

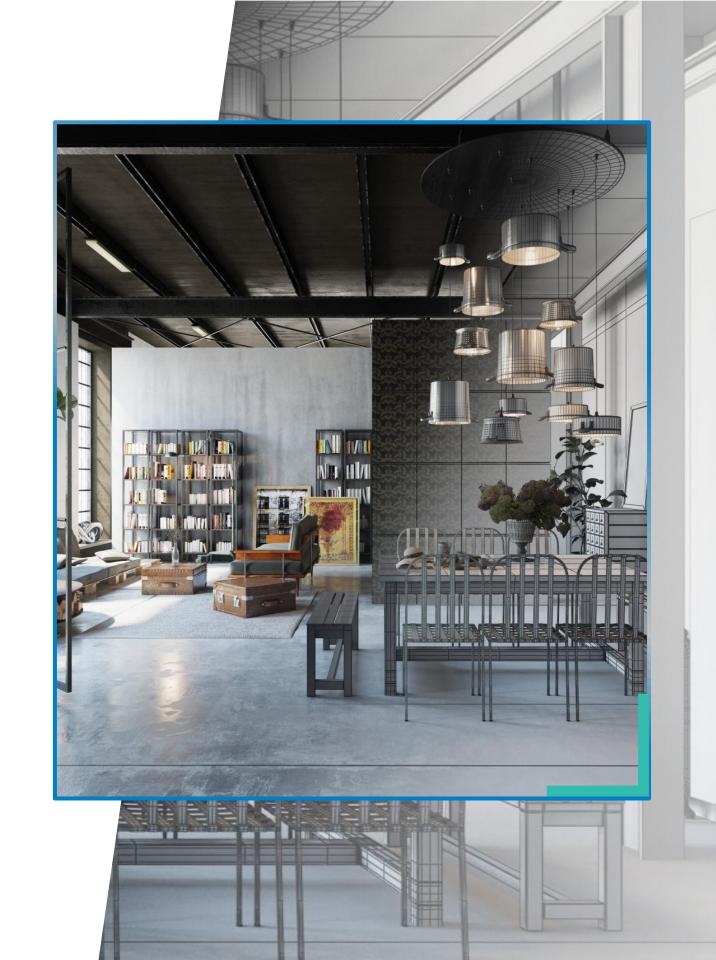


# Learning Objectives

Create a VR scene using Revit LIVE

Edit the VR in 3ds Max (Interactive)
 using animation
 and basic FLOW editing (no scripting!)

 Investigate usecases like design phases / LODs / BIM data / timeline



## VR / AR Usecases

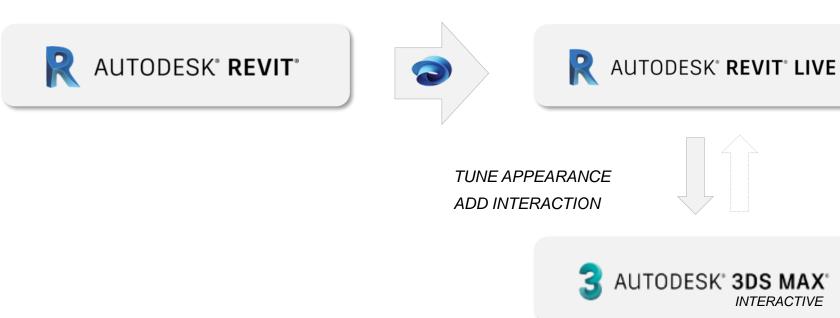
Showcase

#### **INTERNAL** Education Maintenance Product Facility management awareness Training Collaboration **Testing** Stakeholder Design review engagement **AUGMENTED VIRTUAL** REALITY **REALITY** Advertising Digital sales Marketing Product Customer Integration experience Product Customer support

