

# Pelletstove Automation

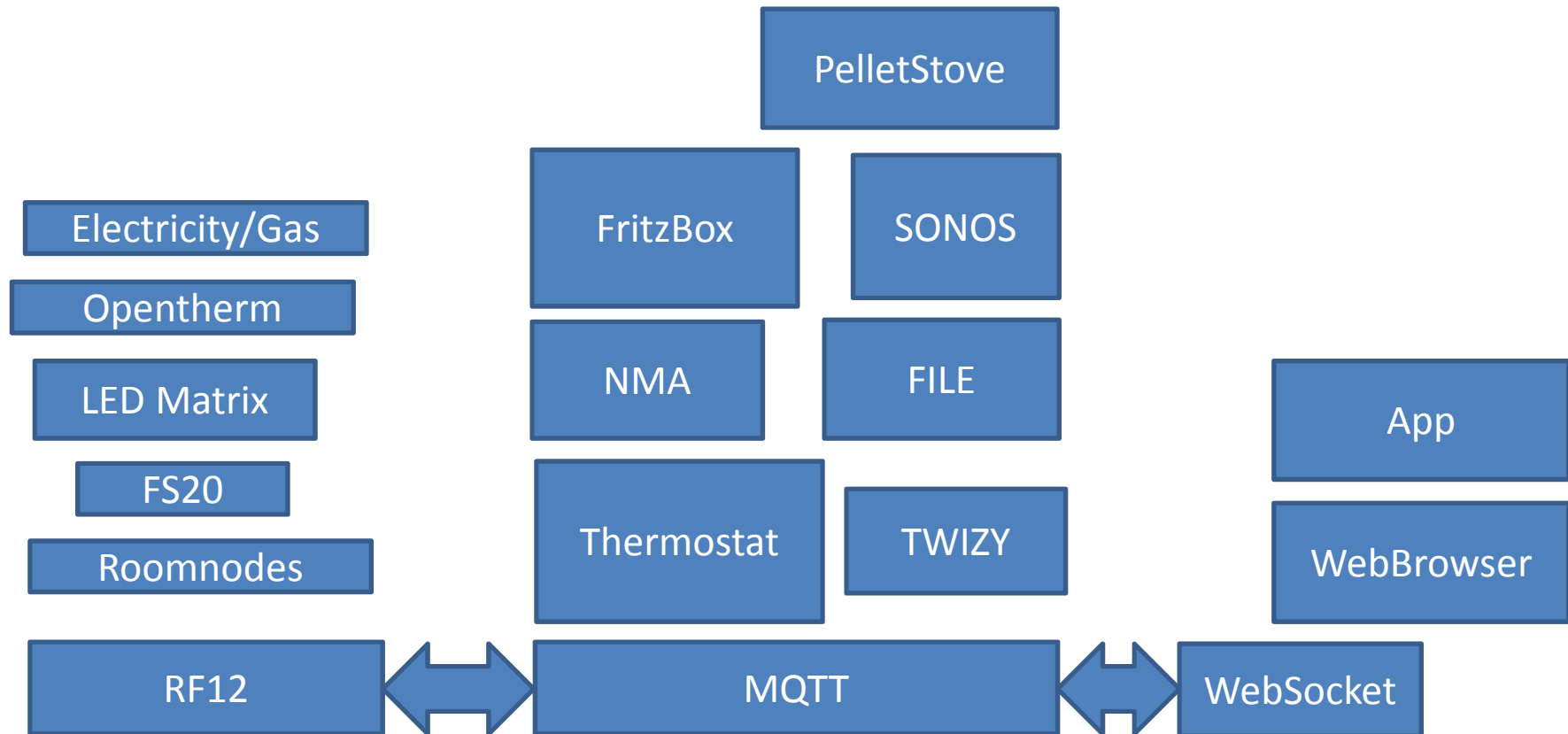
Pieter Meulenhoff,

<http://www.meulenhoff.org>.

