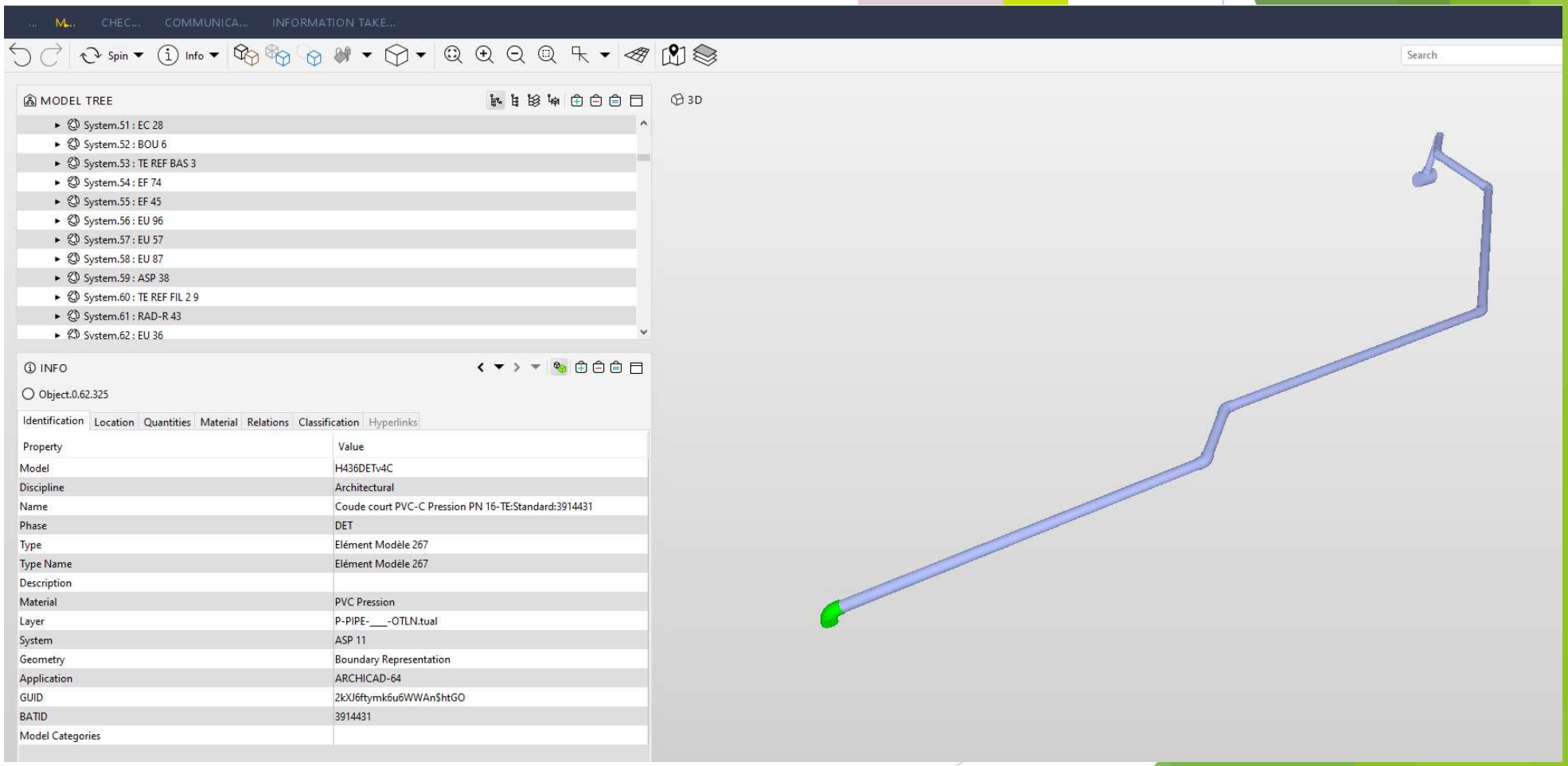
4. Understand the complete MEP model……



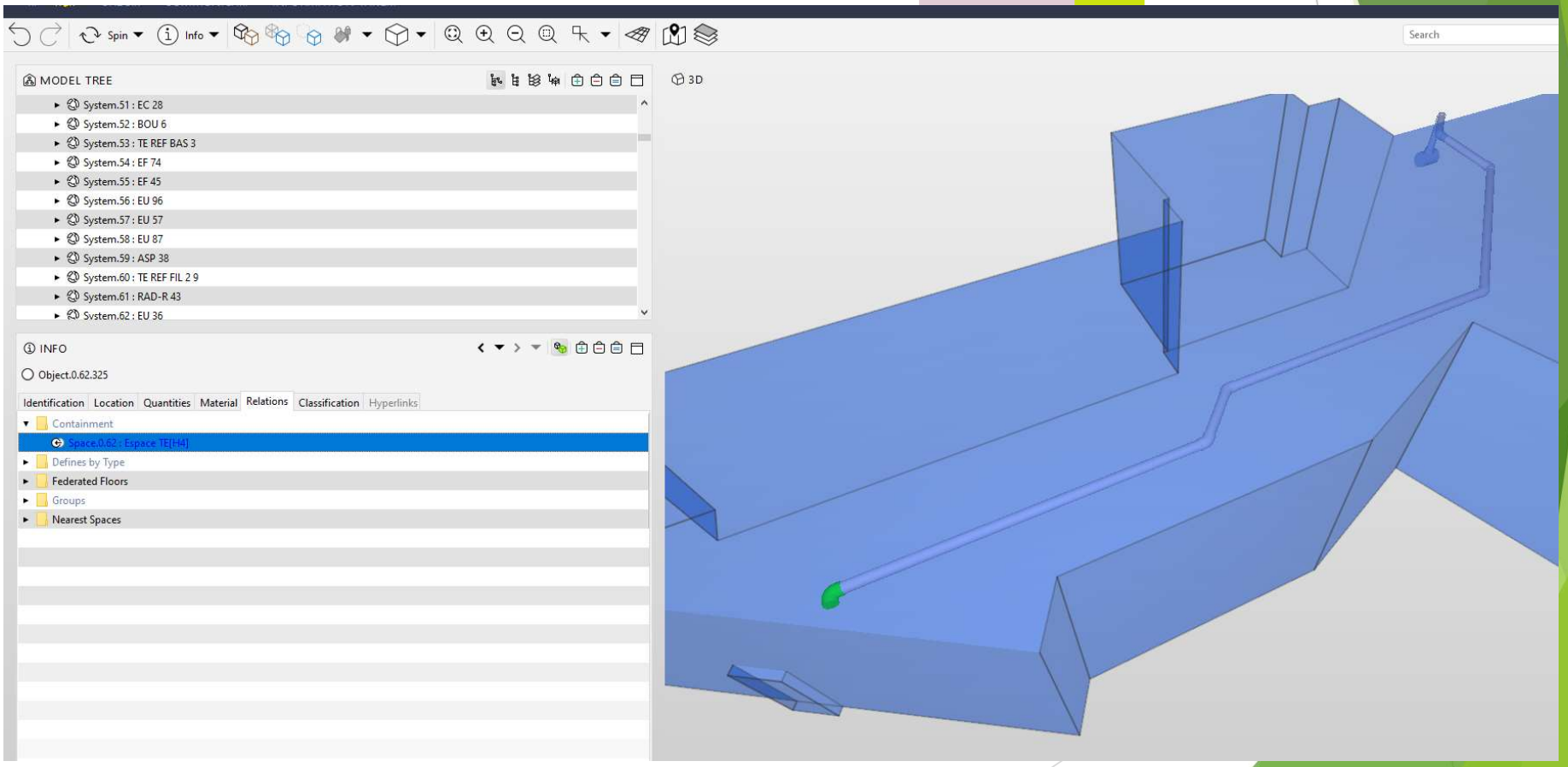
5. Know to search information for an object……



