

JANUARY 7, 2019

AIA TAP BUILDING CONNECTIONS CONGRESS  
INFORMING THE BUILDING EXPERIENCE

# CAPTURE + COMMUNICATE

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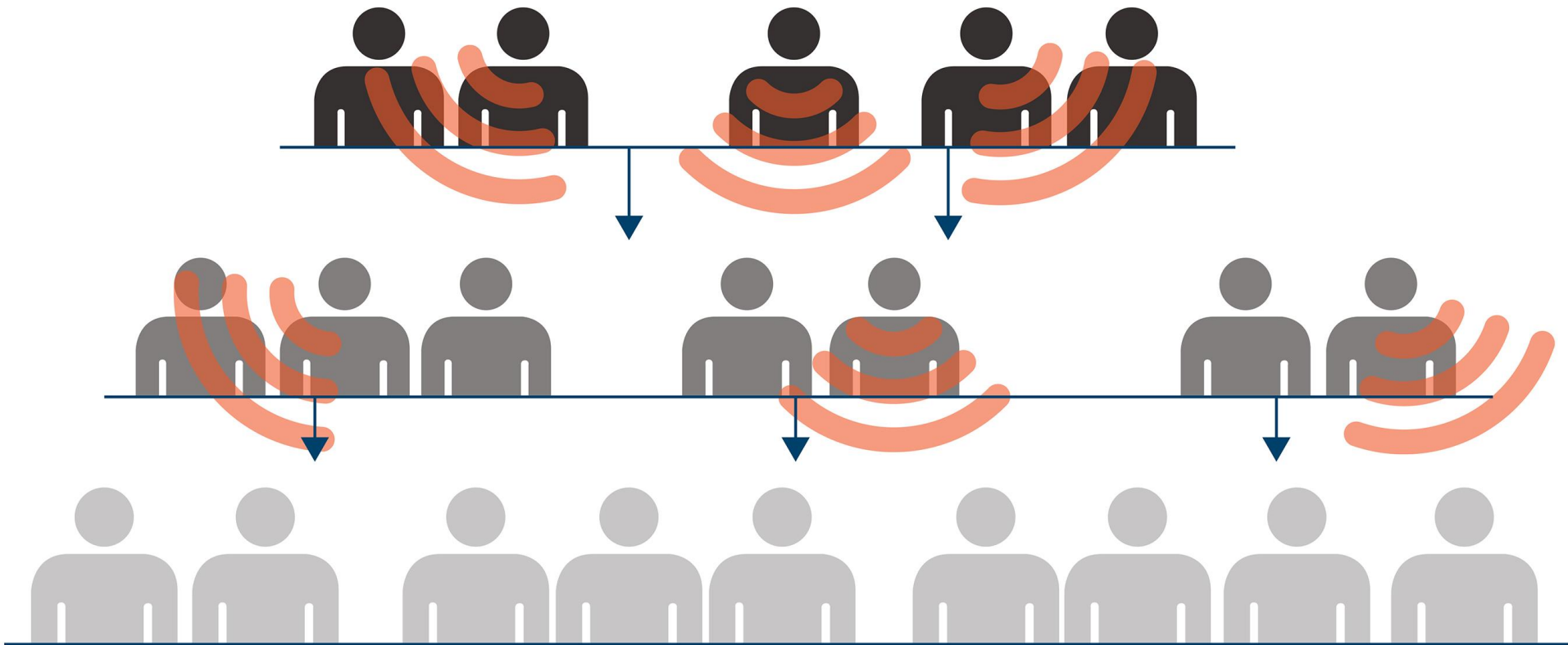
**NURI MILLER** – *Director of Digital Design & Technology*

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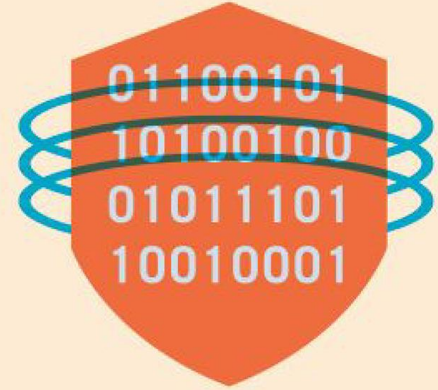
# KNOWLEDGE WATERFALL



