FIRE SENSE
Wearable heat sensor for firefighters
1.3 million fires annually in US
The Problem:
Detecting fires through closed doors
Fire Sense
Price Estimate

$1200 thermal camera

6 firefighters

→ $100
Critical Questions Addressed
Form Factor

Temperature probe

Vibration motor
Test Setup

Butane torch
Communication to user

Alert LEDs
Heat up/Cool down time

7 sec.  15 sec.
heat up  cool down
Unresolved Challenges

- Heat up / cool down time
- False negatives
FIRE SENSE