

finale Presentatie

Air Quality Control Sensor 2





Introductie Teamleden





- Jira
- Testing
- Hands On
- Front-End
- LoRaWAN
- Frame



Quinten Van Ginderen

- Programming Sensors
- Hands On



Vital Volckaerts

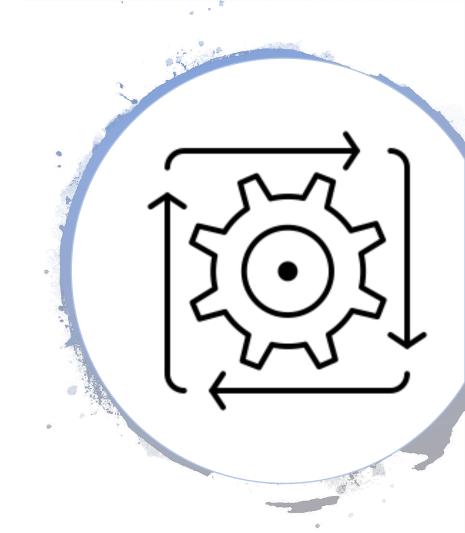
- PCB Design
- Testing
- Programming Sensors

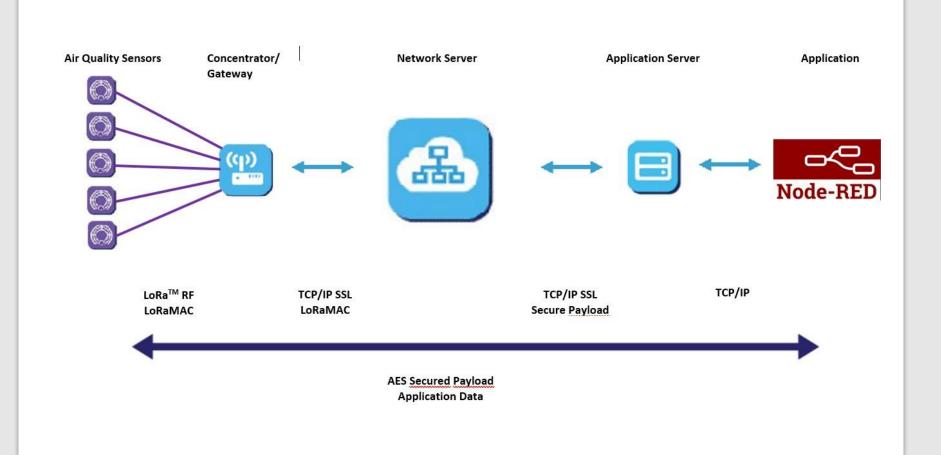


- The Port of Antwerp wil milieuvriendelijker worden
- Hoeveelheid fijn stof over de haven in kaart brengen
- LoRaWAN al uitgerold over de haven
- Sensoren zijn nog niet aanwezig

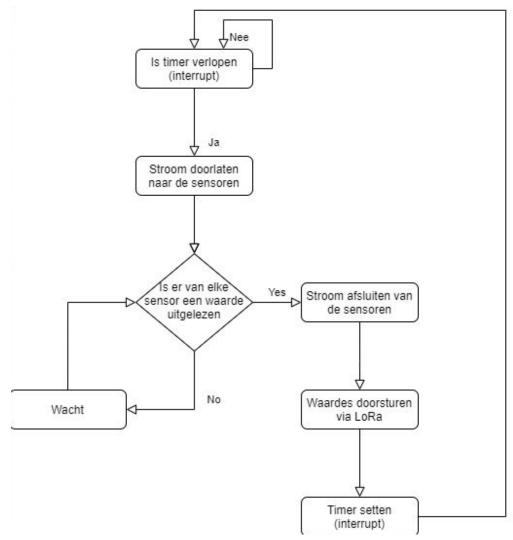
Algemene Workflow

- Uitlezen van sensoren
- opsturen naar de back-end (The Things Network)
- weergeven in web applicatie (Node-Red)