**BESPOKE  
EXPERTISE**



**SPACE =  
STRATEGIC ASSET**



**DEFENSIBLE  
DATA**

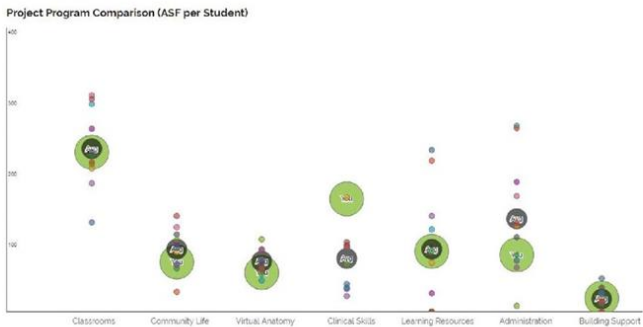
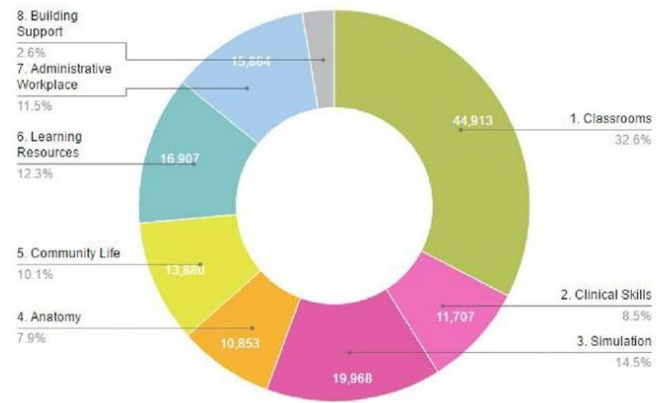
# **CLIENT NEEDS**



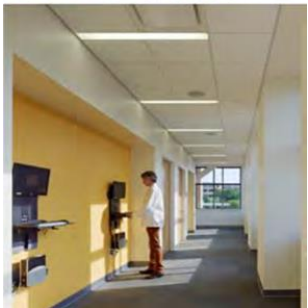
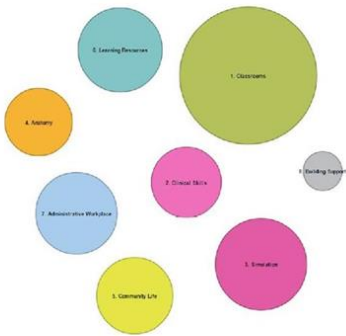
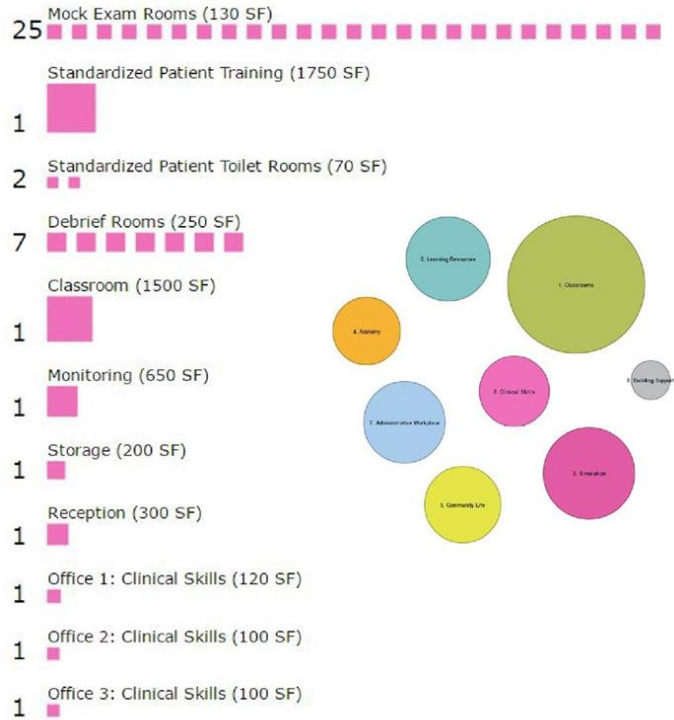
# GATHERING PROGRAMMING TOOLS



