

BIM Aarhus Netværksmøde | Highlights Let's Rethink How We Do MEP Routings in Revit

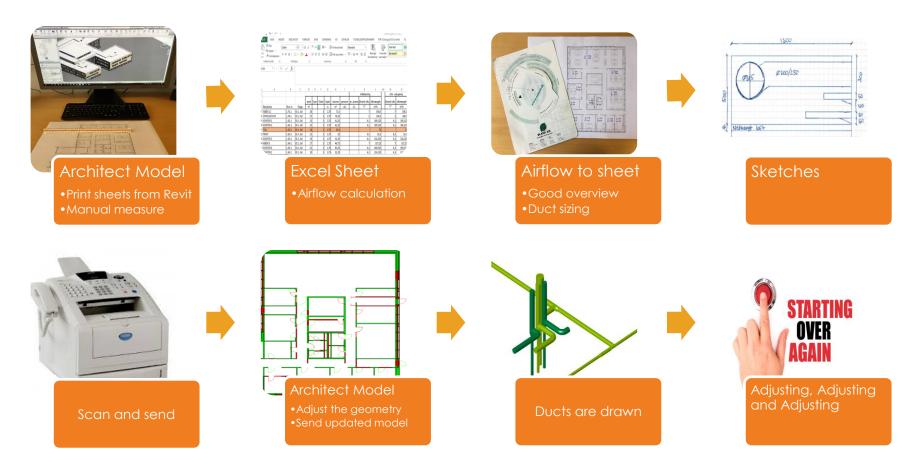
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How do you plan your MEP routings in Revit

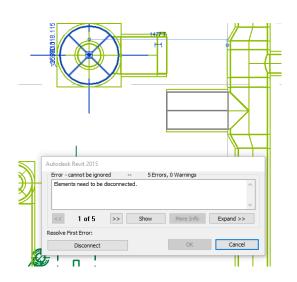
- Use "Heating and Cooling Loads" function in Revit?
- Excel Sheet for calculating airflow?
- Where does the data in the Excel Sheet come from?
- How do you choose the size of a duct?
- In the design process, how do you reserve space for shafts and routings?
- How do you explain to other project members how the routings are planned?

The traditional way to plan MEP routings



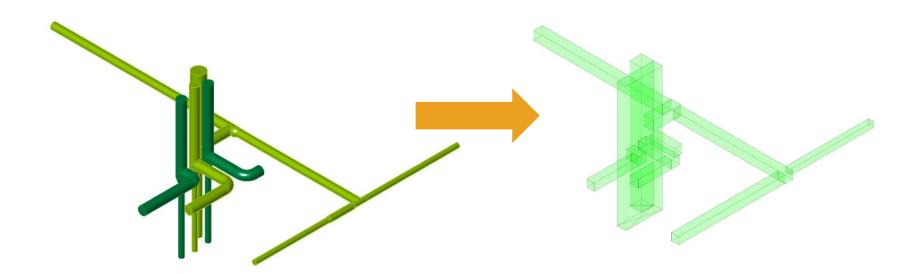
This is not a BIM process

- Data in the model is not used
- Air flow not in Revit
- The sketches are not visible in the model
- Disconnection problems



