

# VIBE PROJECT

## Virtual Biomedical and STEM/STEAM Education

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# Gravity Sketch



# ➤➤➤ What is Gravity Sketch?

- 3D design and development studio
- Real-time or asynchronous collaboration
- Options to work in VR, MR and AR
- Industry workflow integrations
  - Blender, Keyshot, etc.
- Cloud-based storage for your creations
- Free library of prefabs and reference models

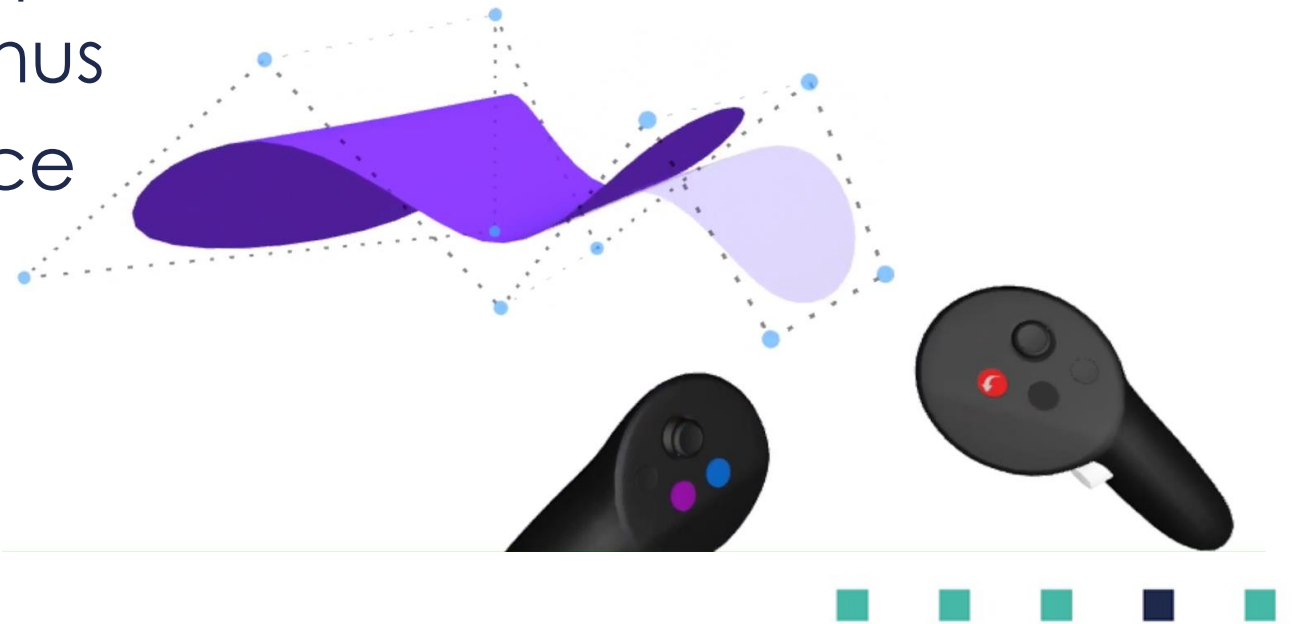