# PROGRAMMING DASHBOARD ELEMENTS



## Program Spaces



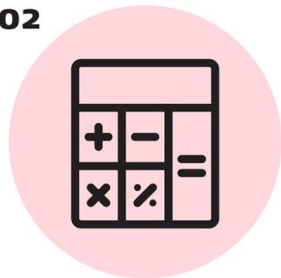
# PROGRAMMING DASHBOARD GOALS

01



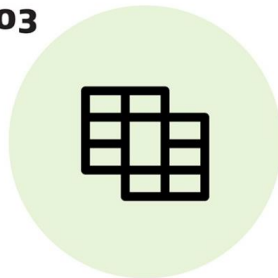
Accessible  
to Staff

02



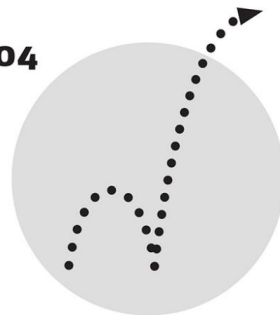
It is Not a  
Calculator

03



Consolidating  
Resources

04



Leapfrogging  
To The Unique

05



Engaged User  
Experience



# CO ARCHITECTS Med Ed Programming

- QUESTIONS
- OPTIONS
- PROJECT PROGRAM
- PROGRAM CATEGORIES

## Questions

### Medical Education Program Questions

\* Required

Option Name \*

Test Project

What is your target class size? \*

120

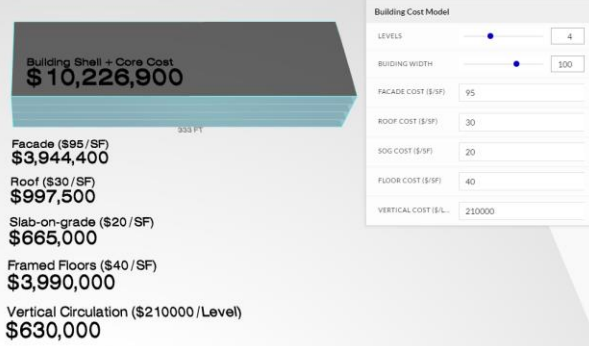
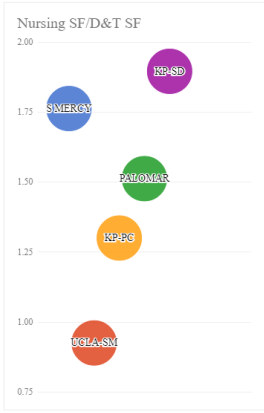
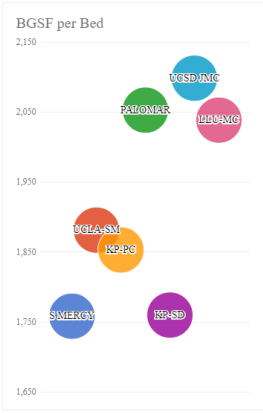
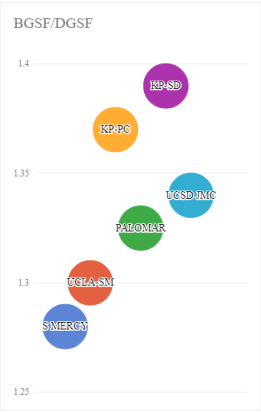
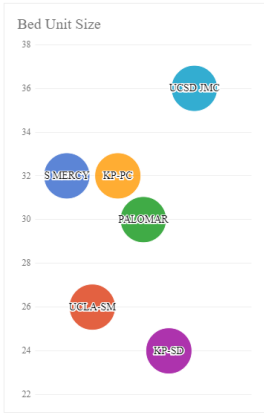
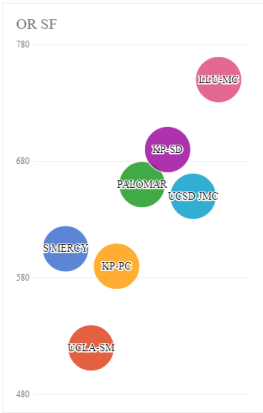
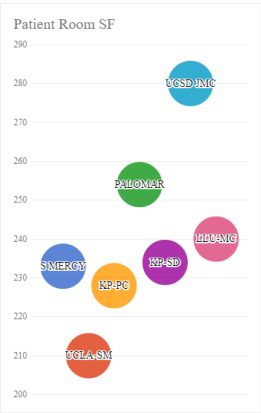
What is your small group cohort size? \*

