



mockup review

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section a

# SpongeAssured

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*No medical sponge left behind*

**Presenter Fernando Núñez**

**used in operating rooms**

**real-time counting of  
sponges**

# SpongeAssured | sketch model

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Black box with IR sensors

Accurate & reliable counting



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section a

sketch

risks

mockup

next steps

# SpongeAssured | product contract

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Customer Needs	Product Attributes	Engineering Specifications
Keeps a visible count	Real-time counting	Displays IN and OUT counts
Keeps a running count	Visibility of sponges once in device	See-through, numbered cubbies
Fits in an Operating Room	Compactness	Smaller than 10x10"
Is portable	Light-weight	Lighter than 6 lbs

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section a

sketch

risks

mockup

next steps

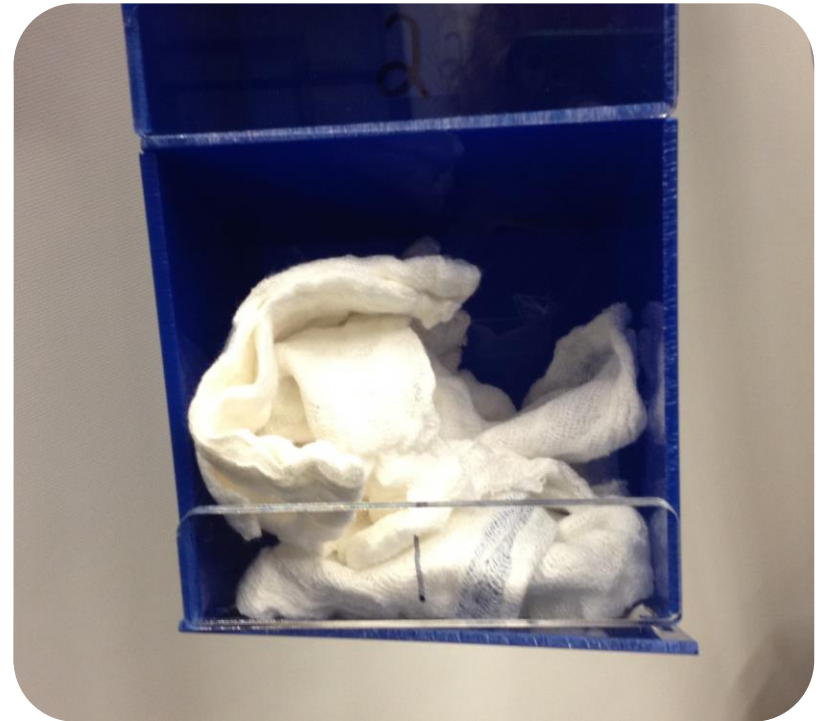
# SpongeAssured | risk one

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*How do we gain nurses' trust?*

sponges visible

fits in current  
workflow



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section a

sketch

risks

mockup

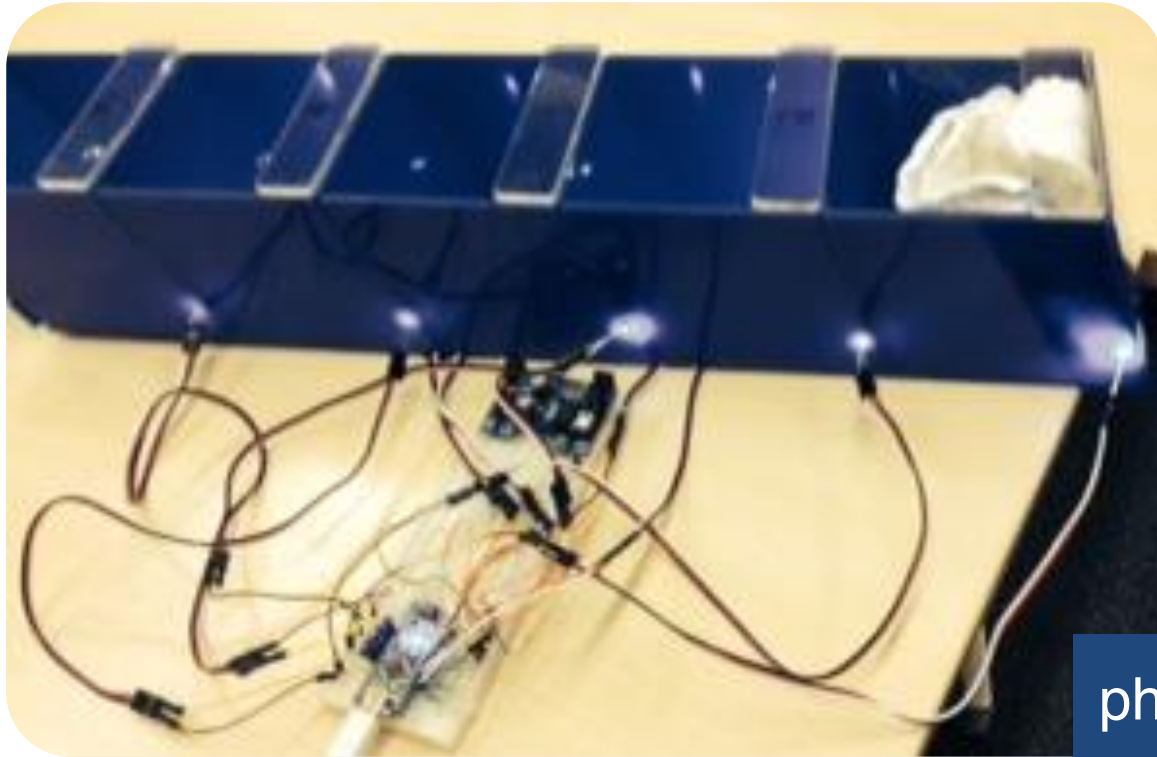
next steps



# SpongeAssured | risk two

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*How do we increase efficiency?*