pieter@meulenhoff.org



# Current Setup



# De situatie

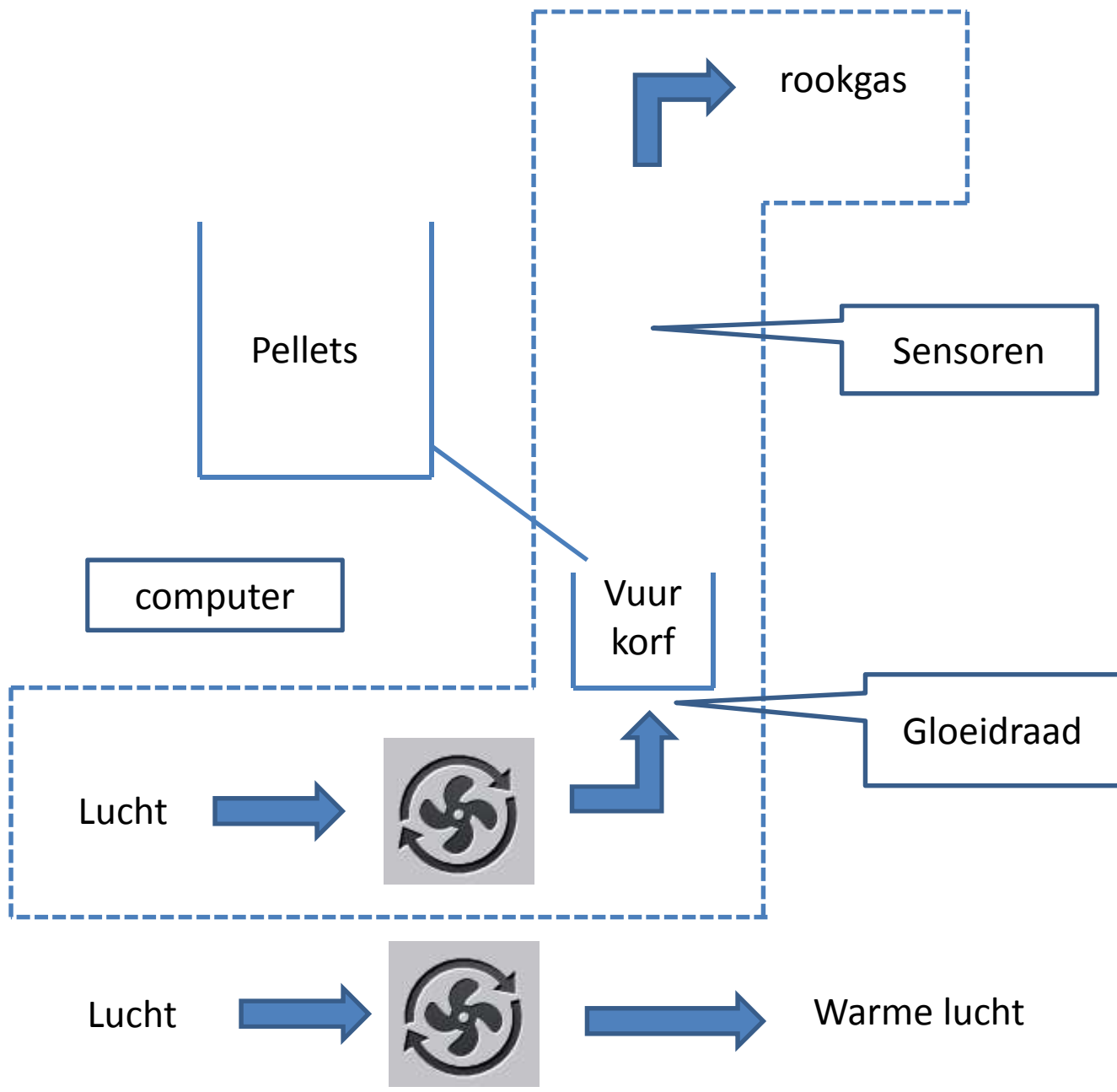