6

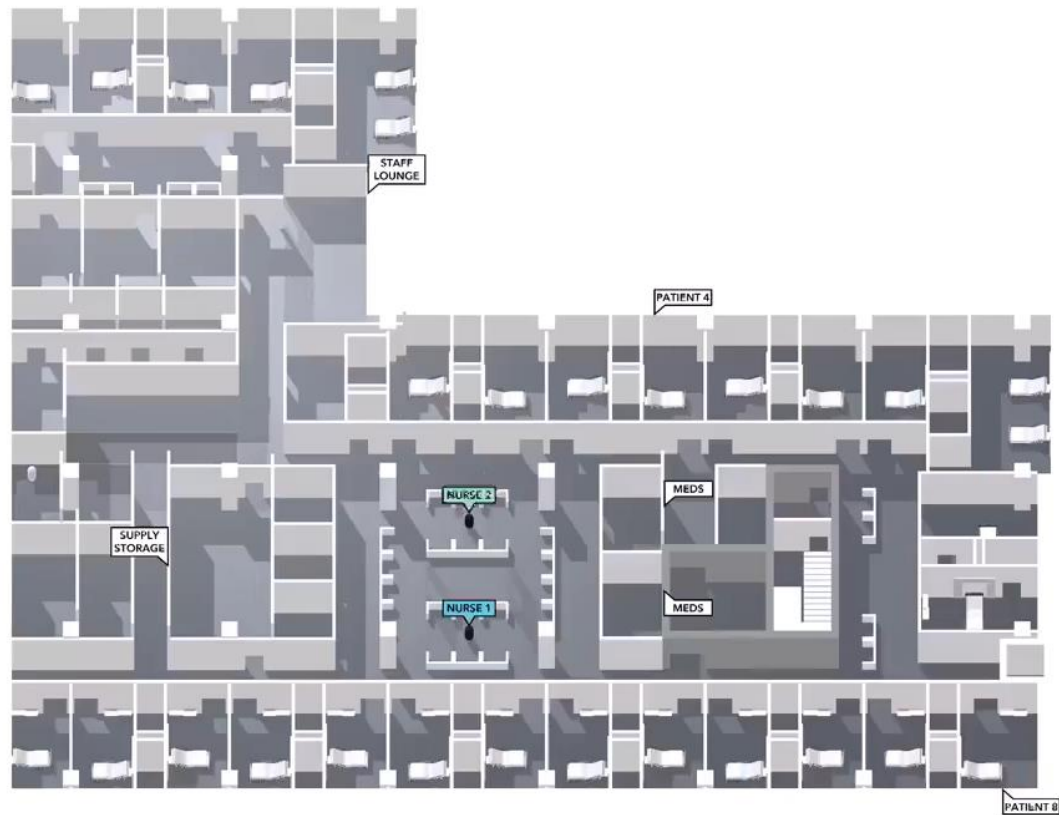
Number of PhD students?

50

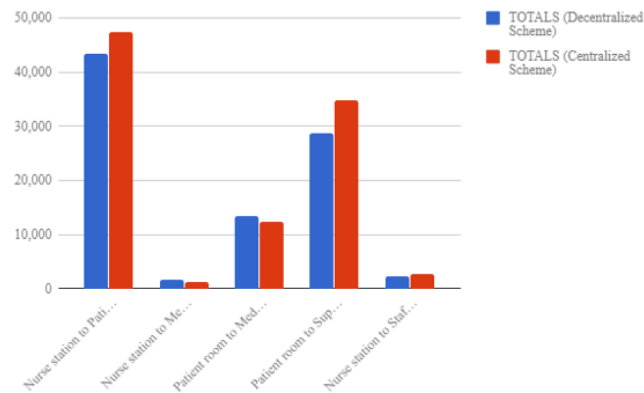
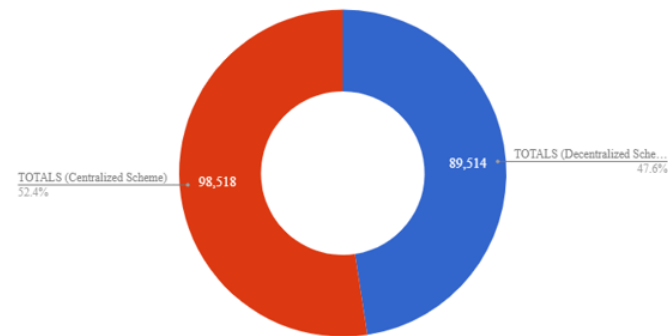
# DASHBOARD DEVELOPMENTS