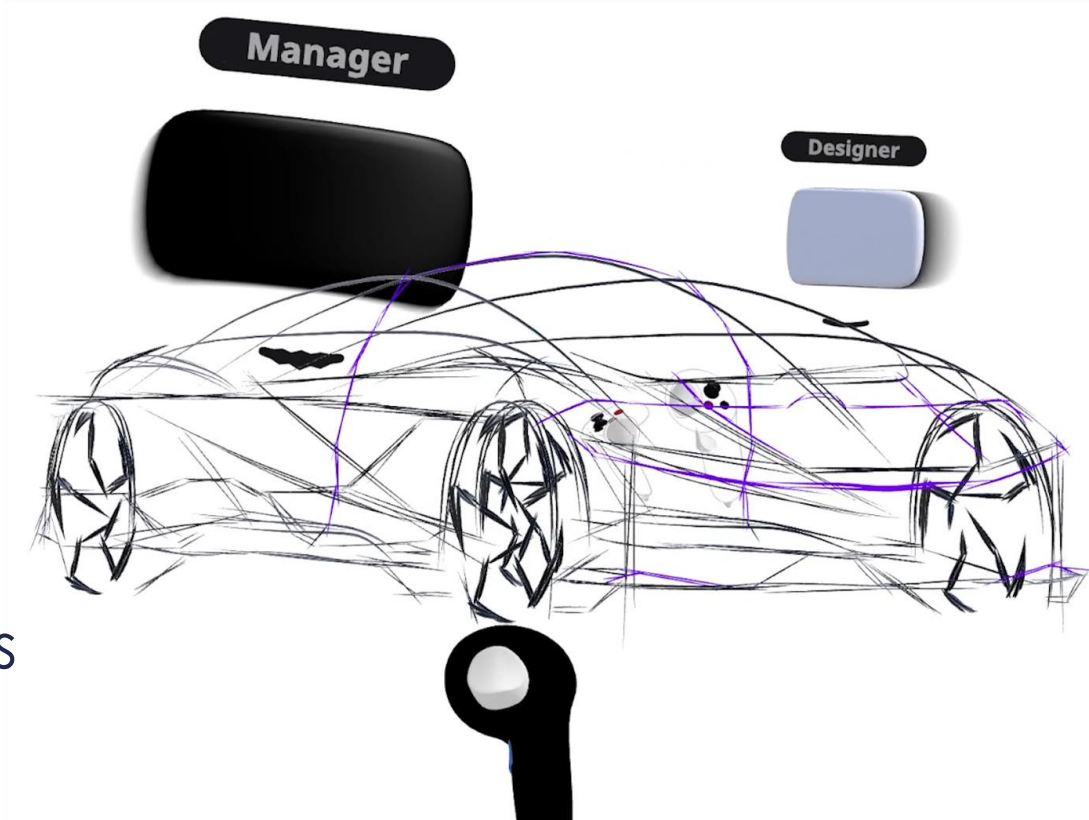
# Easy to use

- Create using sketches
- 3D geometry engine
- Easy to use UI – no hidden option or drop-down menus
- Simple volume and surface creation tools
- Export designs as 3D files



# Working together

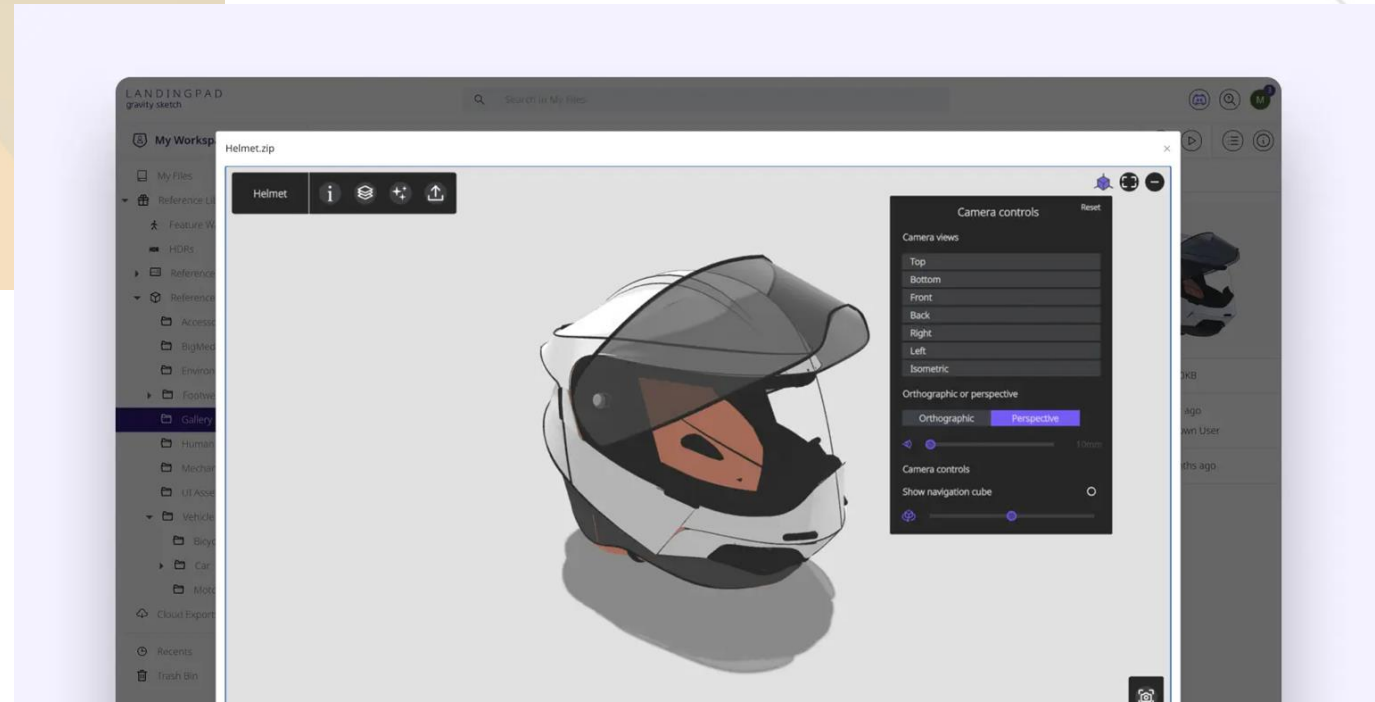
- Connect to online sessions
- Shared and individual storage space
- Showcase multiple designs
- Assign roles to participants
- Spectator mode – join rooms without a VR head