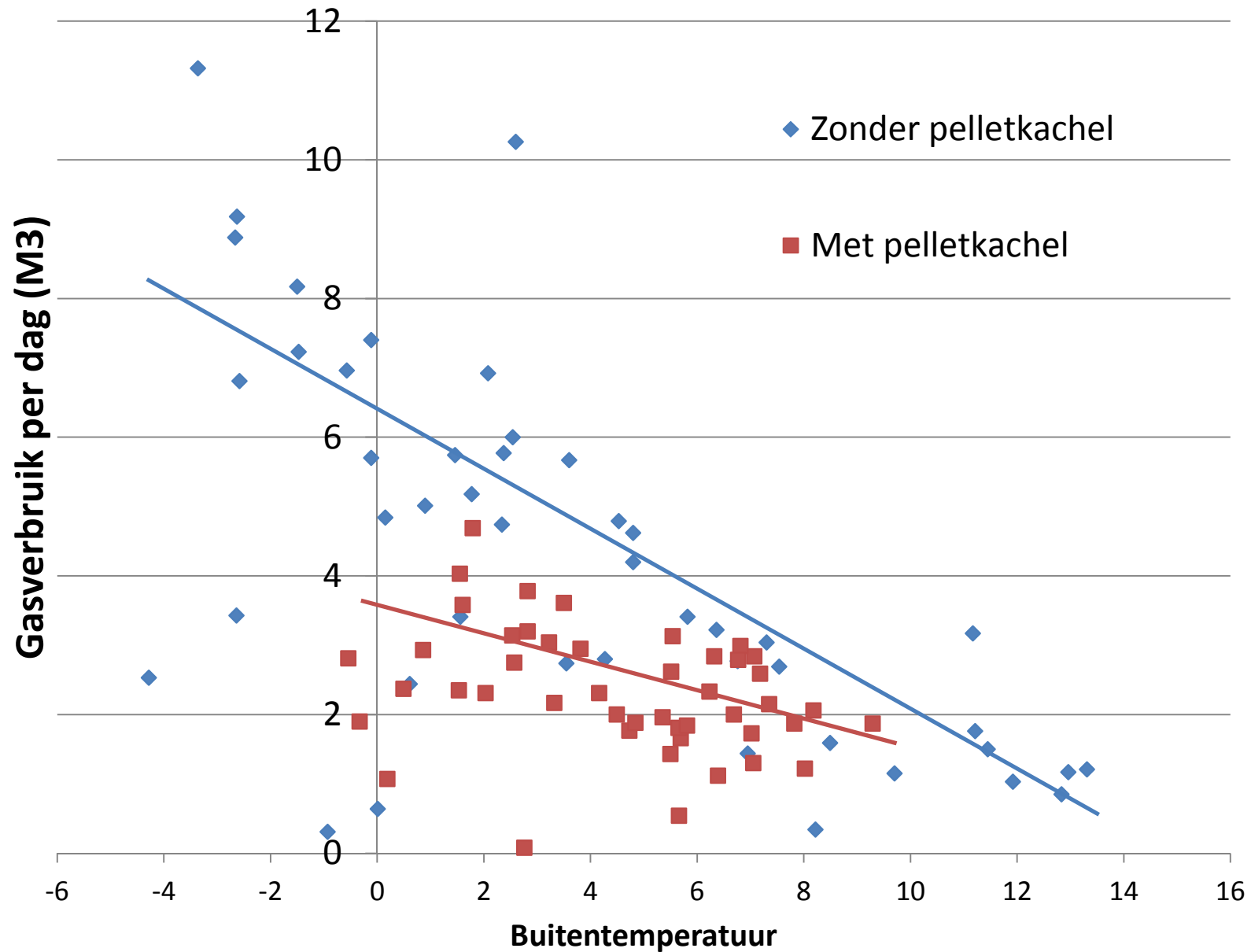
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# Pelletkachel