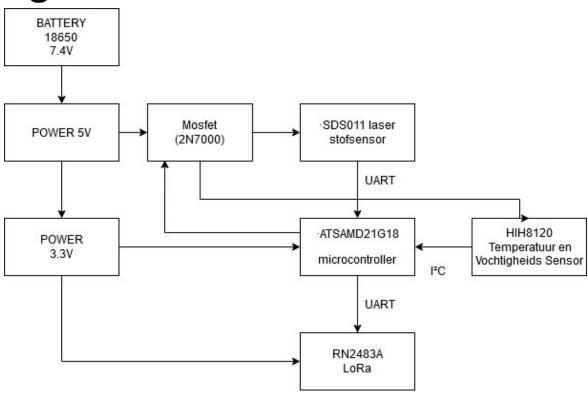


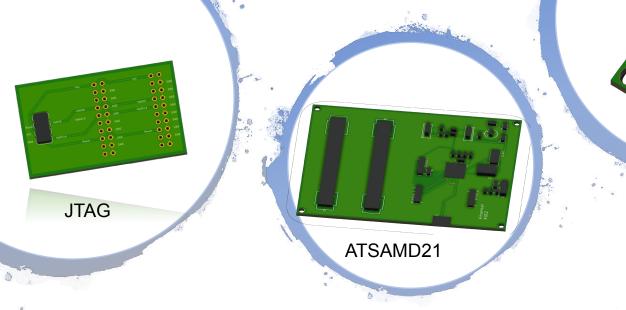


Flowchart

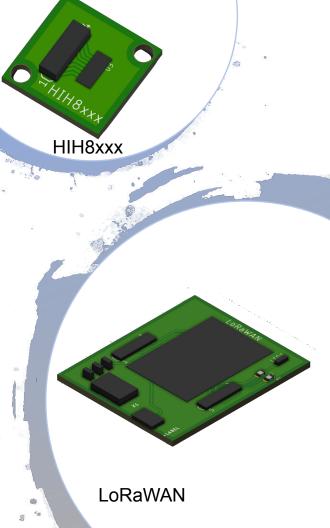


Blok-diagram

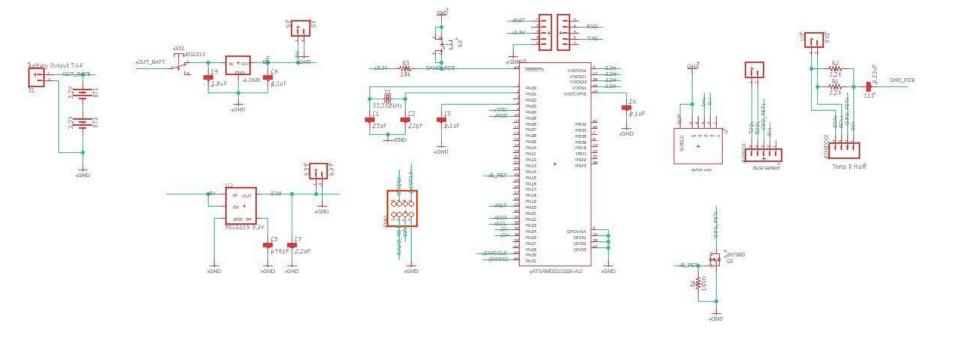




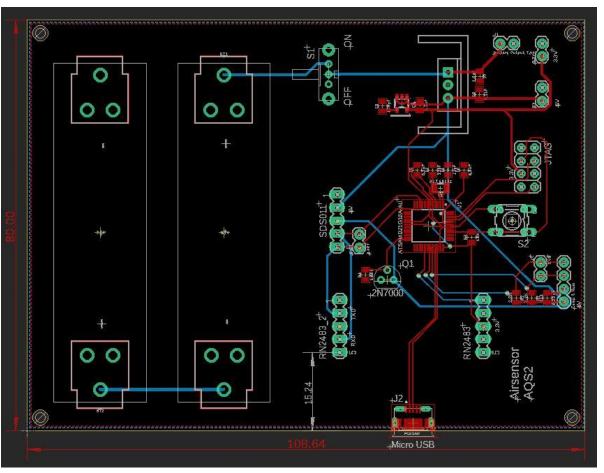
Hardware Versie 2