real-time  
counting

photo-resistors  
& LEDs

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section a

sketch

risks

mockup

next steps

# SpongeAssured | risk three

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*Can we make it portable?*

mounted on  
IV pole



avoids collisions  
in OR



section a

sketch

risks

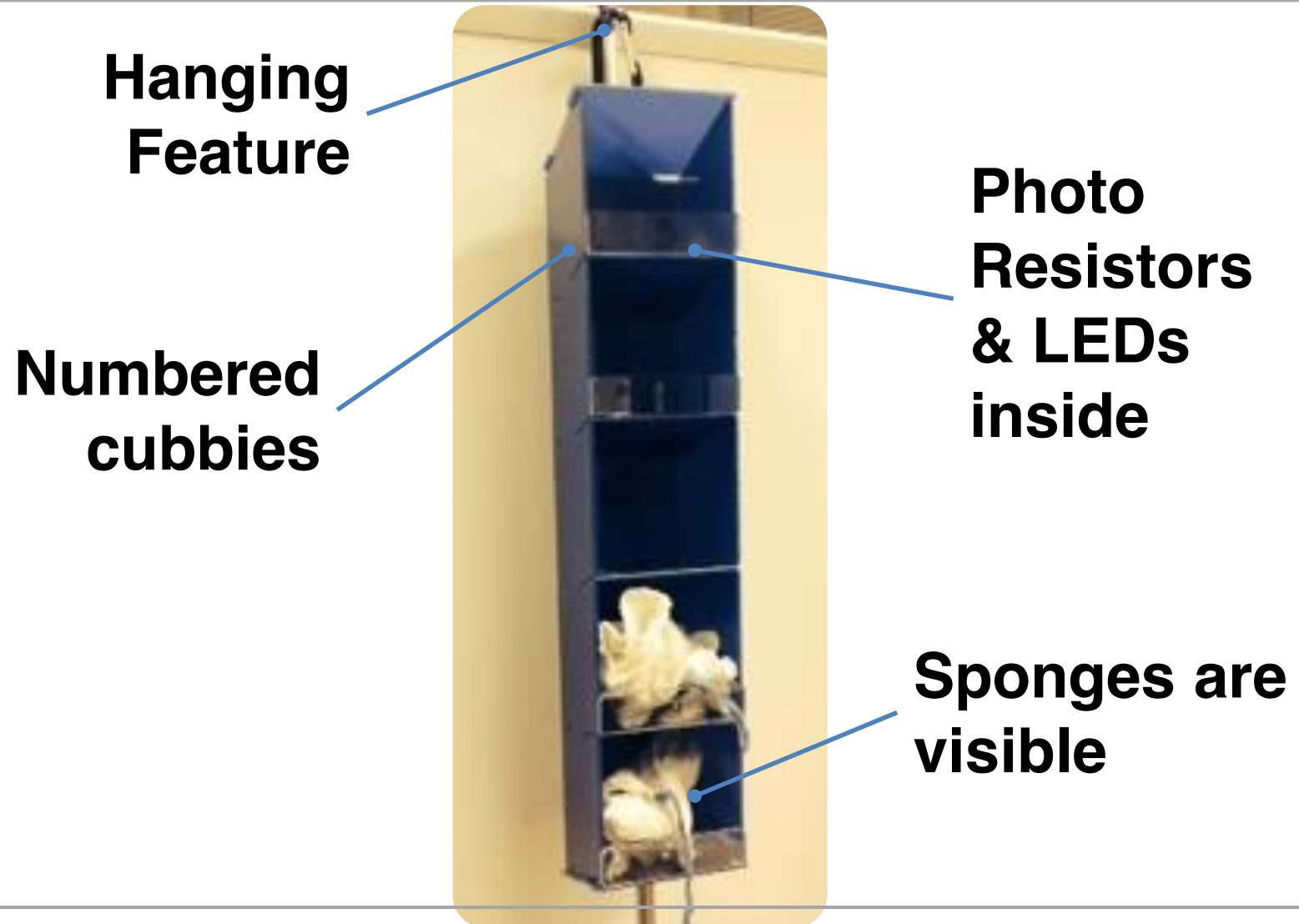
mockup

next steps



# SpongeAssured | mockup model

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section a

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# SpongeAssured | moving forward

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section a

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Target price of

**\$70/module**

55M surgical procedures in the United States

# SpongeAssured

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*No Medical Sponge Left Behind*



# Mockup Review | a

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Terrainer

*Put a hill under your tires*

SpongeAssured

*No medical sponges left behind*



# Terrainer | benchmarking

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**Conquer Indoor**

\$50



**CompuTrainer**

\$1500



**Tour de France**

\$2000

Stationary

Varying Resistances

Incline for Uphill  
Simulation



# SpongeAssured | benchmarking

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**SurgiCount**



**ClearCount**



**SpongeAssured**

High accuracy

High Efficiency

One-Time Cost

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section a

sketch

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mockup

next steps