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

From Floor

$3000

$2500

From Sitting Position

$172

$
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...