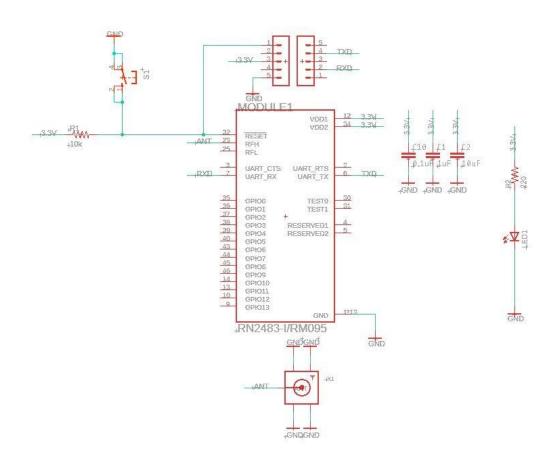
Hardware Schema AirSensor



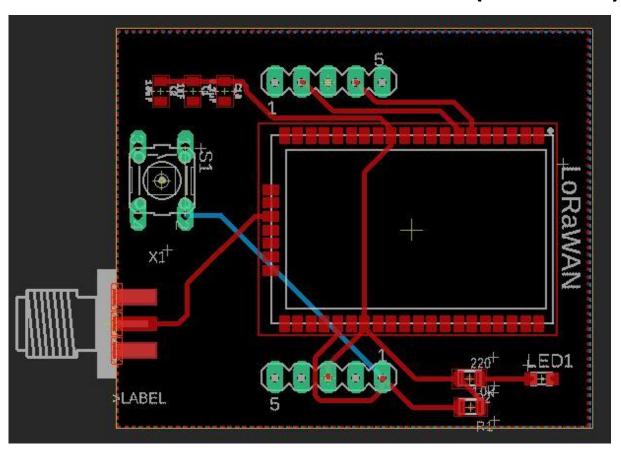
Hardware PCB AirSensor



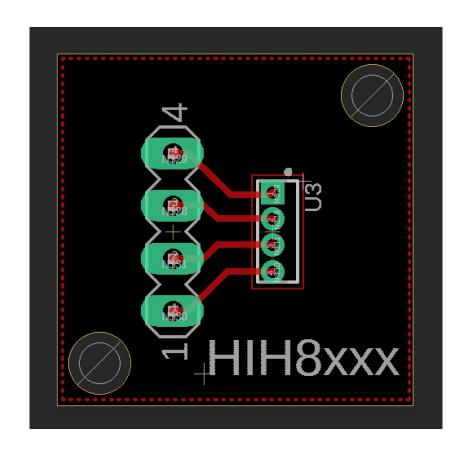
Hardware Schema LoRaWAN (RN2483A)

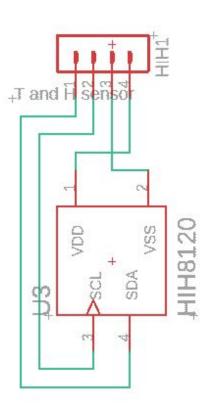


Hardware PCB LoRaWAN (RFM95)

