

Revit 101

Architecture + Design Perspective

#CETDesignerUC

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Progressive AE



My Revit Story



What is Revit?

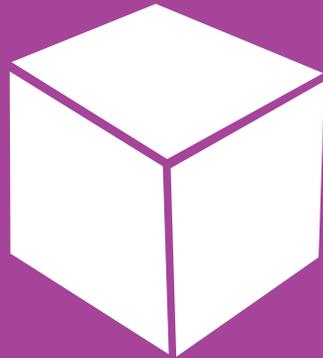
Revit is a type of BIM or Building Information Modelling software.

Revit combines...



2D

+



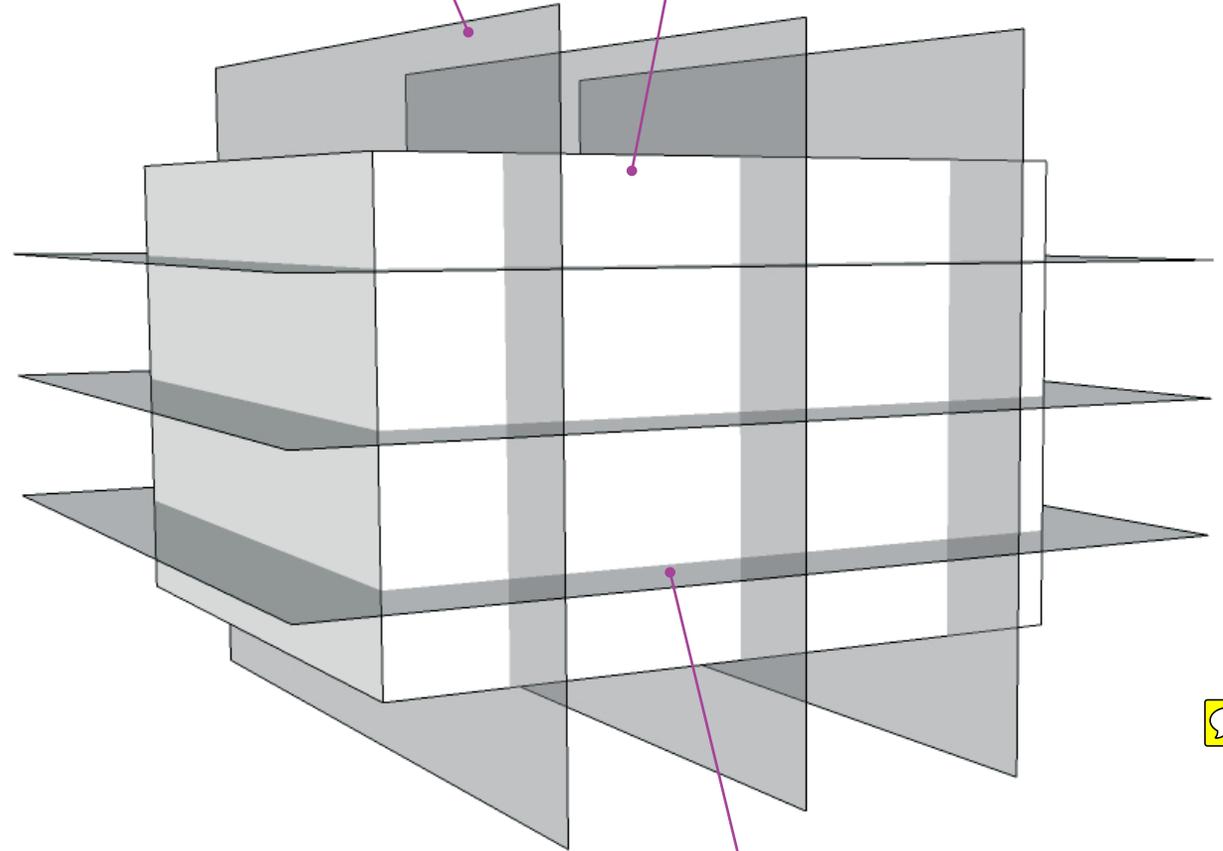
3D

into 1 model

This model allows horizontal and vertical "slices" to be created to view different real-time views of the model.

Views: Elevations and Sections
(this could also refer to column grids or reference planes)

BIM (Building Information Model)



Views: Floor Plans and Reflected Ceiling Plans
(this could also refer to levels or reference planes)



