

# Green B Mockup: Walker Lift Assist

Elliott Perez  
Kent Willis  
Claudio Di Leo  
Neeharika Bhartiya

Theresa Dixon  
Raphael Moyer  
Andrew Nanopoulos  
Albert Wang



# The Problem

1.8 million adults in 16,000  
nursing homes

425,000 falls in nursing homes  
will occur every year without  
serious injury

# The Product: Walker Lift Assist



# Benchmarking

\$\$\$\$

\$3000



\$2500

From  
Sitting  
Position

\$172



From  
Floor



\$



# Primary Customer Needs

1. Walker lifts a person
3. Walker maintains stability through lifting process
5. Walker is transportable

# Risk 1: Lifting

- 300 lbs
- Pneumatic Pistons
- Moment produces required force at 100 psi



## Risk 2: Stability

- Center of mass remains inside frame





## Risk 3: Usability

- Walker Weight: 23lbs
- Pressure Control Valve





See You Soon...