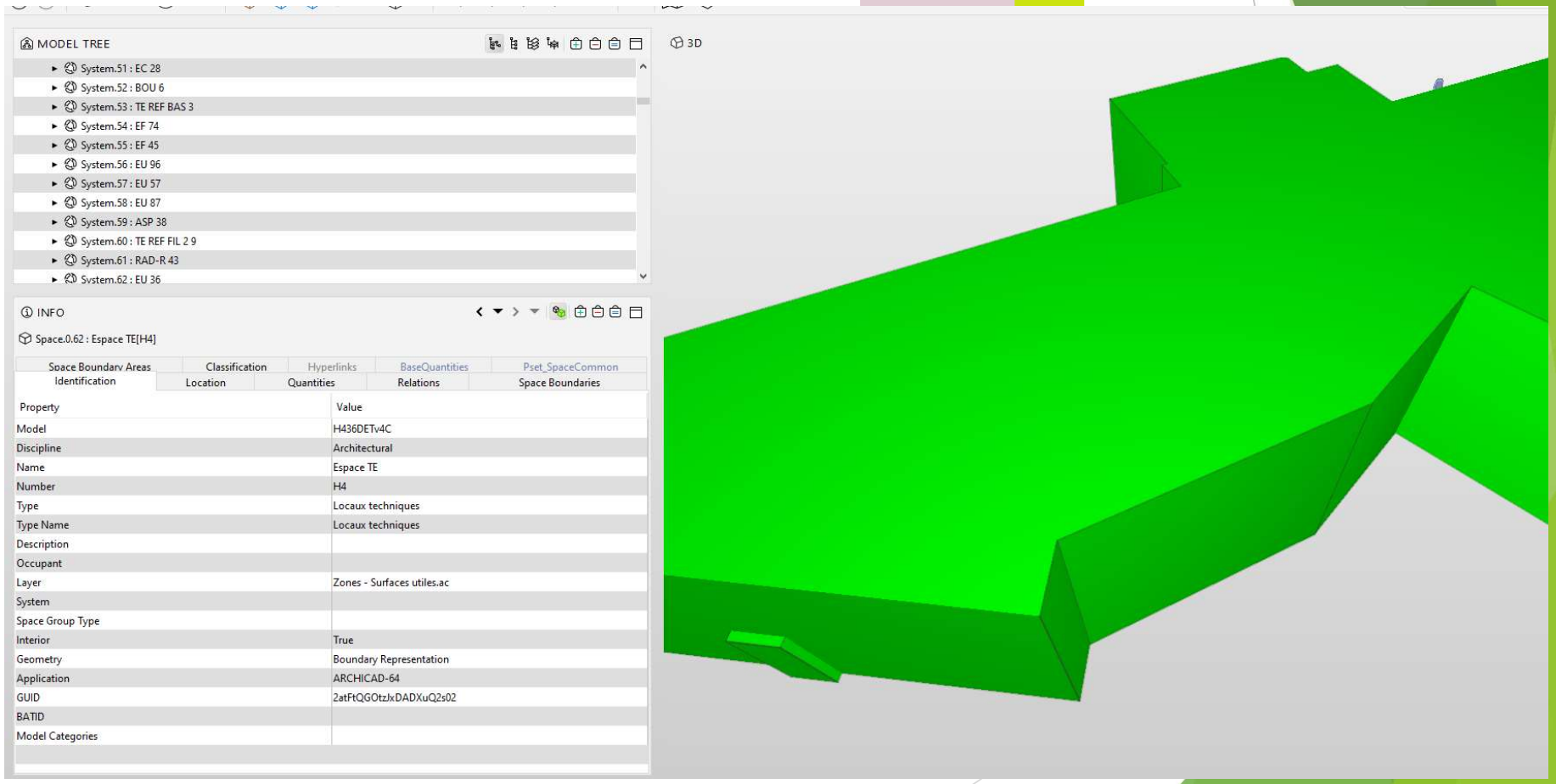
6. Understand a part of a MEP circuit ……Prefabrication ?