# >>> Working Together



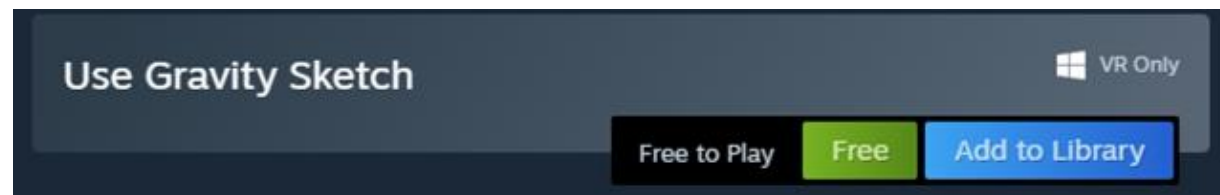
gravity sketch



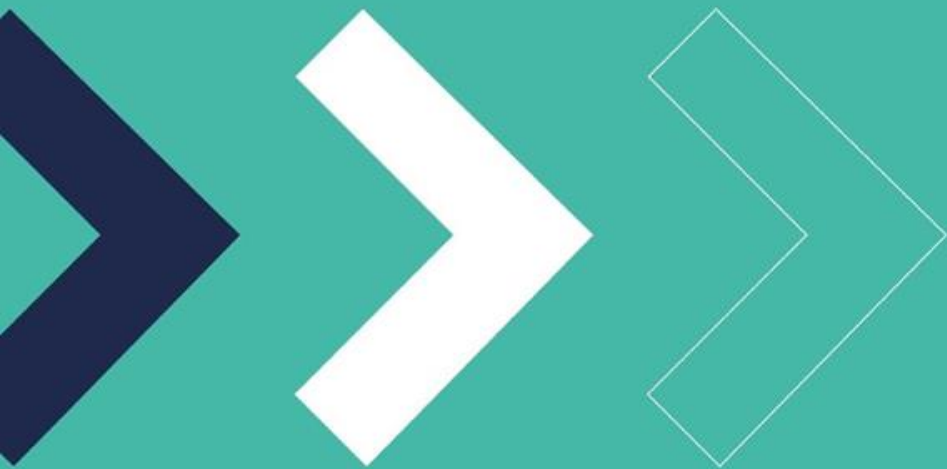


# ➤➤➤ Availability

- Free for individual and hobby use
- Custom pricing options for design teams and companies
- Downloadable from Steam and Meta Quest stores
- Compatibility with tethered and wireless headsets
- Compatible with a wide range of VR Headsets
  - Certain restrictions apply (e.g. no passthrough or AR use on Valve Index or HTC Vive Pro)
  - Full function available on Meta Quest 2, 3 and Pro





