# Garbage Bins Moers

### Hardware

| Part | Links |
|---|---|
| CubeCell AB-01 Dev-Board | Product Website |
| VL53L0X Time-of-Flight ranging sensor | Product Website |
| 2000 mAh LiPo-Battery | |



*Fig.: Garbage Bin in the IoT-Lab HSRW*



*Fig.: Sensor Module*



*Fig.: Insides of the Module*



*Fig.: Sensor Module installed in the door of the trashcan*



*Fig.: Sensor Module installed in the door of the trashcan*




*Fig.: Data Flow*

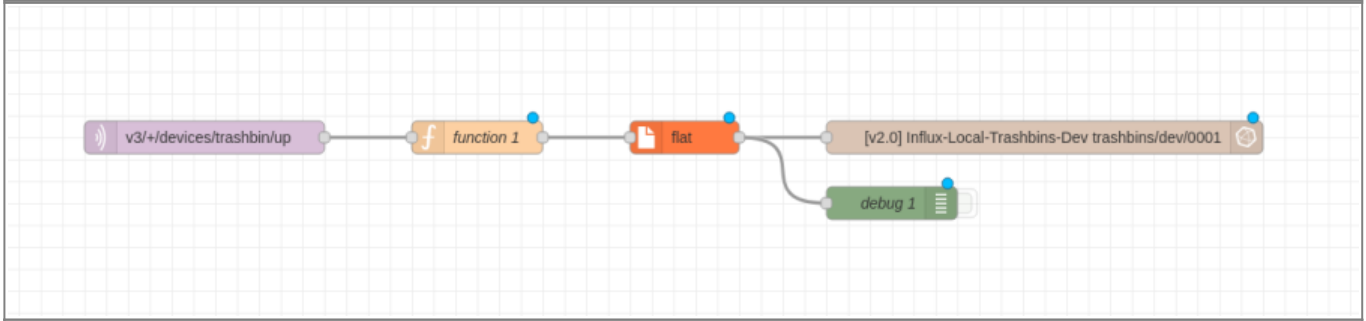



*Fig.: Node-Red Flow*

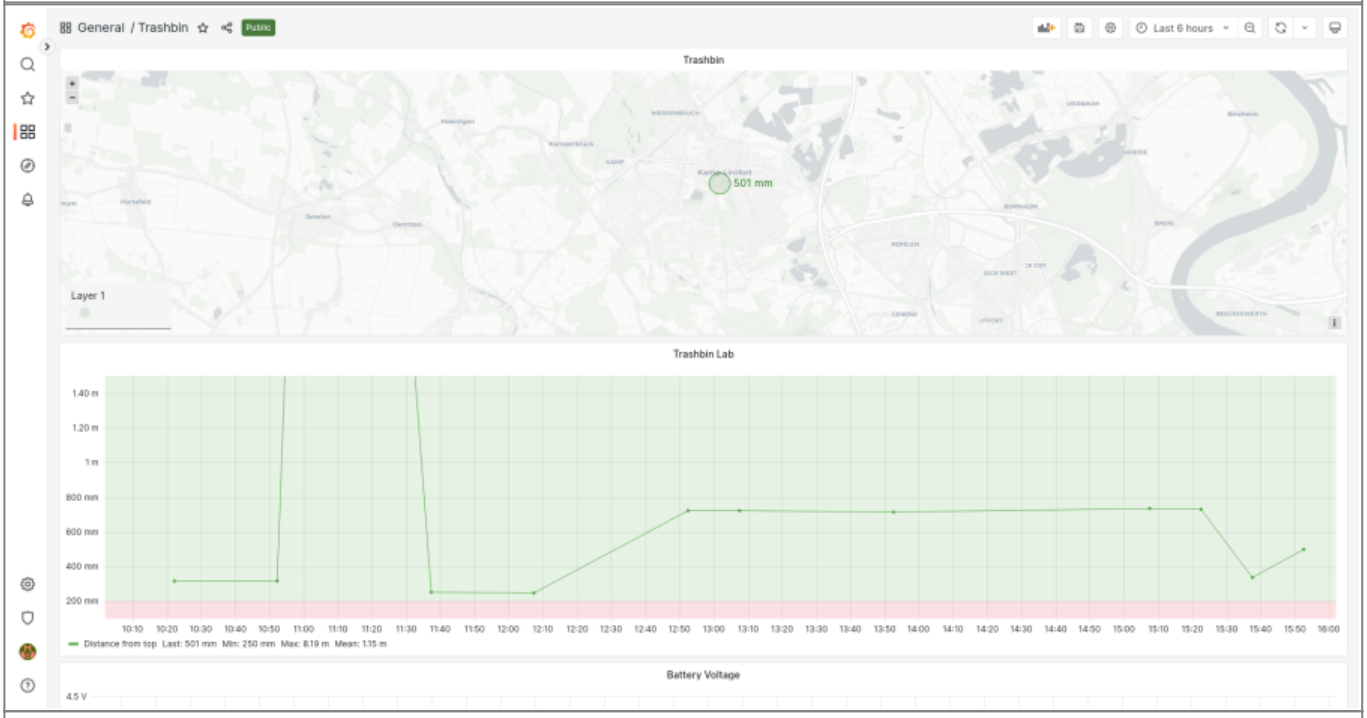



*Fig.: Grafana Dashboard*

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Last update: **2023/03/16 16:31**