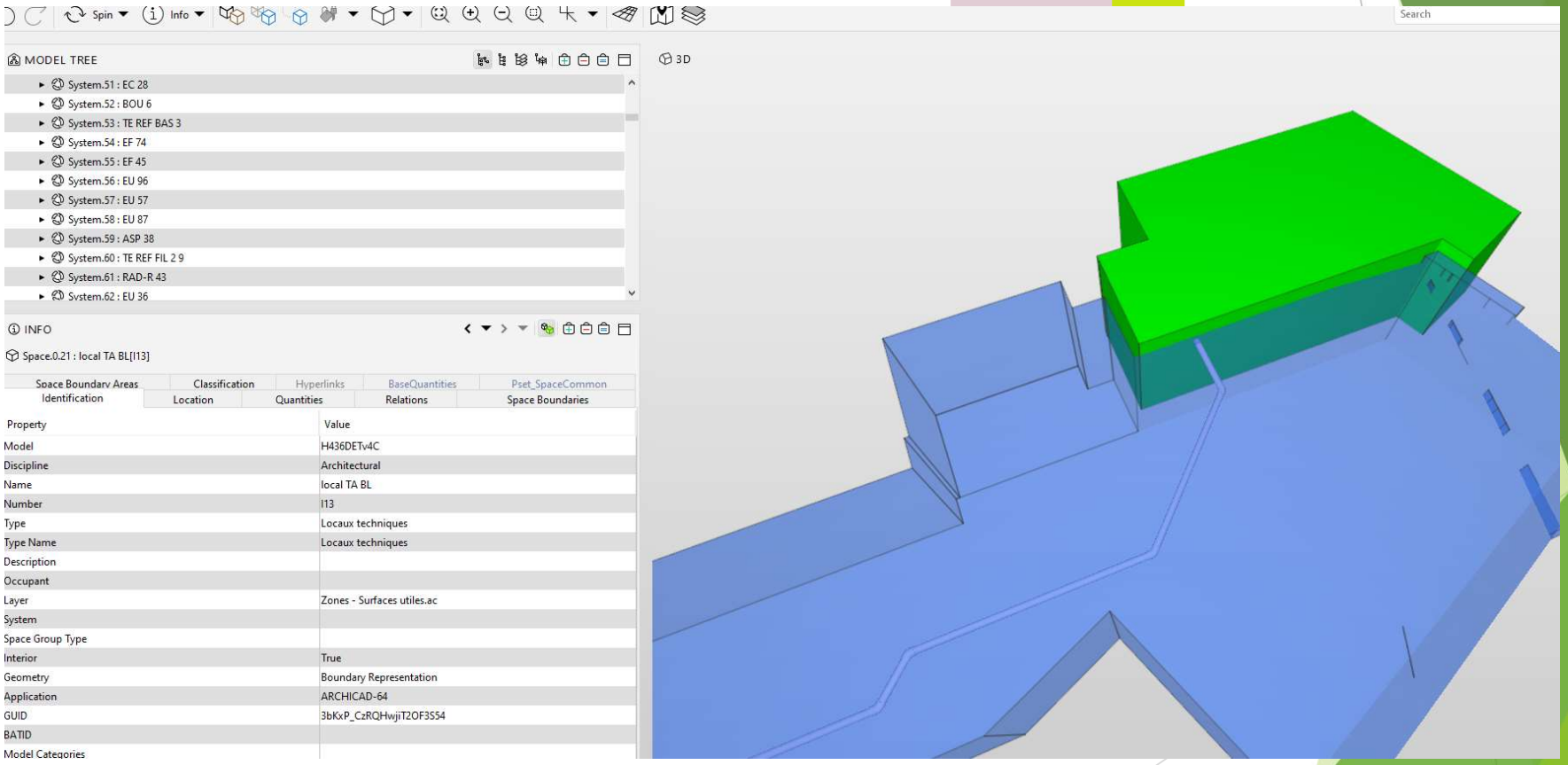
7. Understand a part of a MEP circuit
In which space ?



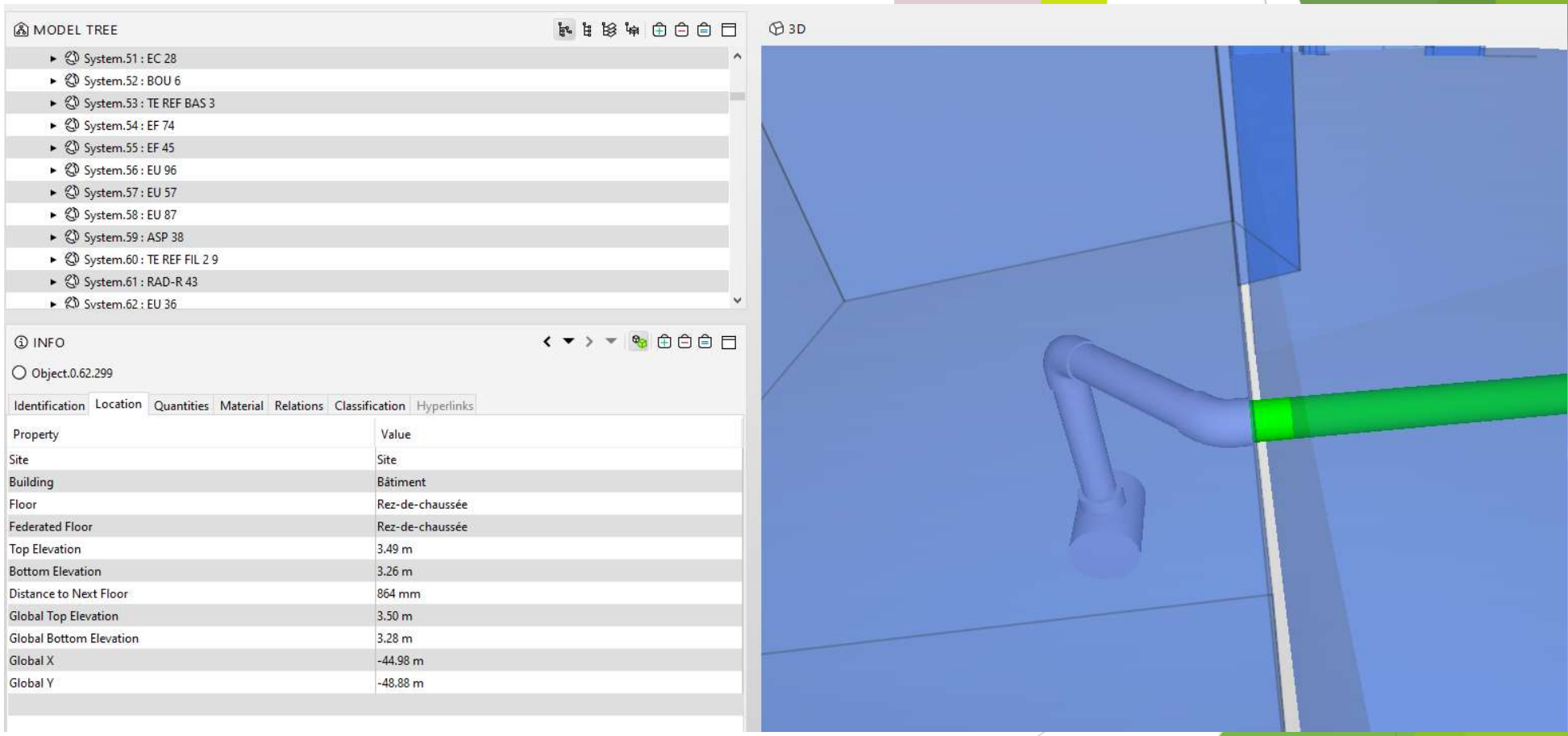
8. Understand a part of a MEP circuit
In which space ?



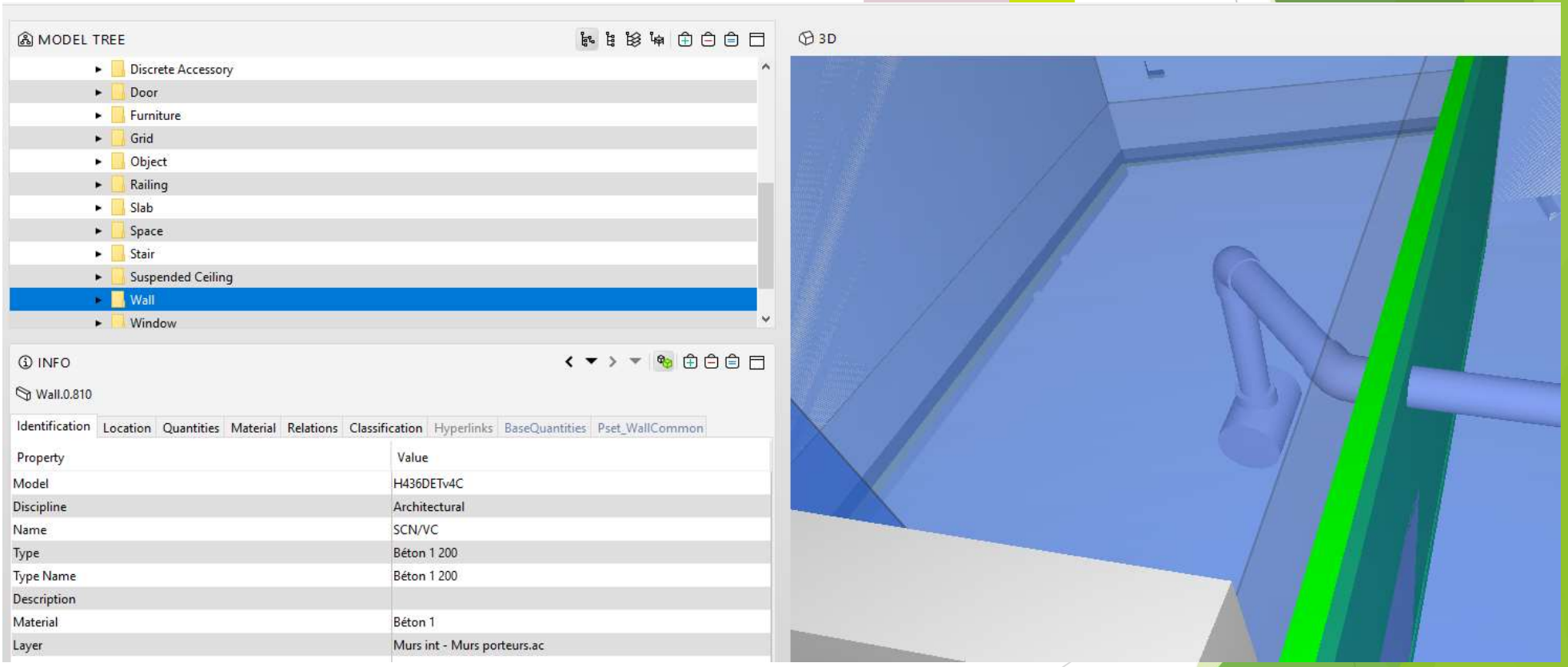
9. Understand a part of a MEP circuit
To an other space ?



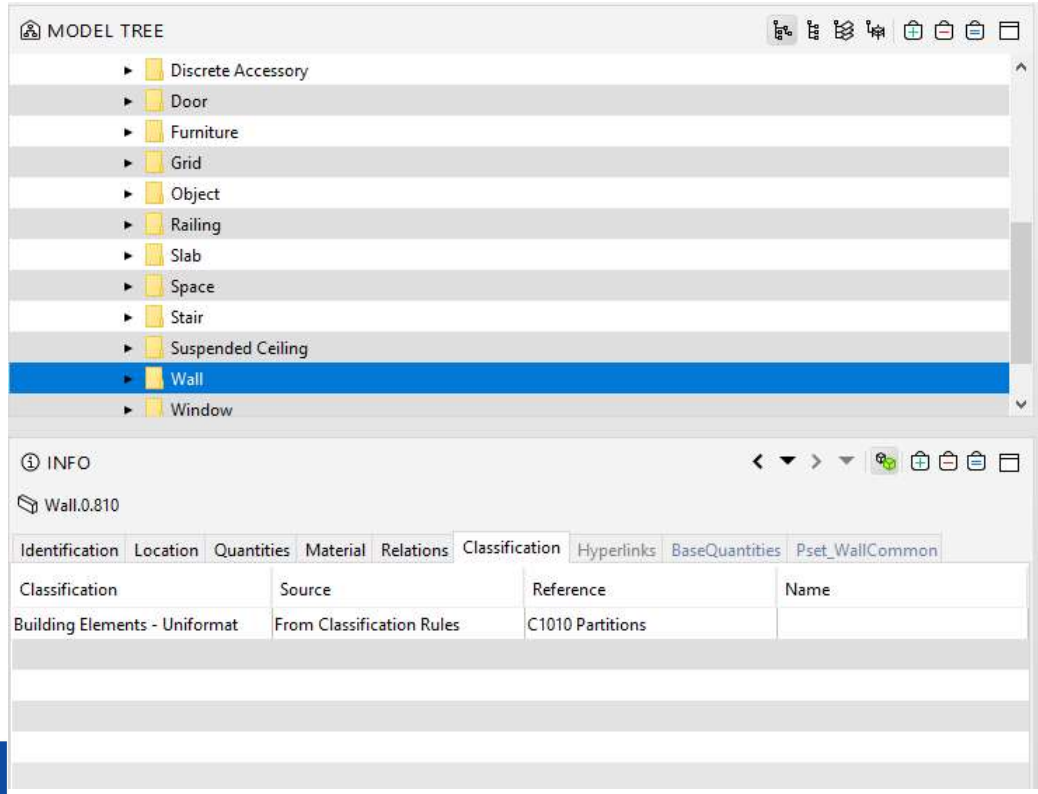
10. Understand a part of a MEP circuit
Cross which wall ?

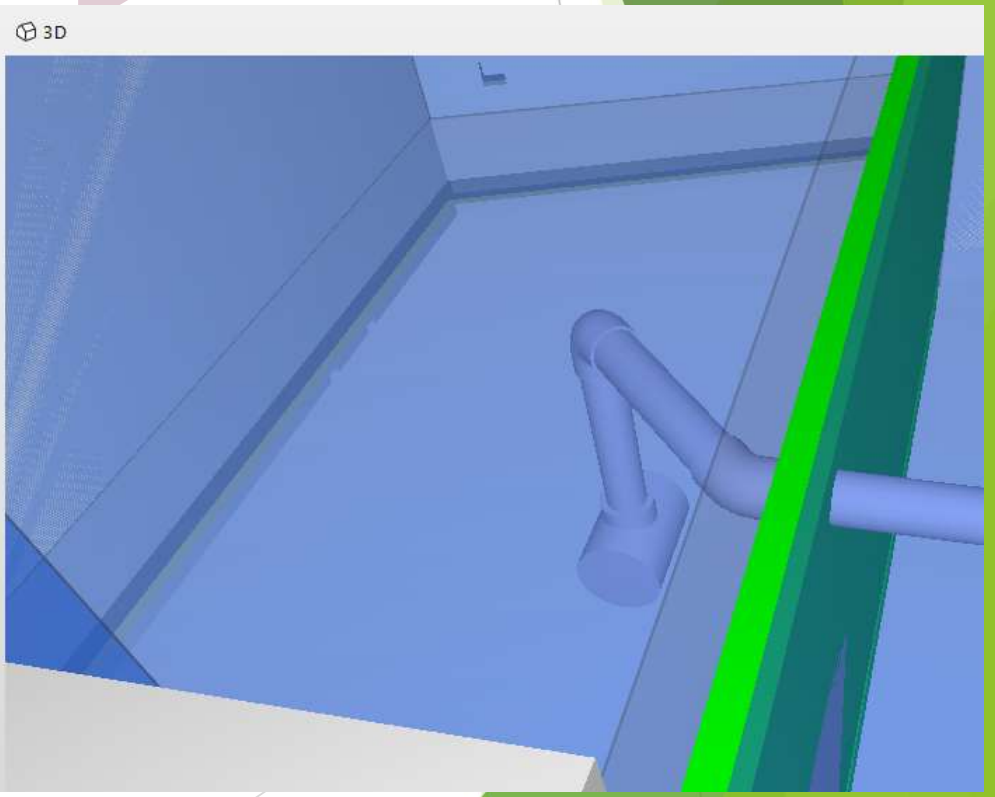


11. Understand a part of a MEP circuit
Cross which wall ?



12. Understand a part of a MEP circuit
What is the classification of this wall and what are the consequencies ?





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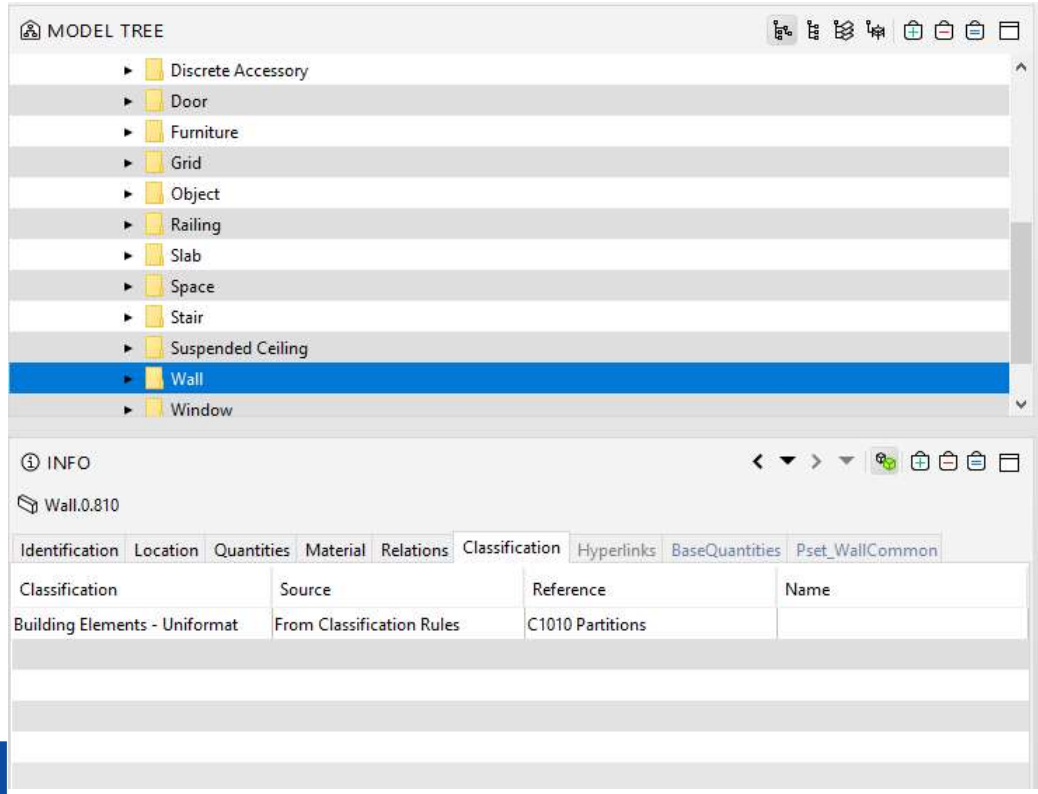

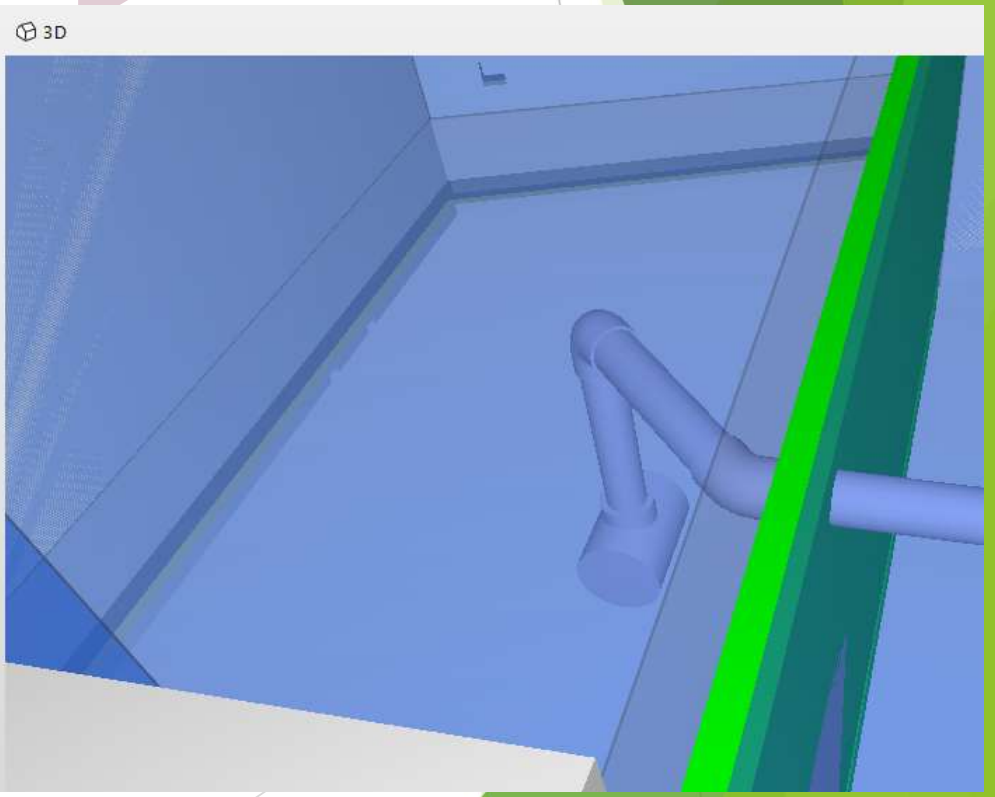

Part two : the possibility to use the BIM model to implement the differents MEP circuits

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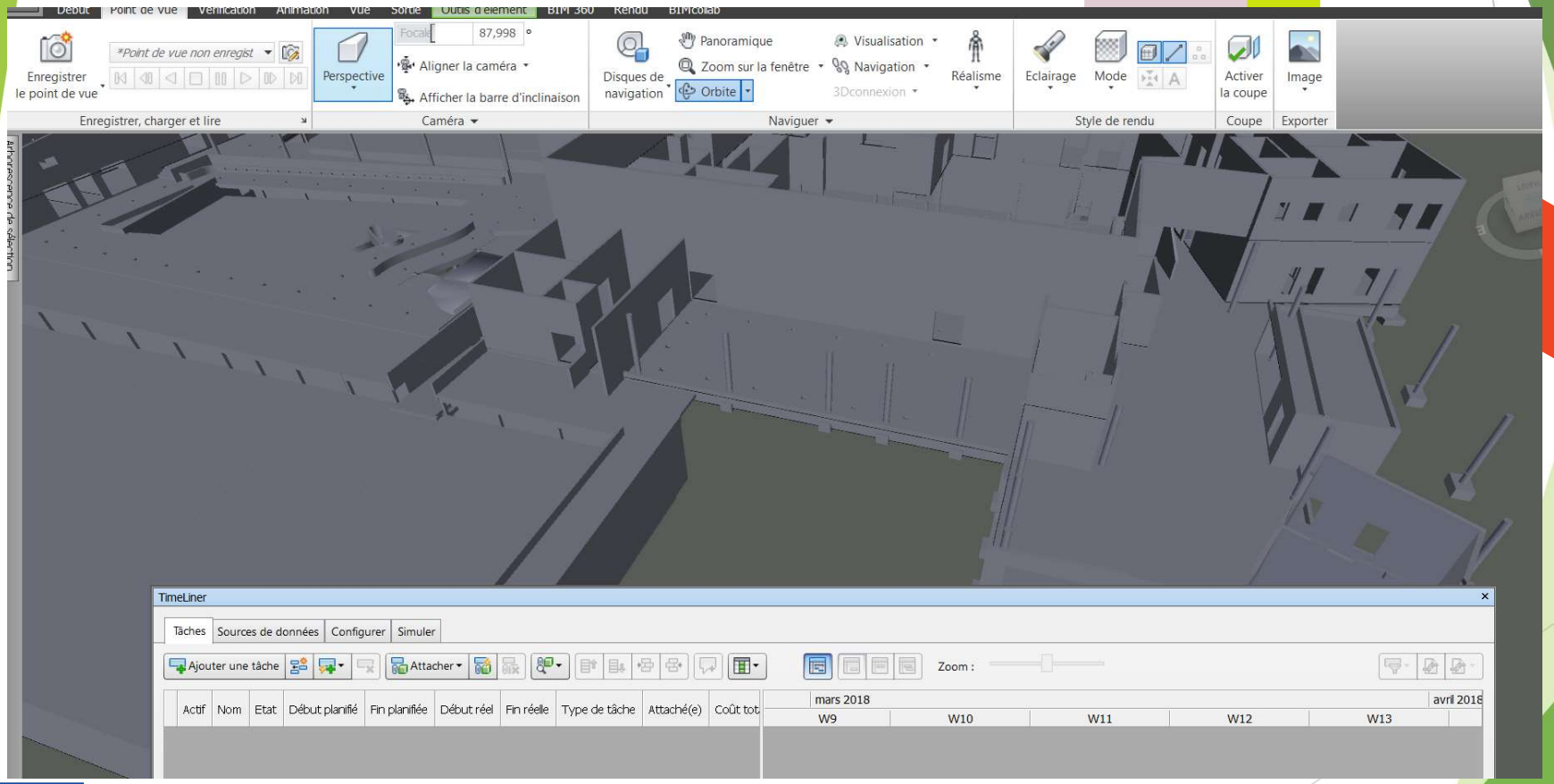