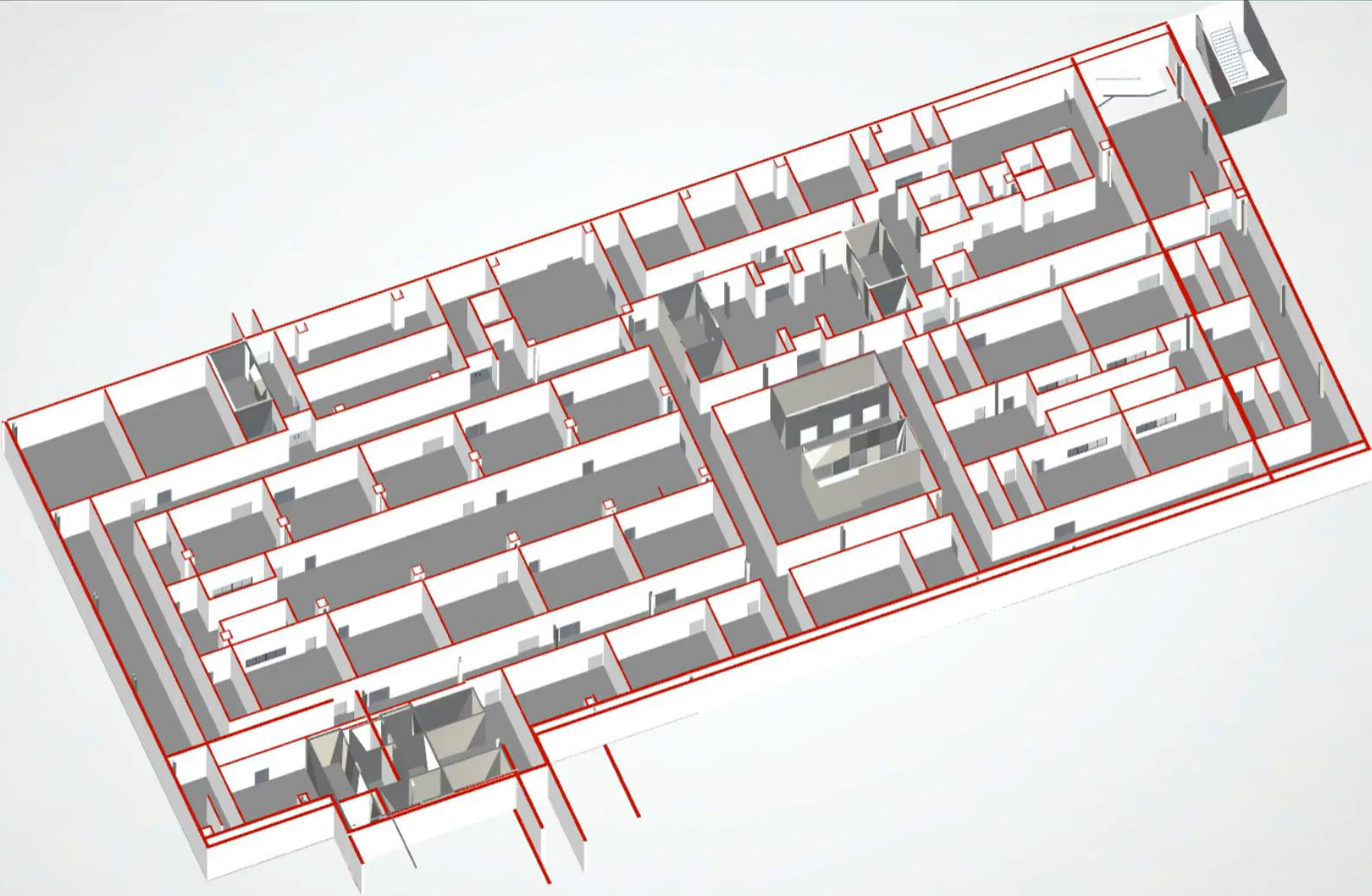


# HOSPITAL TRAVEL DISTANCE STUDY



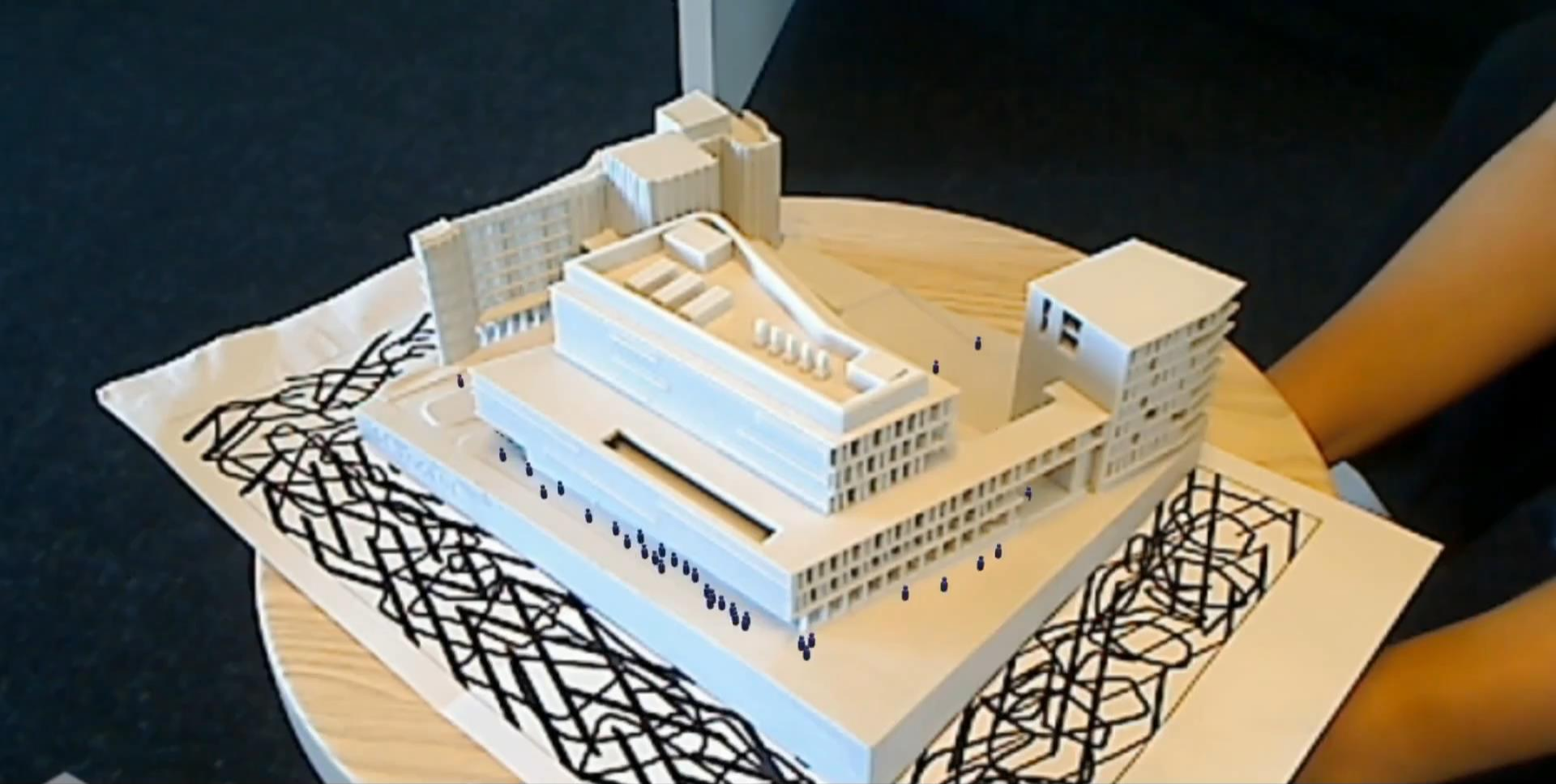
Decentralized vs. Centralized Schemes (Total distance in feet)





00 ft





Agent Count: 43



Agent Speed:





## PHYSICAL OPERATING ROOM MOCK UPS



Sticky notes left on equipment indicating design changes.