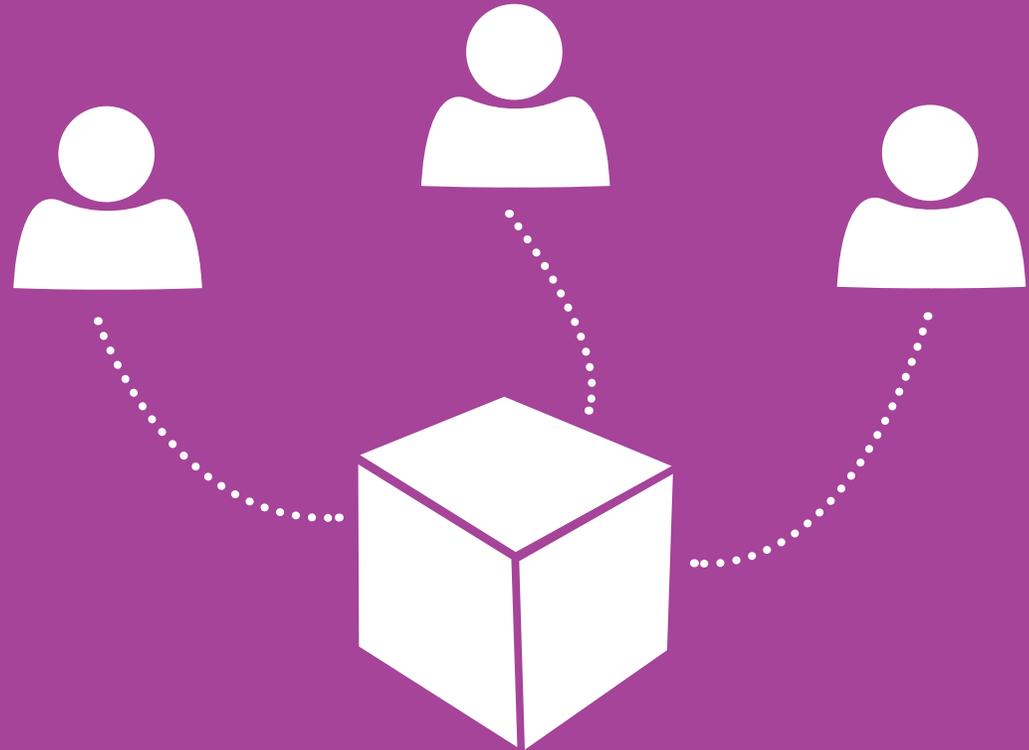
Revit adds intelligence to...

roofs, floors, walls, windows,
doors, furniture, casework,
equipment, etc...



Revit allows...

multiple users
to work
simultaneously
in one model.



Program Comparison

	Revit	CET Designer	Sketchup
Programming	●	●	●
Cost Estimating	●	●	●
Furniture Specifications	●	●	●
3D Visualization	●	●	●
Construction Documentation	●	●	●
Furniture Installation Drawings	●	●	●

Legend

- Program highly suited for task
- Program not ideal for this task

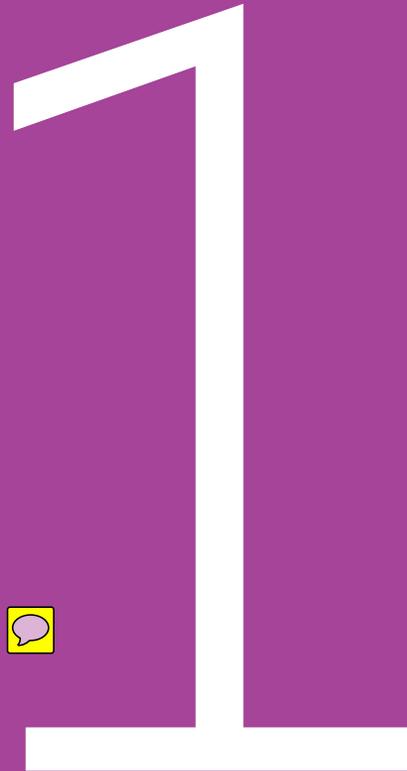


Revit key strengths...

1. Programming
2. Construction Documentation
3. 3D Visualization

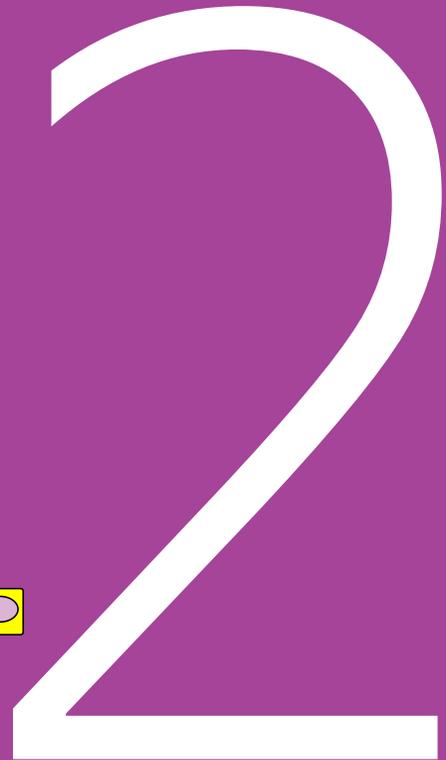
Programming

- Level of modelling
- Square feet analysis + Scheduling
- Presentation Drawings



Construction Documentation

- Built-In Consistency
- 2D/3D streamlined and precise transitions
- More upfront team/consultant communication and coordination



3D Visualization

- Working 3D Views
- Camera Views
- Rendering

