

# Mover-Bot

Android-based Mobile Robot  
Development Platform

# Motivation:

Low-end Development Platform



## Electronics:

*Interface:*

- WiFi

*Vision:*

- Camera

*Sensors:*

- Accelerometer
- Gyroscope
- Magnetometer
- GPS

COST: \$11,500 - \$5,350 (Chassis) = \$6,150

# Motivation:

Modern Smartphone Device



## Electronics:

*Interface:*

- WiFi

*Vision:*

- Camera

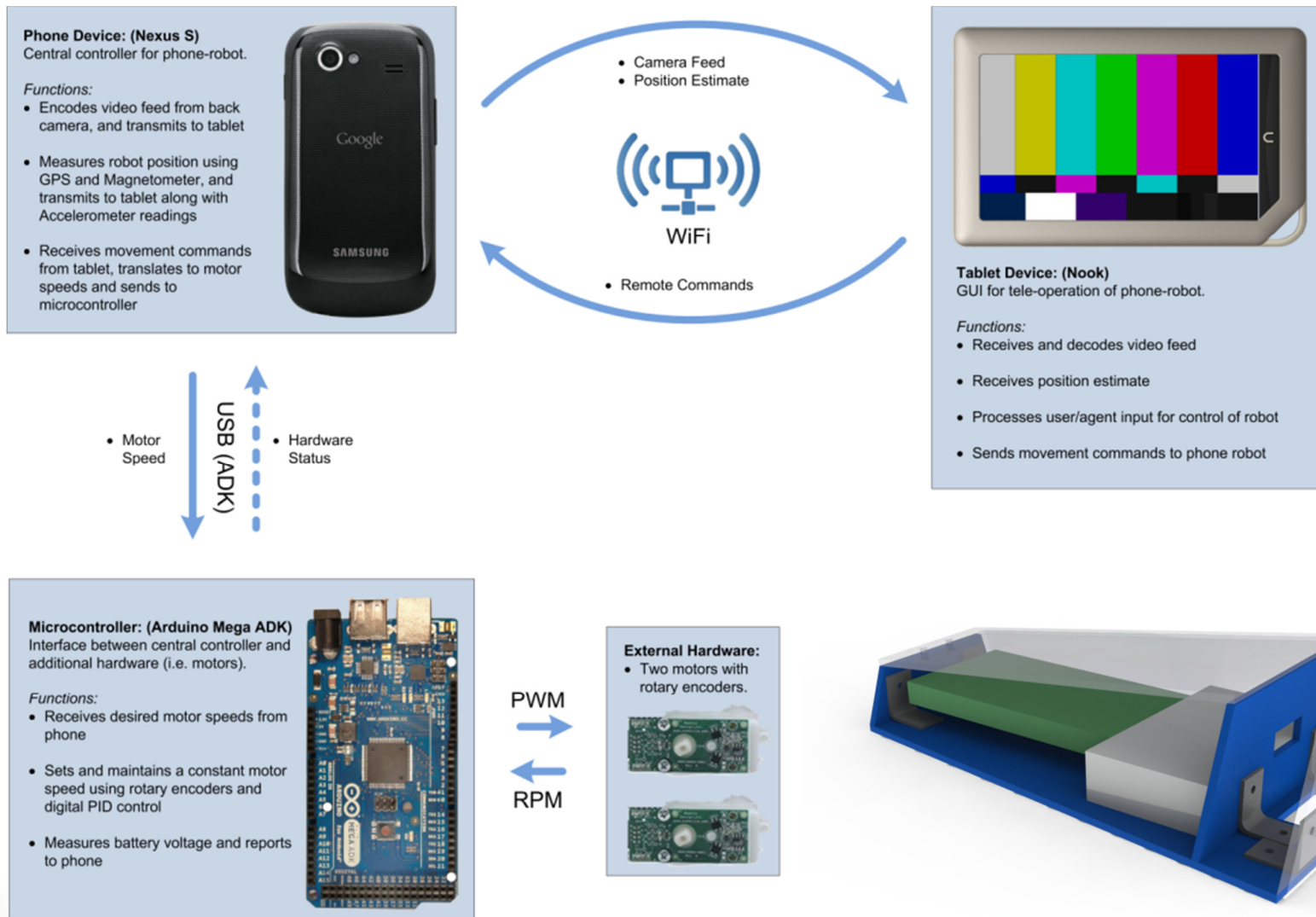
*Sensors:*

- Accelerometer
- Gyroscope
- Magnetometer
- GPS

COST: \$350

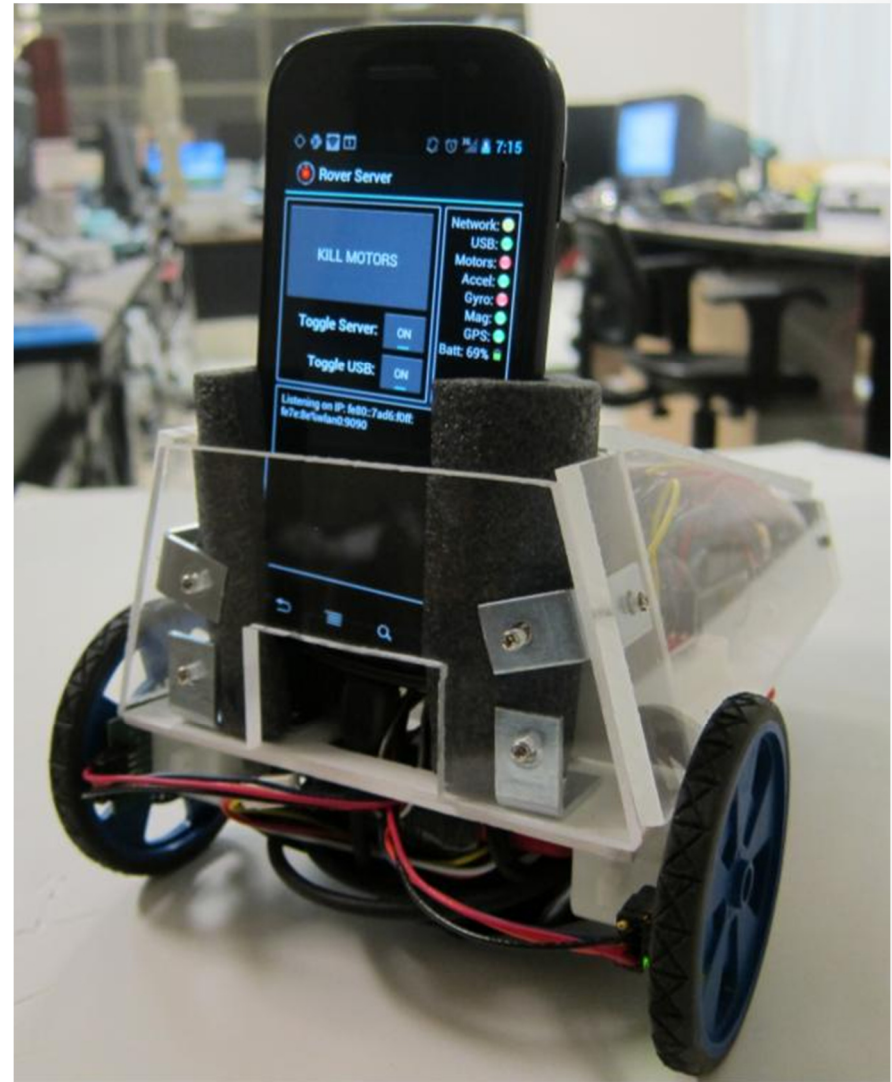
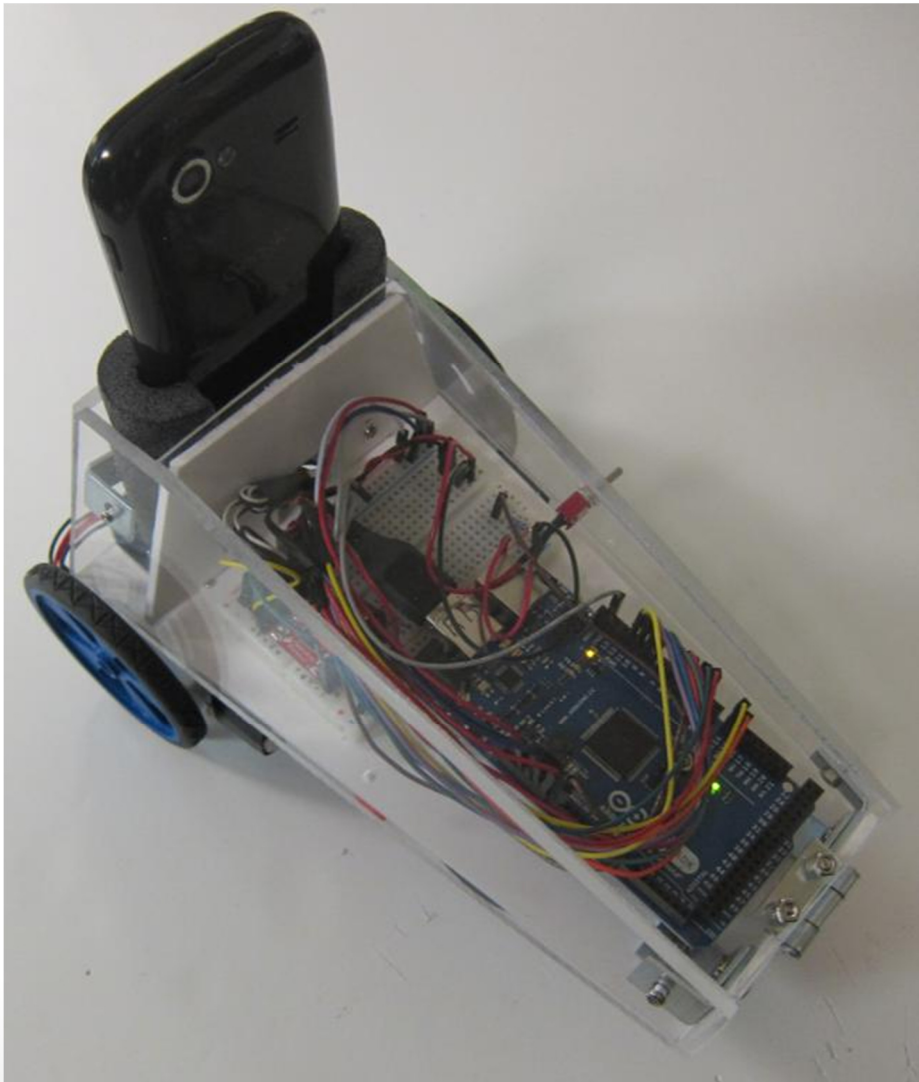
# Goal:

Develop an affordable mobile robotics platform capable of remote sensing and control.



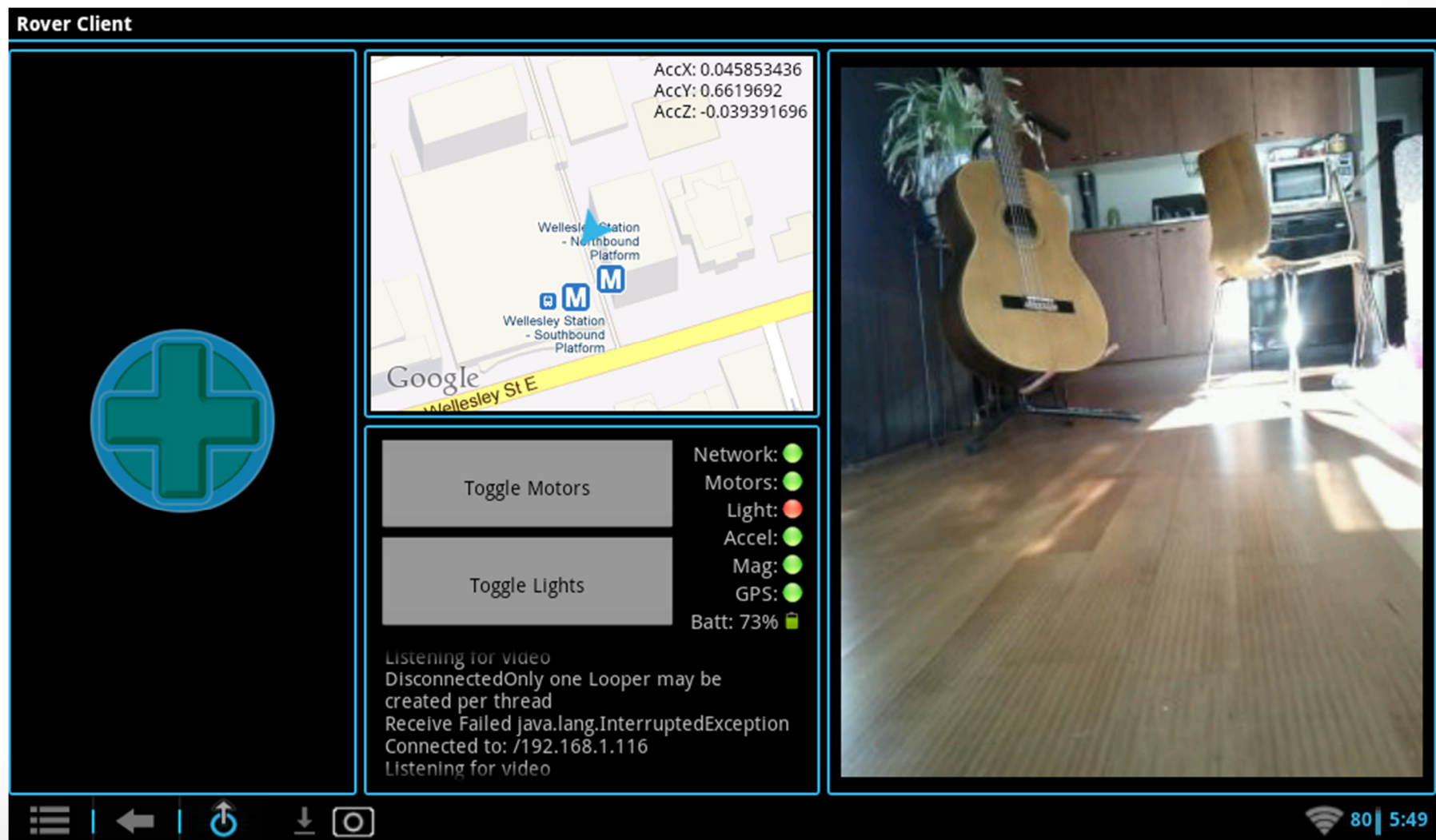


# Chassis:



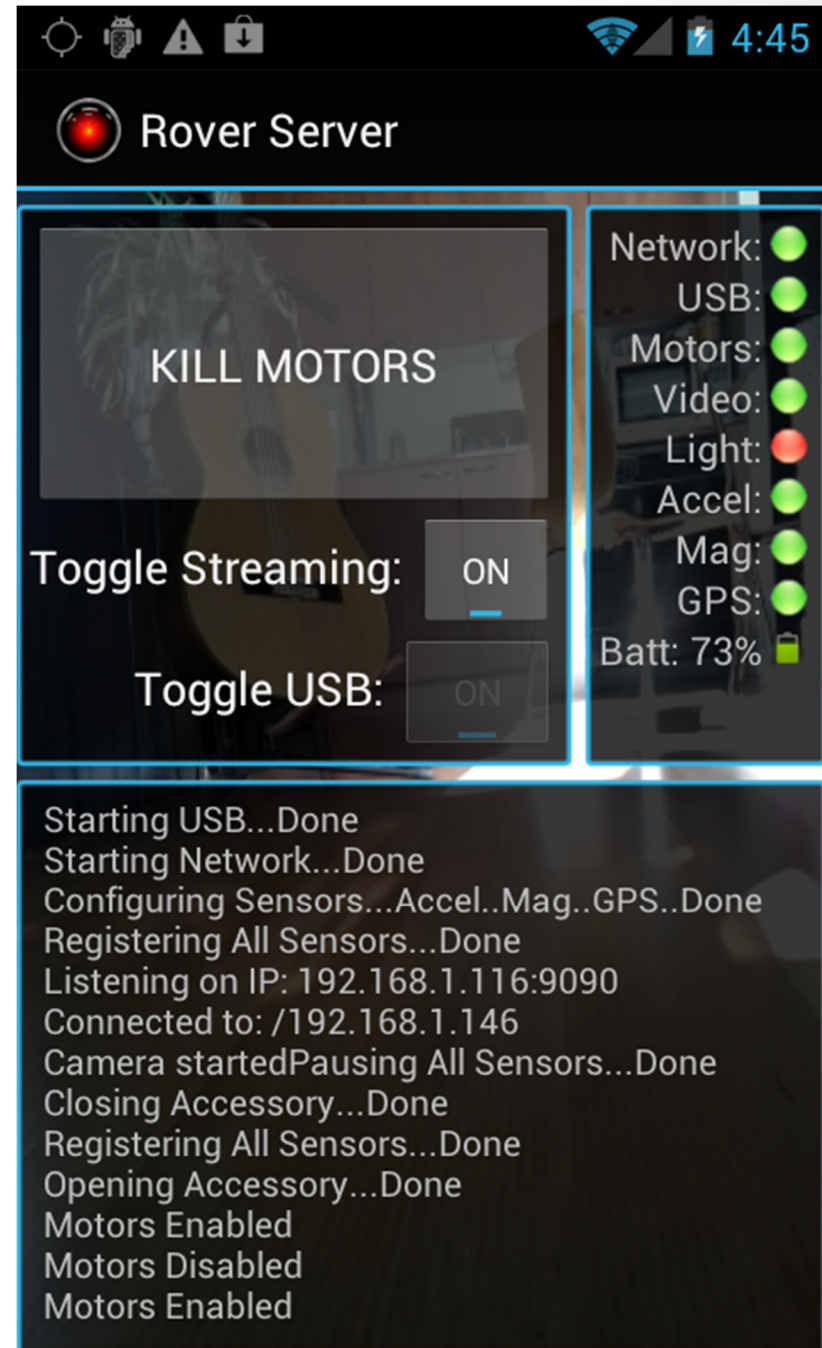
# User Interface:

- **Controller:**
  - Inputs movement commands from user via touchpad
  - Displays feedback (robot status, location/bearing, video feed, acceleration)



# User Interface:

- **Server:**
  - Displays runtime information
  - No user interaction expected



# System Overview:

