

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

Software

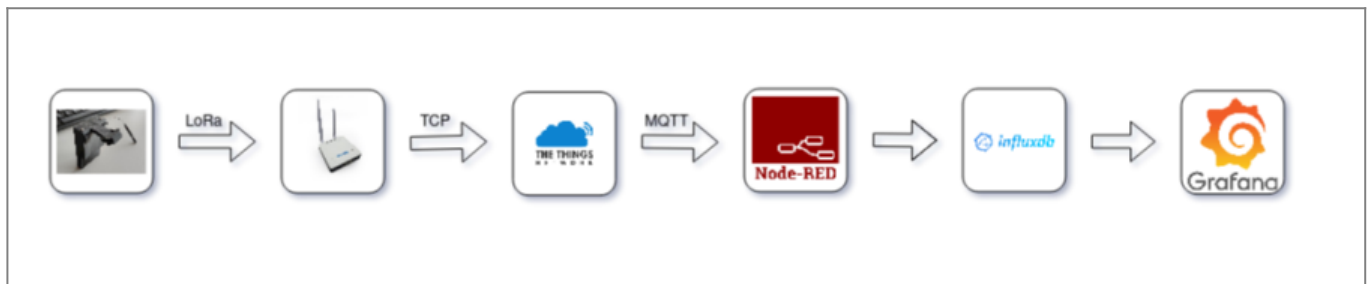


Fig.: Data Flow

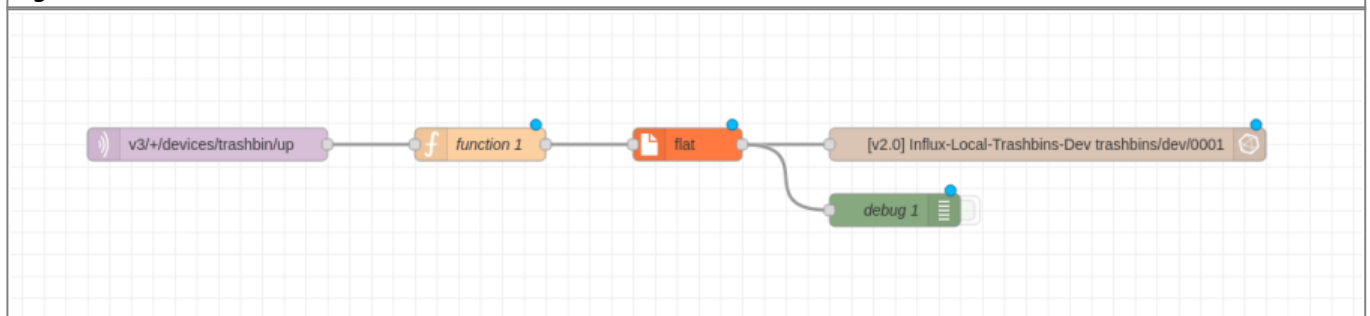


Fig.: Node-Red Flow

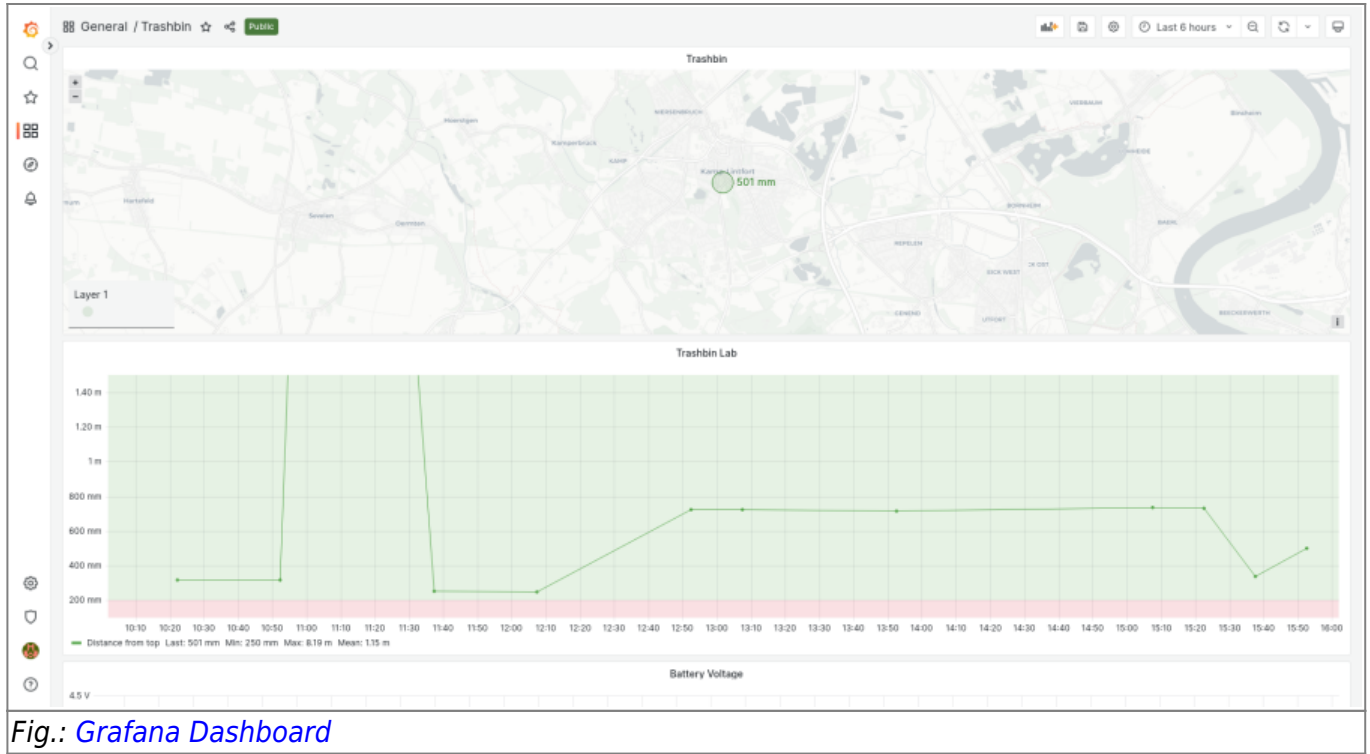


Fig.: Grafana Dashboard

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