**EXTERNAL** 



# LIVE Design

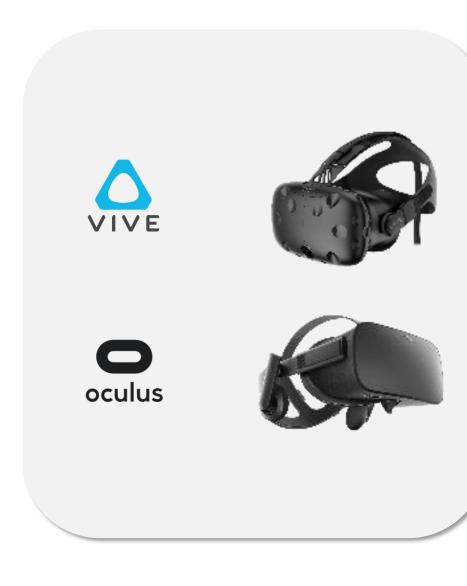


ADD NON-REVIT CONTENT

AUTODESK\* 3DS MAX\*

OR ANIMATIONS,

**EDIT GEOMETRY** 



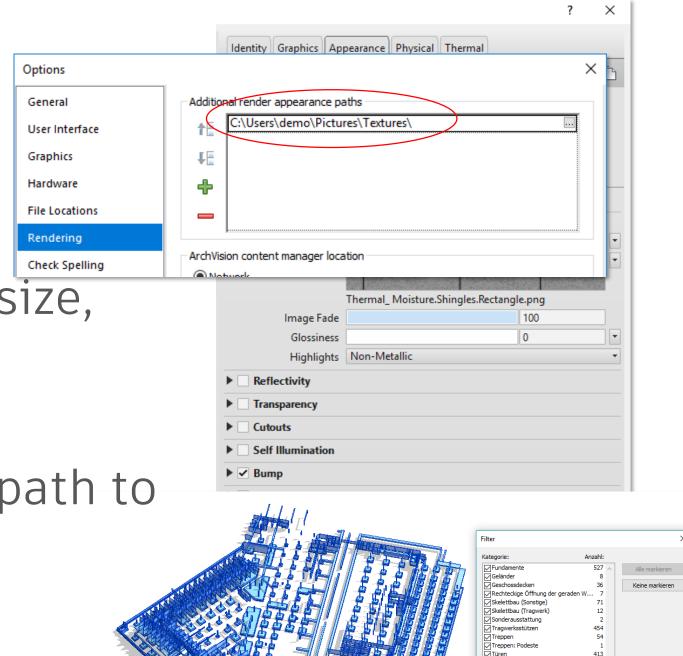
## **Model Preparation**

Assign Materials with Appearance

 Use GPU-friendly textures (reasonable size, power of two: 512 x 512, 512 x 1024)