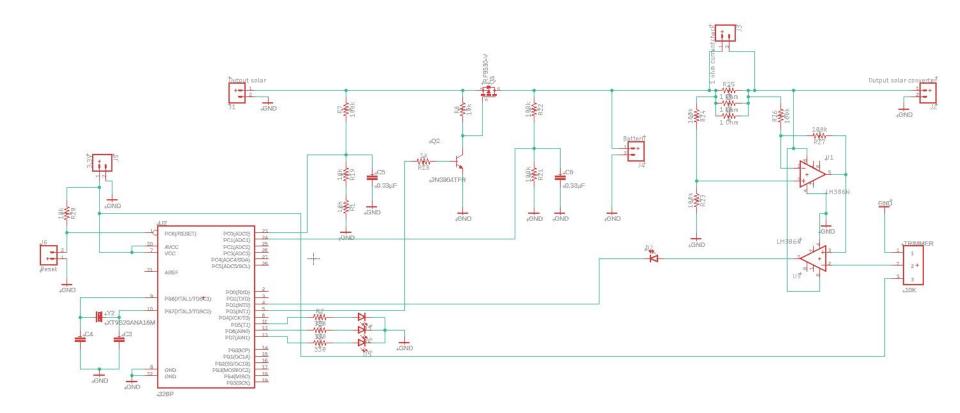


Hardware Schema/PCB HIH8xxx





Hardware test fase Zonnepaneel

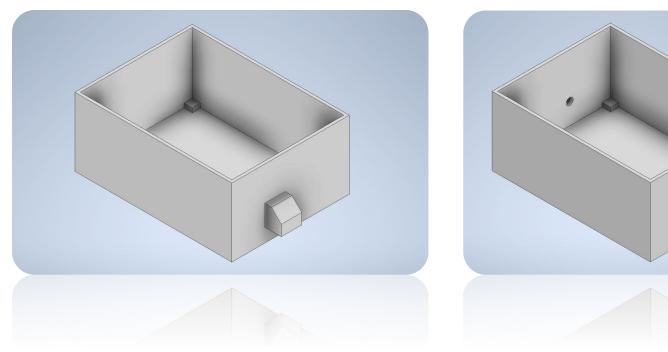


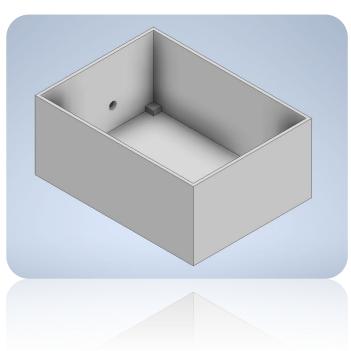
Frond-end

Node-Red application

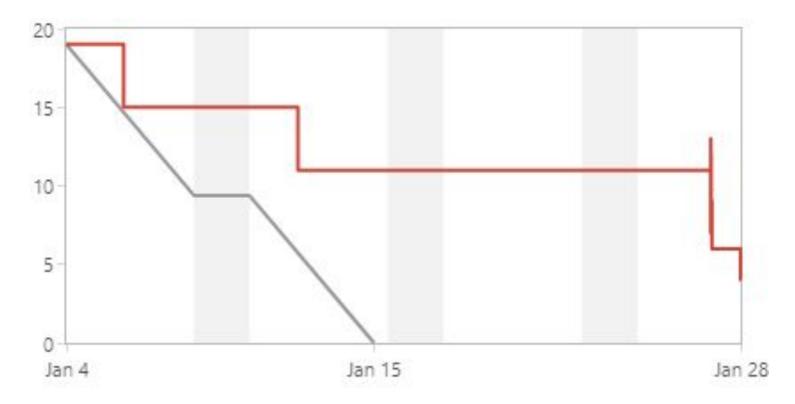


3D Print



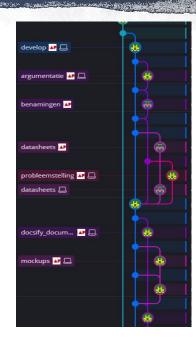


Burndown chart



GitFlow

- Master en Develop branch
- Branch op Develop per jira-issue
- Na elke sprint Develop => Master





- Leuk en leerrijk project
- Communicatie met teamgenoten lag goed
- Snellere overstap naar RN2483
- Moeilijkheidsgraad van testen lag te hoog (ATSAMD21)