

# Lois – Autonomous outdoor robot

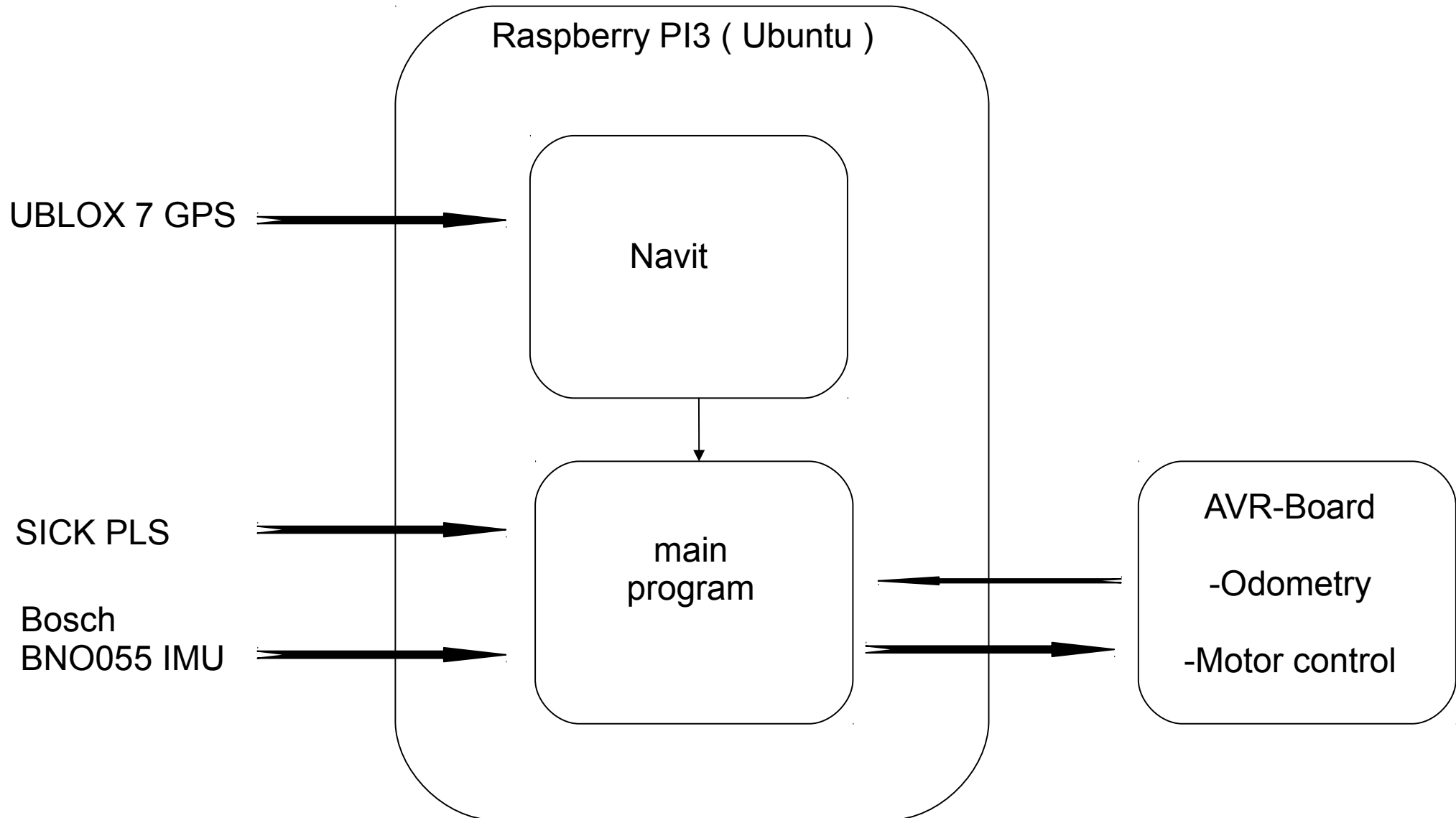


# Hardware

A custom-built mobile robot is shown from a top-down perspective. It features a silver metal frame with four black treaded wheels. The robot is equipped with various sensors, including a laser scanner, a GPS, an IMU, and a microcontroller board. The robot is resting on a light-colored surface.

- Metal frame, dc motors
- Sick PIS112 laser scanner
- UBLOX 7 GPS
- BOSCH BNO055
- Optical odometry
- AVR microkontrollerboard for motorcontrol and odometry
- Raspberry PI 3

# Software



Problems: Water, BNO055, slow driving motor and no differential