 When adding custom textures, add the path to Revit options

Hide Elements which are not visible in VR

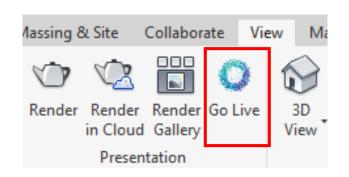


# Shopping Mall Neuer Markt

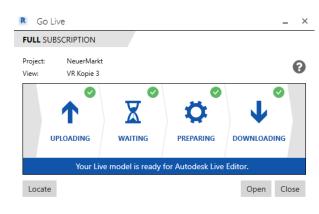


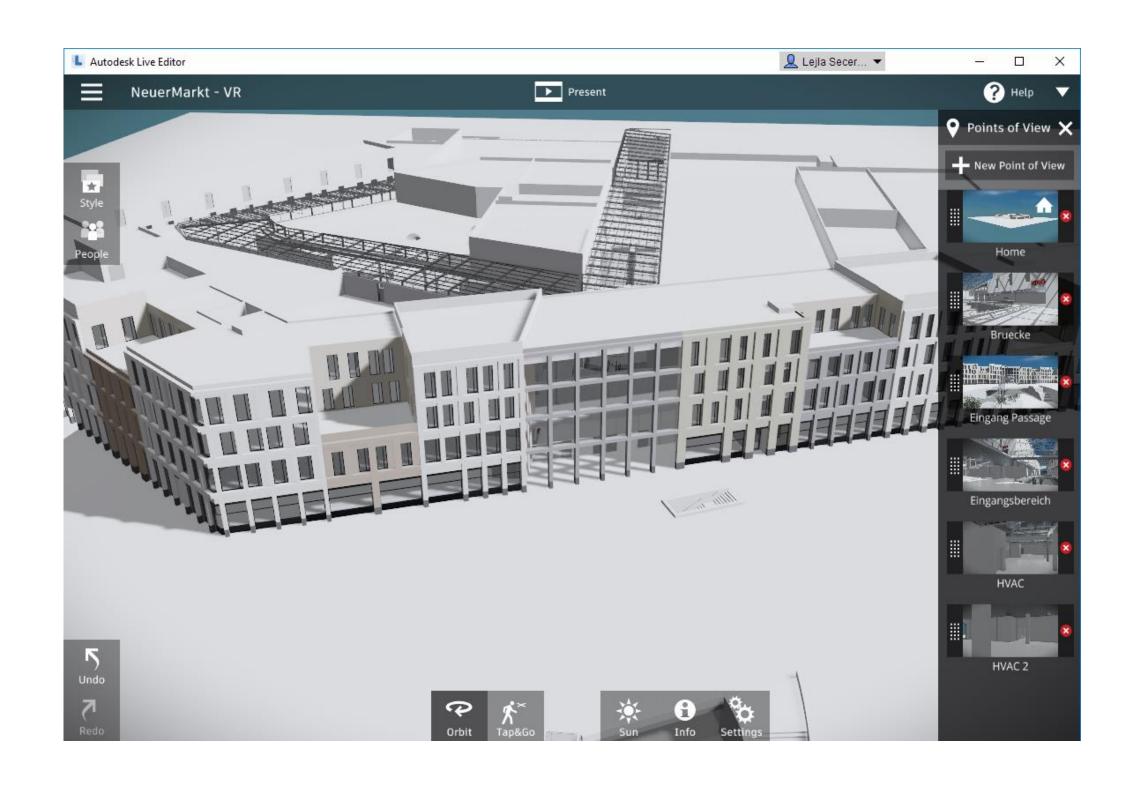


### **Revit LIVE Model**







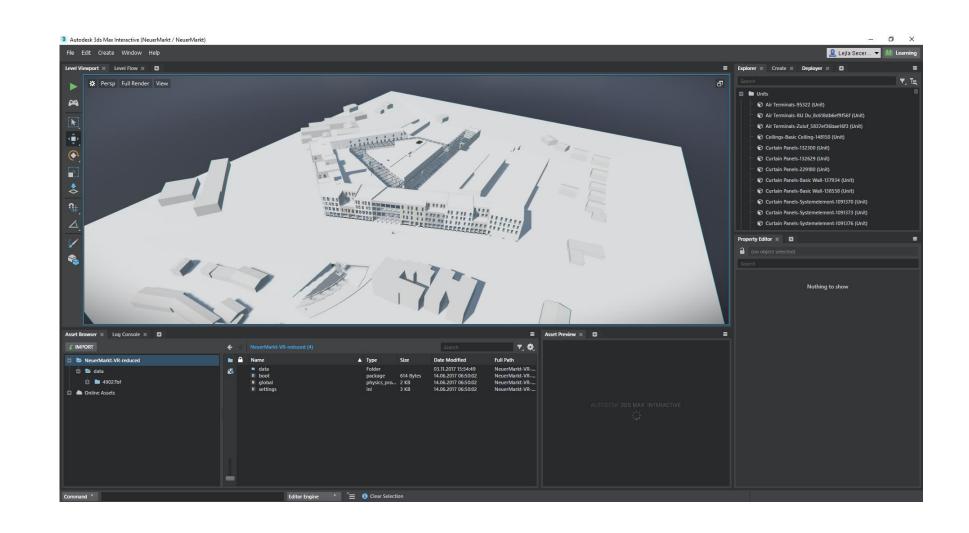


# Open LIVE Project in 3ds Max Interactive

Rename .lvmd to .zip

Unzip

Open Stingray, Add Project and open!

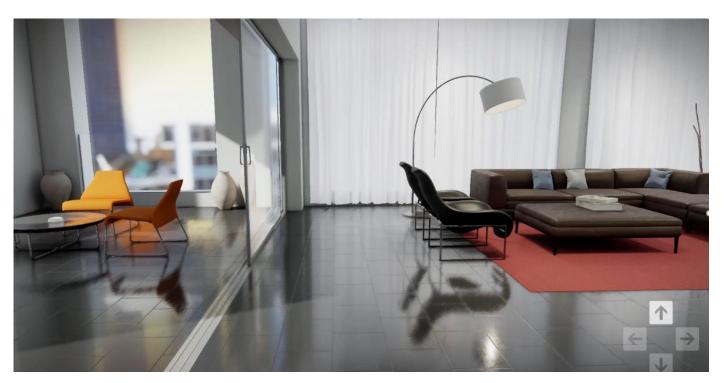


## Boosting the visual appearance

Assign / edit materials

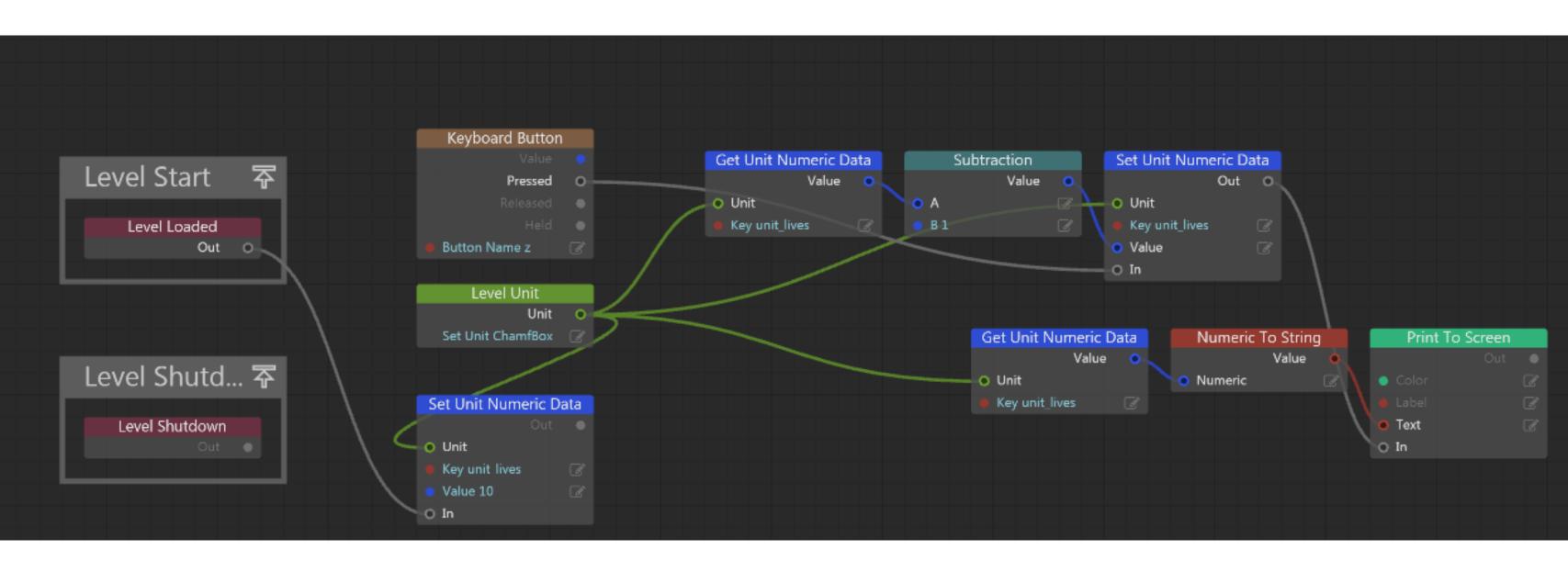
 Generate UV maps and perform lightbaking

Create reflection probes





# Adding interaction elements with FLOW







Make anything.

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