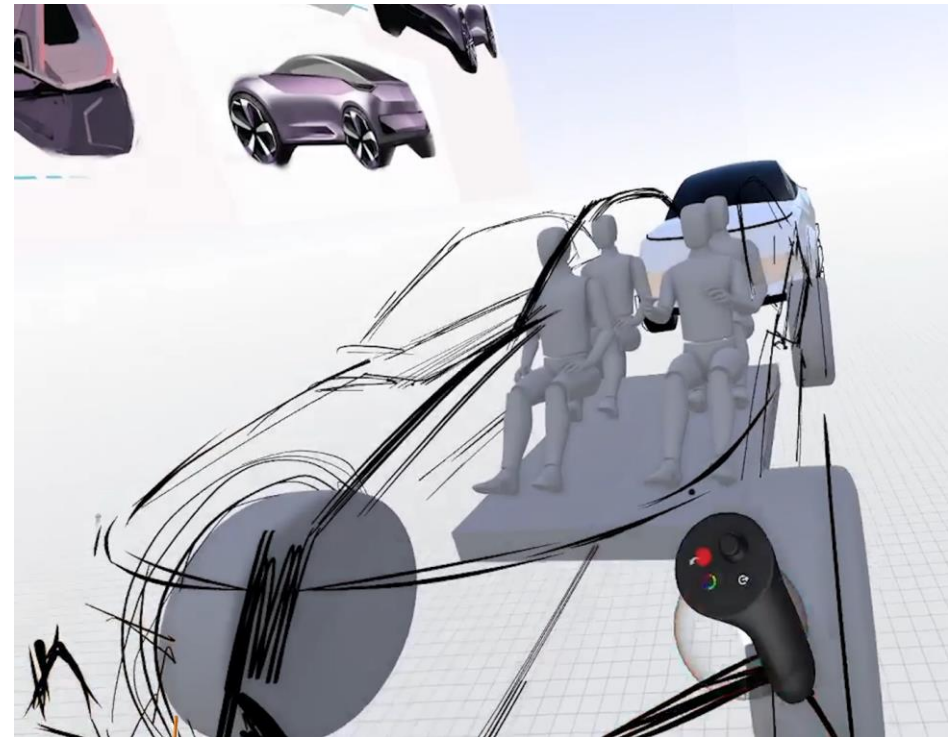


# Professional Application



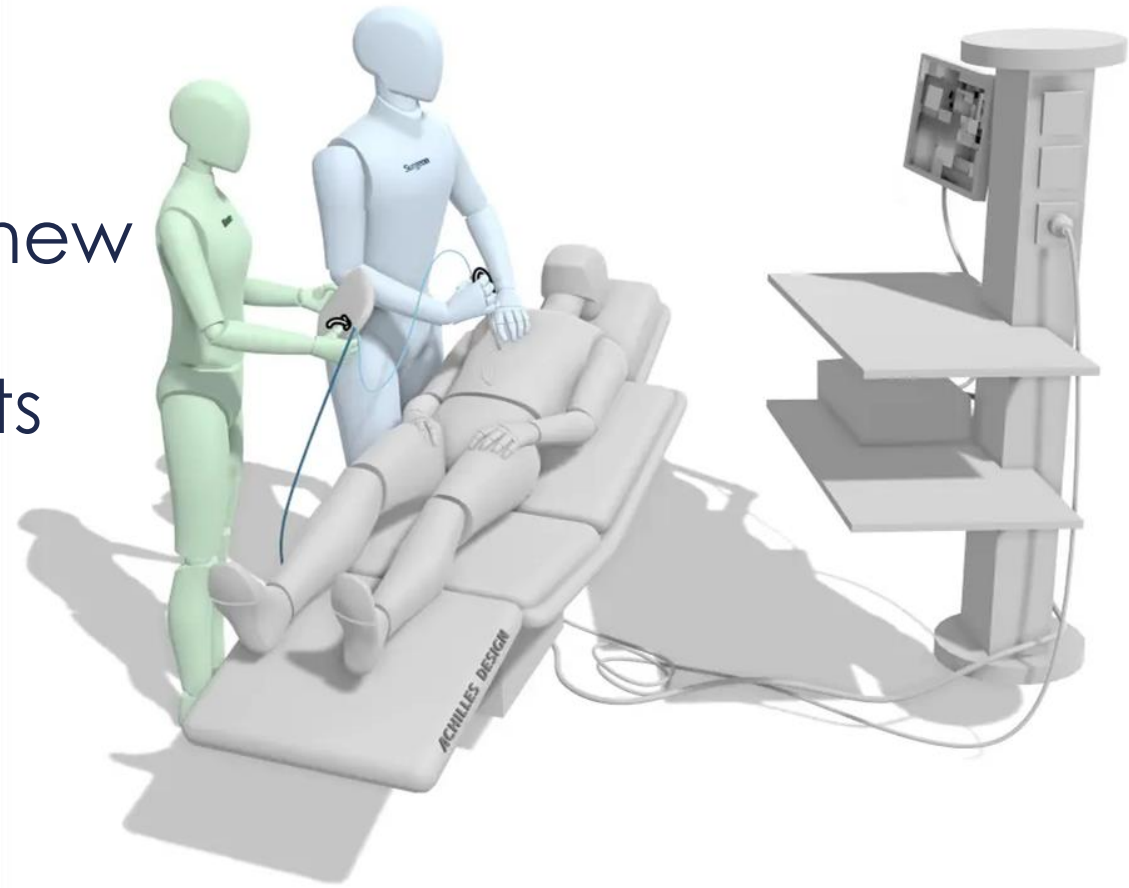
# Industrial use

- Used by industry giants in
  - Transportation
    - Ford, Volkswagen Group, Nissan, Polaris, Stellantis, etc.
  - Clothing and sports equipment
    - Adidas, Puma, Reebok, etc.
  - IT sector
    - HP, Wacom, etc.
  - Other fields