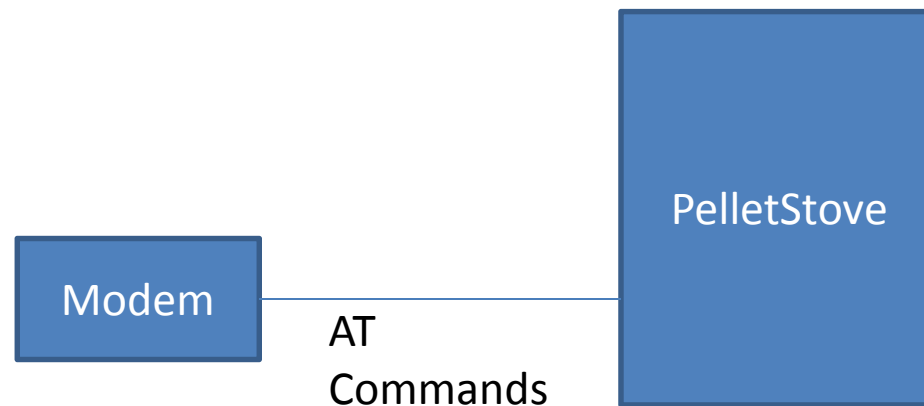






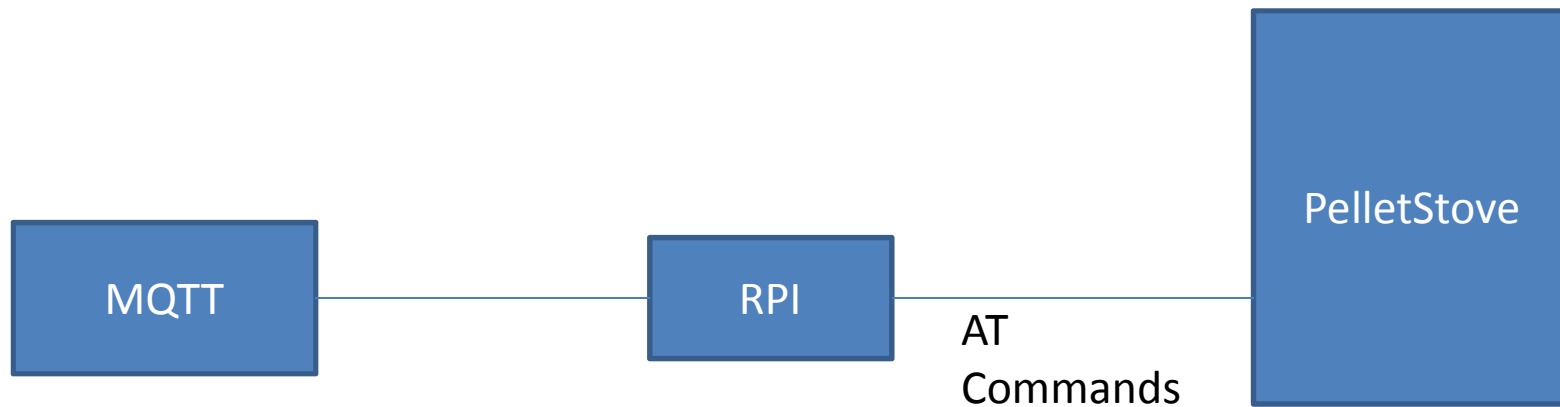
# Automating the PelletStove

- Most Pellet Stove have some serial port
- Connect a proprietary SMS module for remote control



# Implementation

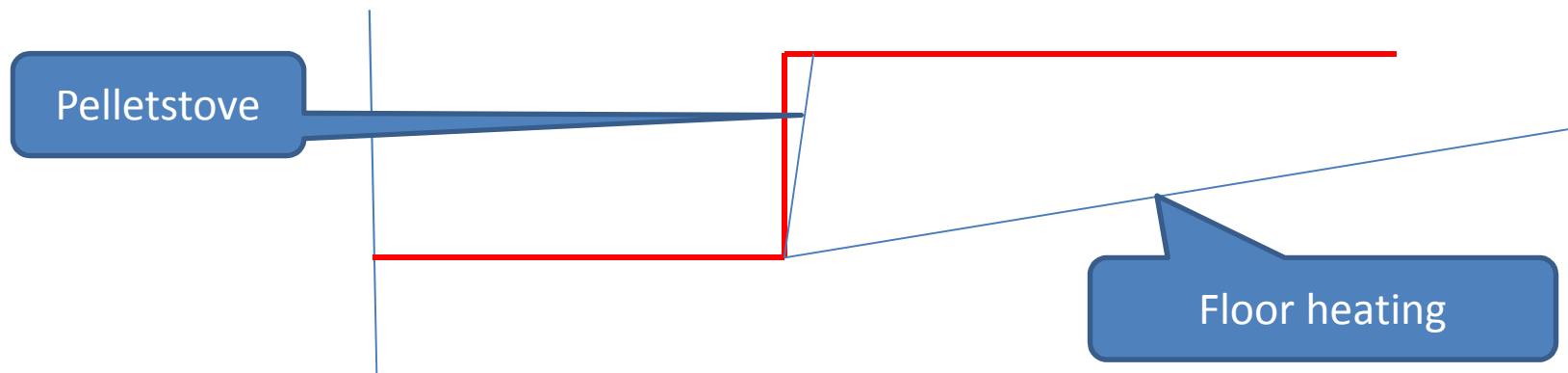
- Raspberry PI with a USB to serial connector
- Javascript in NodeJS
- Version for OpenWRT





# Problems

- MQTT Messages with desired temperature
- Floor heating, Boiler, Pelletstove listen to these messages



- Result: Cold floor (floor heating needs to run for a longer time).

# Piazetta Pelletstoves

- I got feedback from a few owners of Piazetta Pelletstoves (all from Belgium?)
- Interface is TTL
- Protocol Unknown (5 byte messages)