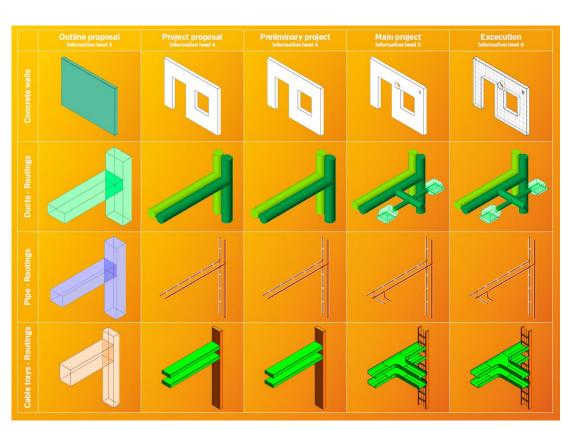
Generic Routing

Ducts Generic Routings

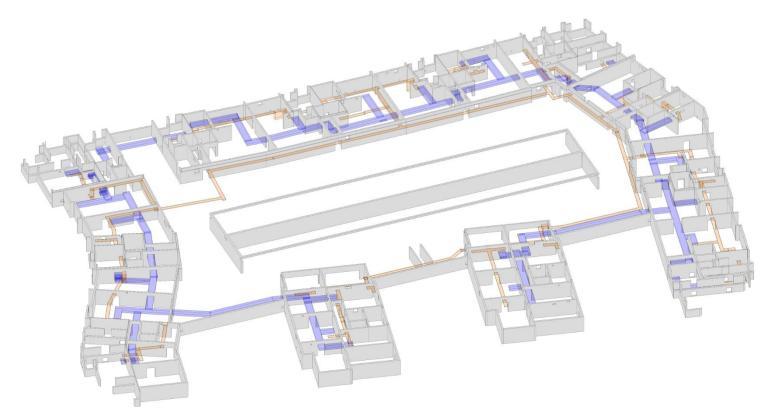


Generic Routing

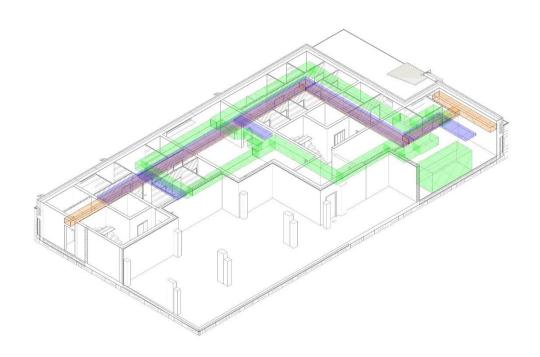
 Level of information and project phase



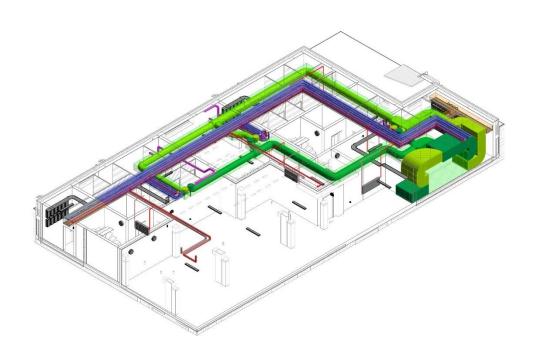
Generic Routing – Example



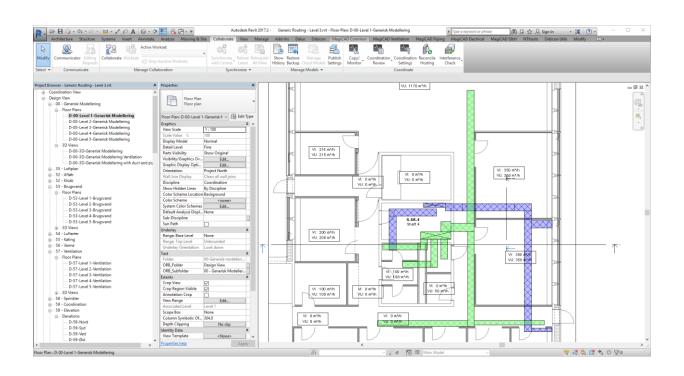
Generic Routing - Example



Generic Routing - Example



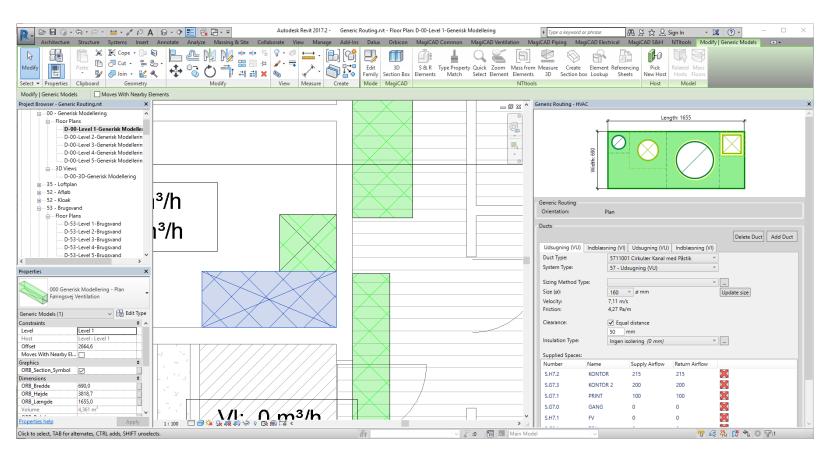
Revit – Live demo



Why I think this make sense

- Flexible in the early design phase, you want get disconnection errors.
- You can build in clearance around your duct, pipes and cable trays.
- You can do a Interference Check
- Easy for everyone to see the planned routings

Generic Routing add-in for Revit



Value to your BIM process?

- Do you think it make sense?
- Do you think this is the right way to go in the early project phases?