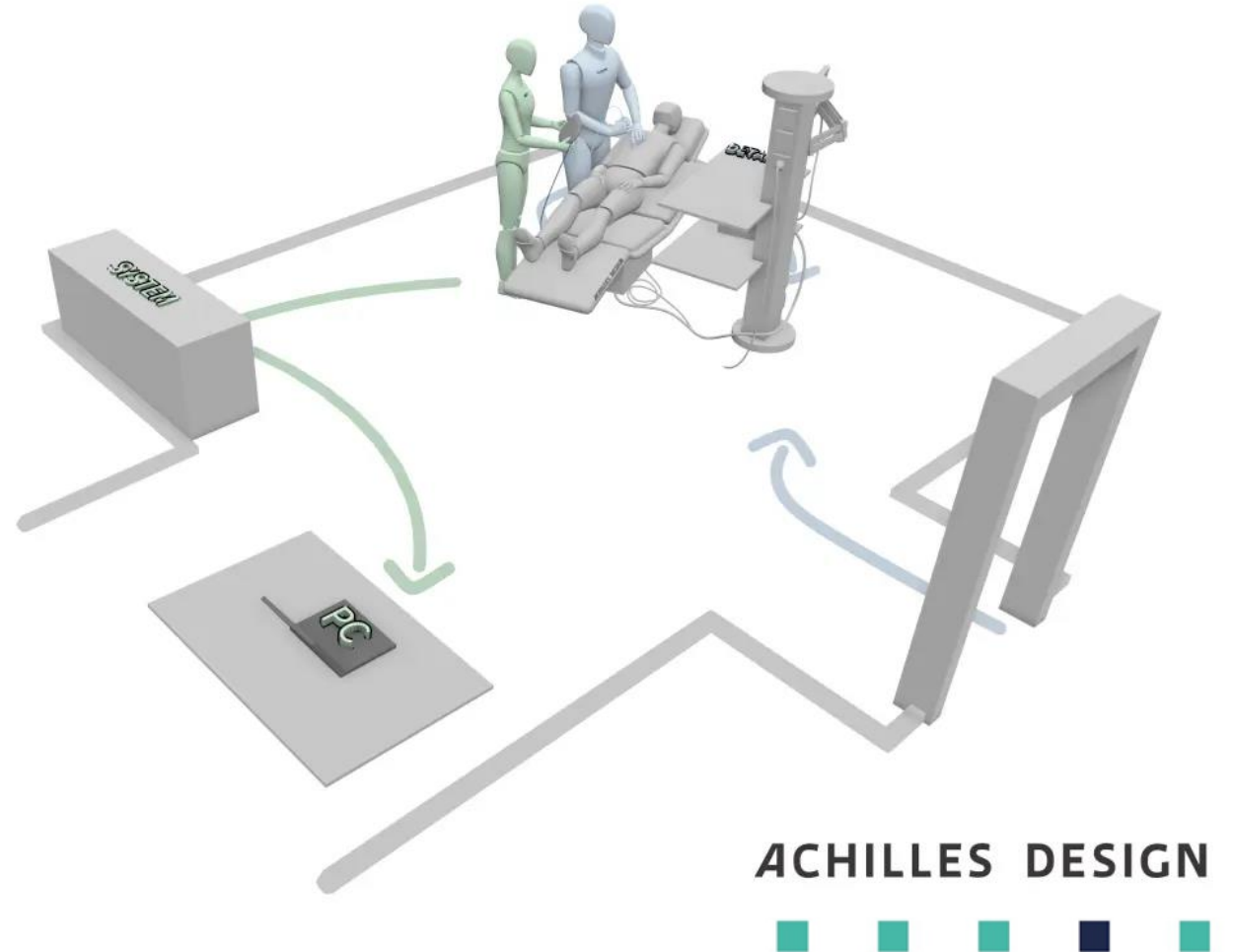
# ➤➤➤ Medical use

- Mostly used for design purposes
- Developing and testing new devices
- Building test environments
- Easy and cheap prototyping process
- Leading designer in the Medical field:  
Achilles Design



# ➤➤➤ Achilles Design – example use case

- Gravity Sketch is used as one of the main design tools
- Recent project: Medical imaging device
  - Tissue measurements
  - Design focus: functionality, workflow
  - Prototyping in 3D:
    - Test scenarios
    - Device „mock-ups”





# Sources

[Gravitysketch website](#)

[Achilles Design](#)

[Meta Store](#)

[Steam Store](#)

All images used in the presentation are from the websites listed above, my own screenshots, or stock photos available for free





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[vibe-project.pte.hu](http://vibe-project.pte.hu)