Part three : The planning of the building construction with the BIM Model



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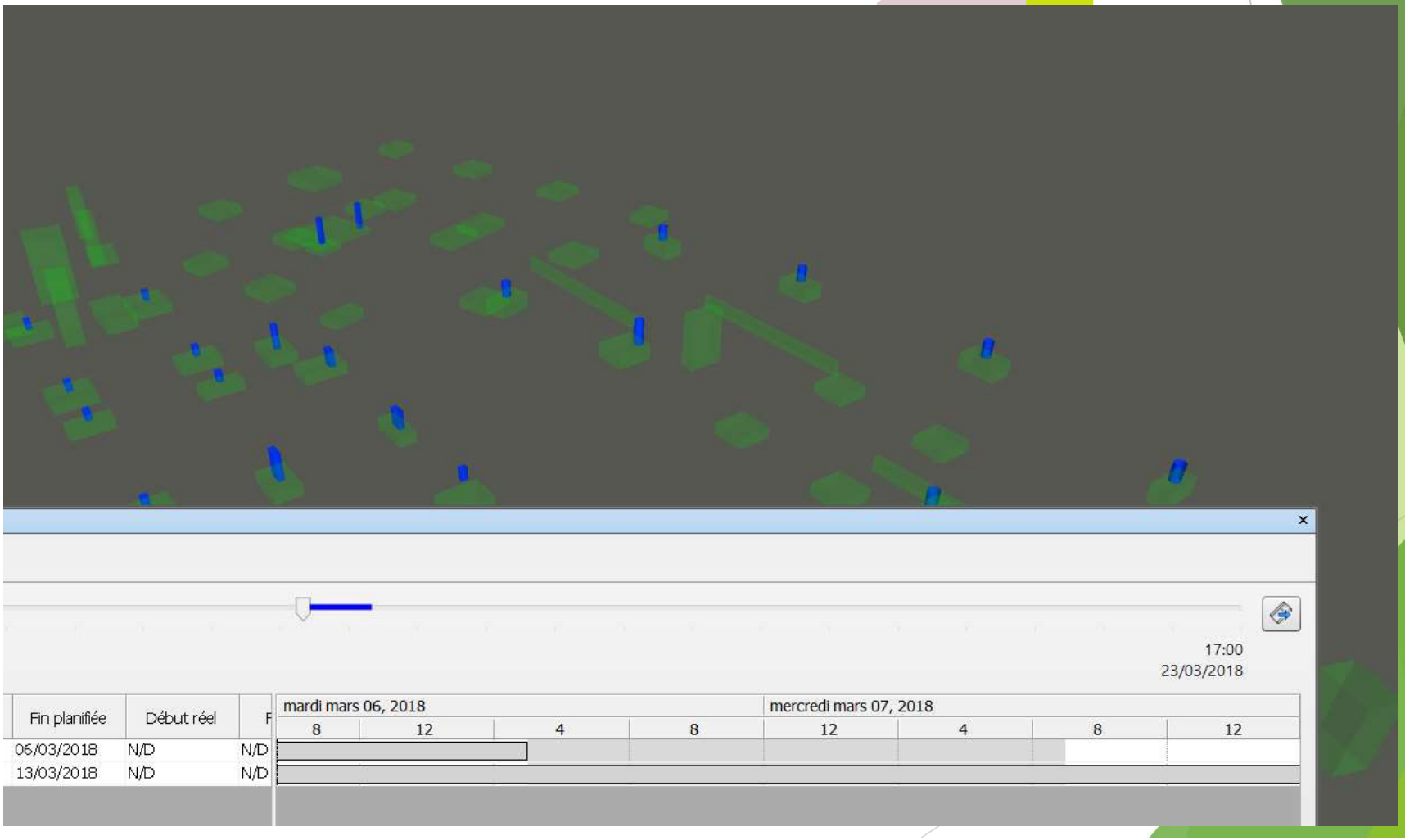
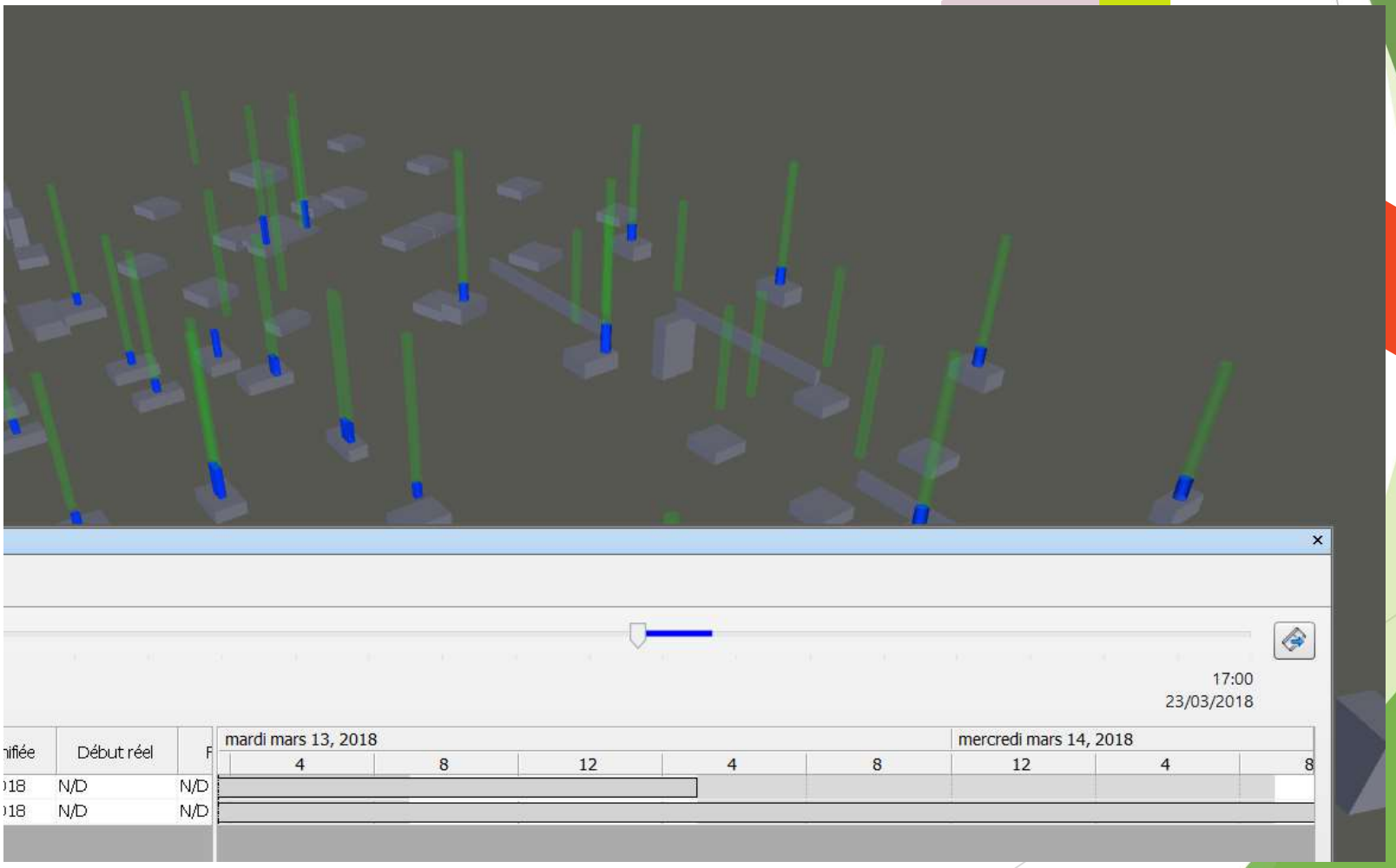
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