# INFORMING CONSTRUCTION

Through Virtual Design Iterations

USER GROUPS

DATA PLAN SHEETS

DOCUMENT

MOCK UP

BUILD



Program

Schematic Design

Design Development

Construction Documents

Construction

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# VIRTUAL OPERATING ROOMS

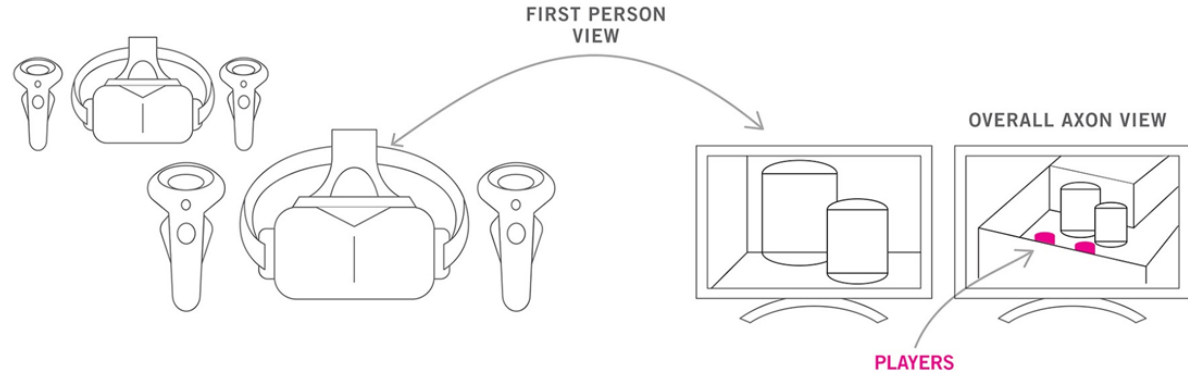


6 BUILT PROJECTS

## VIRTUAL OPERATING ROOM SET UP

### EQUIPMENT NEEDED:

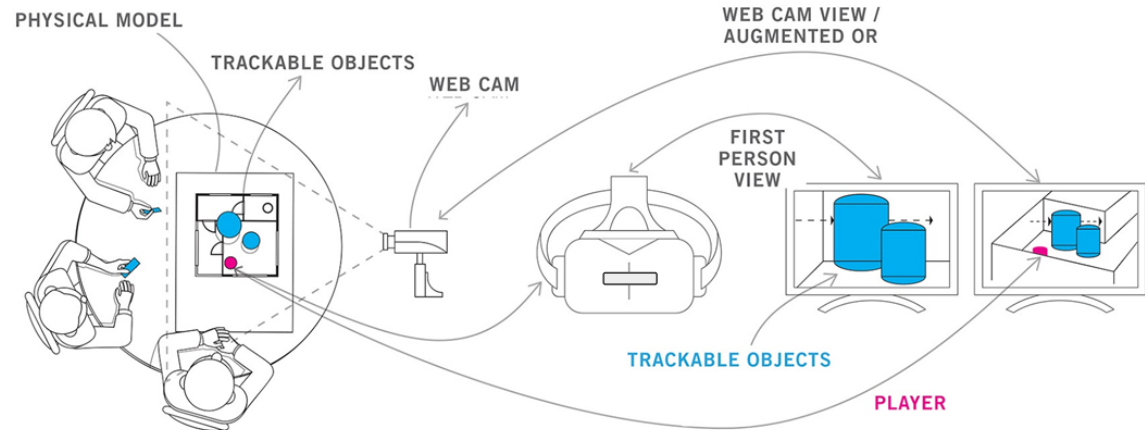
- 2 VR READY COMPUTERS
- 2 VR HEADSETS



## MIXED REALITY OPERATING ROOM SET UP

### EQUIPMENT NEEDED:

- 1 VR READY COMPUTER
