



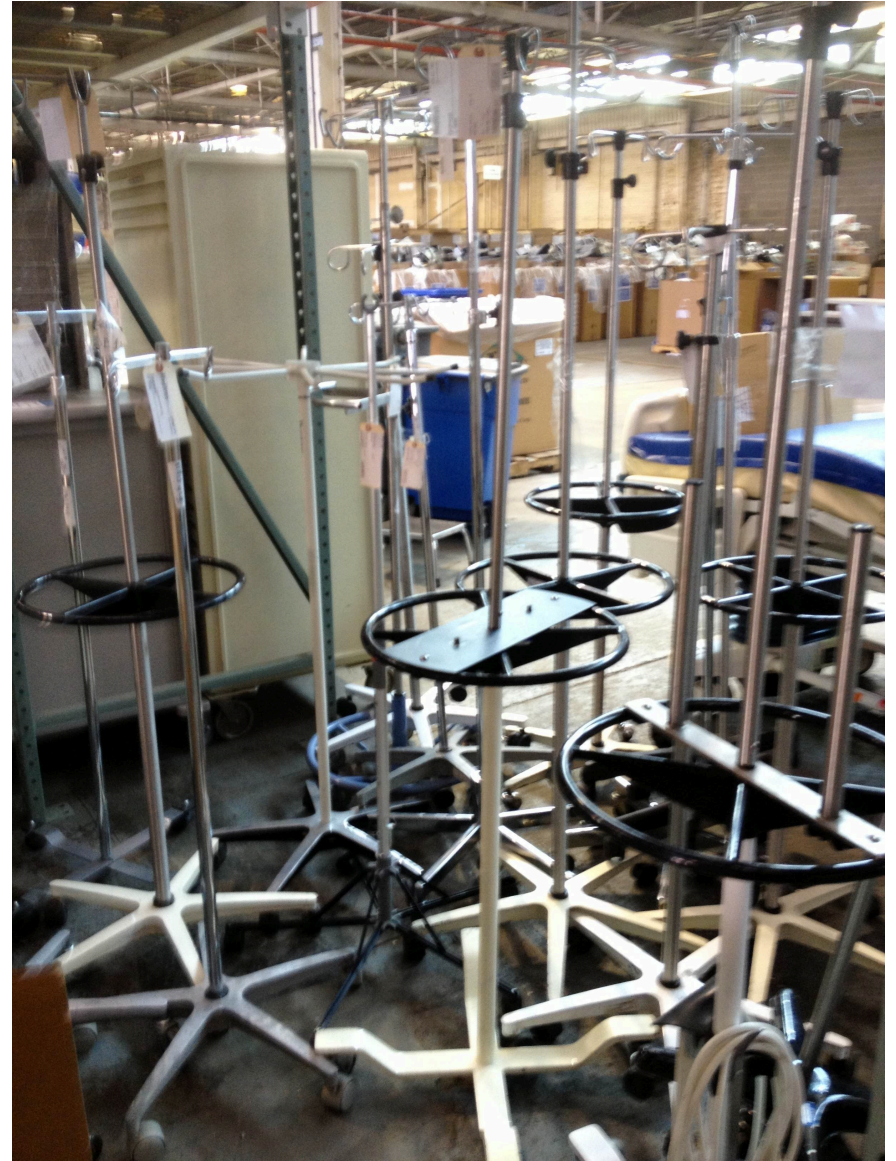
# Trellis

Red A



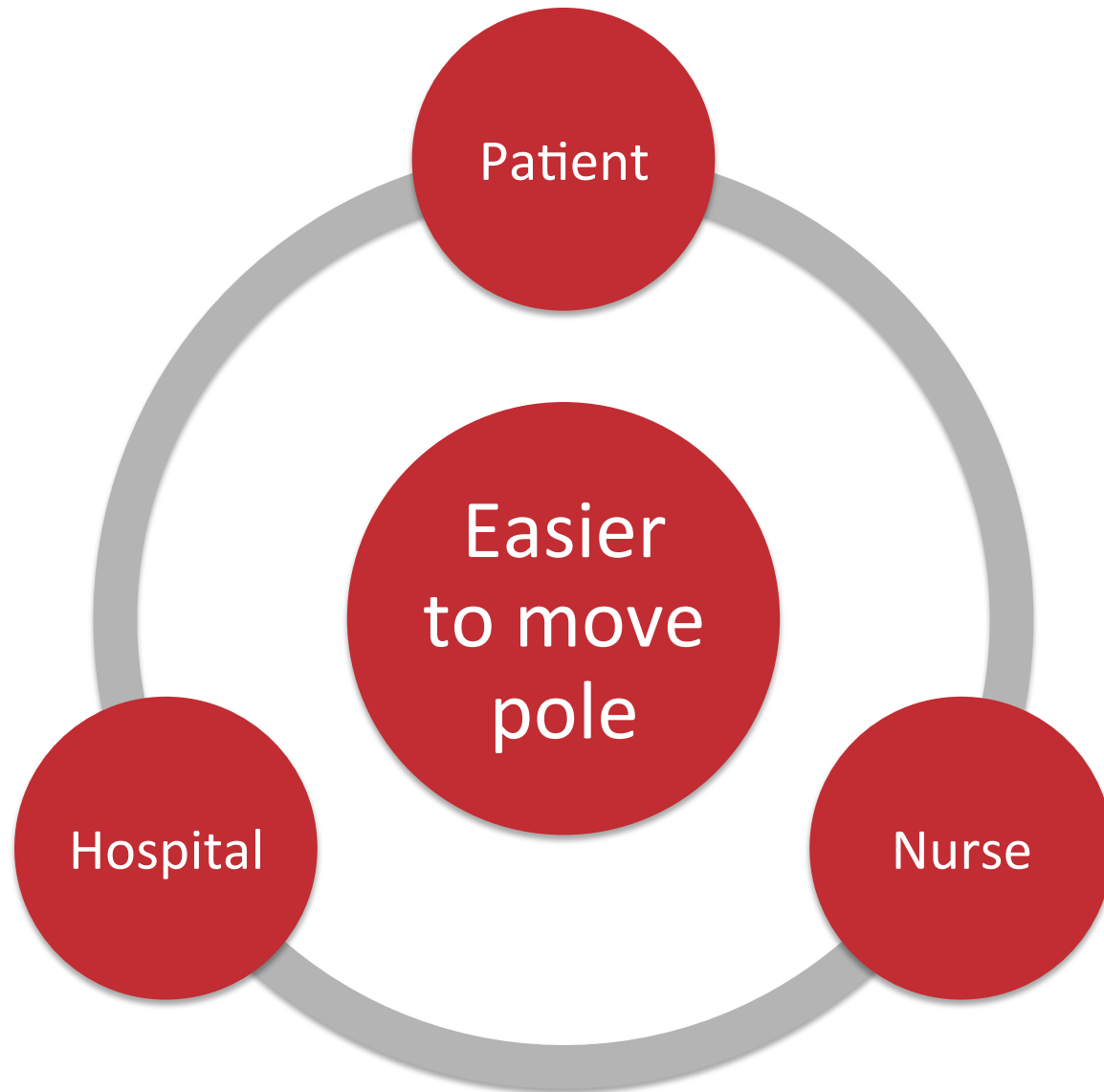
# Customer Need

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# Product Vision

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# Product Contract

| Customer Need                              | Product Attributes  | Engineering Specs                      |
|--|---------------------|--|
| Easy maneuverability for patient and nurse | Base diameter       | Base diameter can contract to < 2 feet |
| Easy mobility for patient and nurse        | Wheels that lock up | No                                     |
| Minimizes disconnections                   | Size                | Base diameter can contract to < 2 feet |