- 1 VR HEADSET
- 1 WEBCAM
- 1 LEAP MOTION



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# What We Have Learned

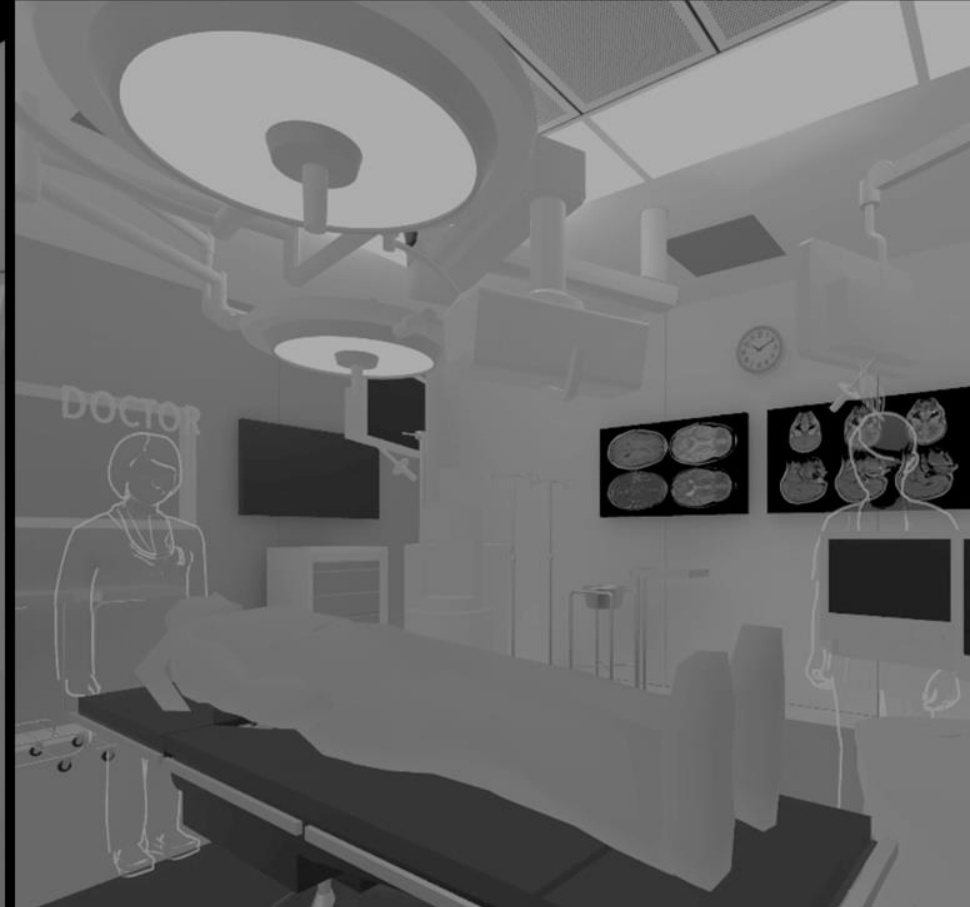
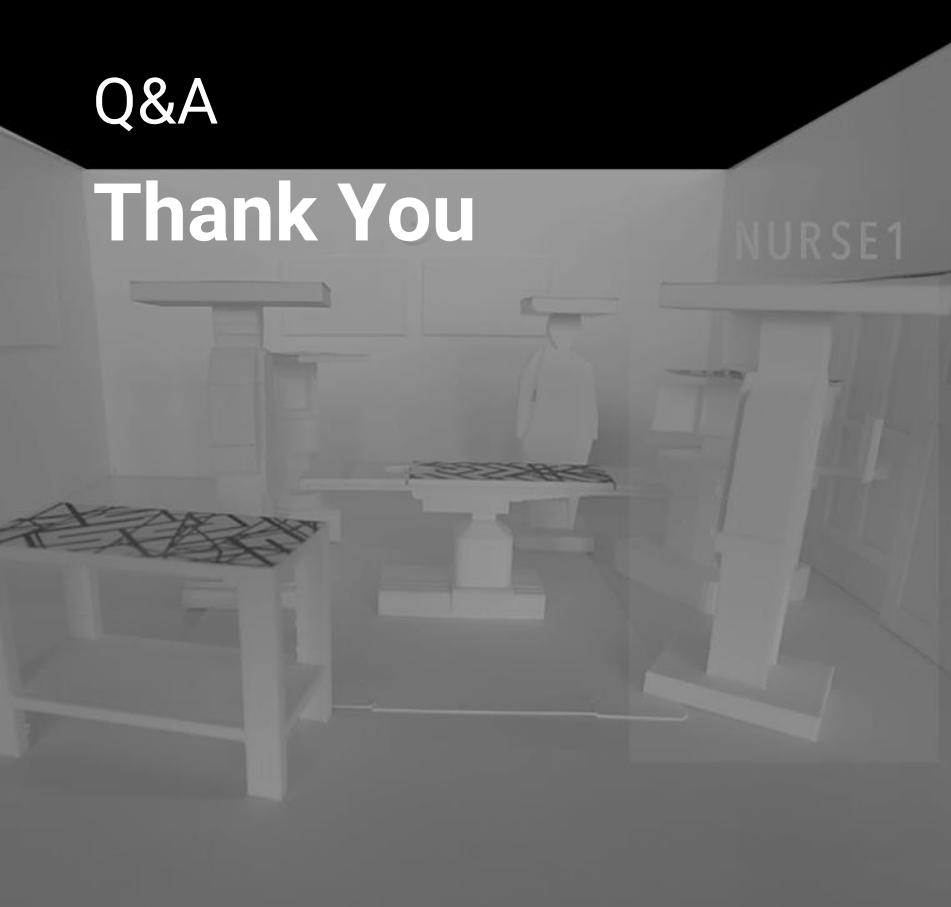
**01 |** Tools for real-time data exploration can reduce face-to-face meeting time.

**02 |** Self-led digital design tools for user input can provide rapid and more reliable data.

**03 |** Interactive and immersive experiences can support right-sizing high value spaces.

Q&A

Thank You



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