| Storage of IV poles                        | Footprint           | Takes up less < 3.14 ft <sup>2</sup>   |



## Designing a **dynamic base**

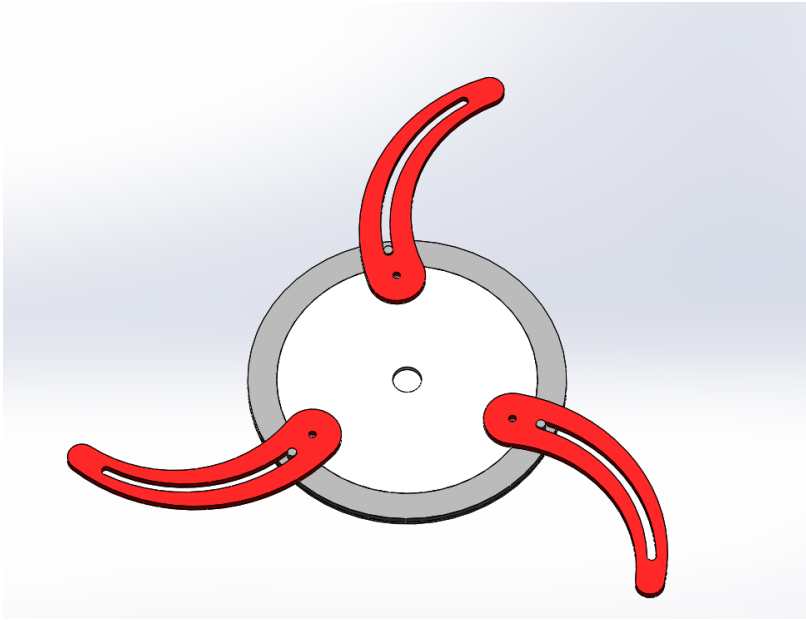
While maintaining stability

Without burdening nurses

# Key Risks

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## Aperture Base



## Tripod Base



## Aperture Base



**Lowers** center of mass

**Maintains** constant height

## Tripod Base

Expands/contracts  
without nurse  
**bending down**



# Future Plans

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Adding feature that moves pump down  
to **increase stability**

Making pole more modular for **easier  
transfer**

**Walking assistance** features