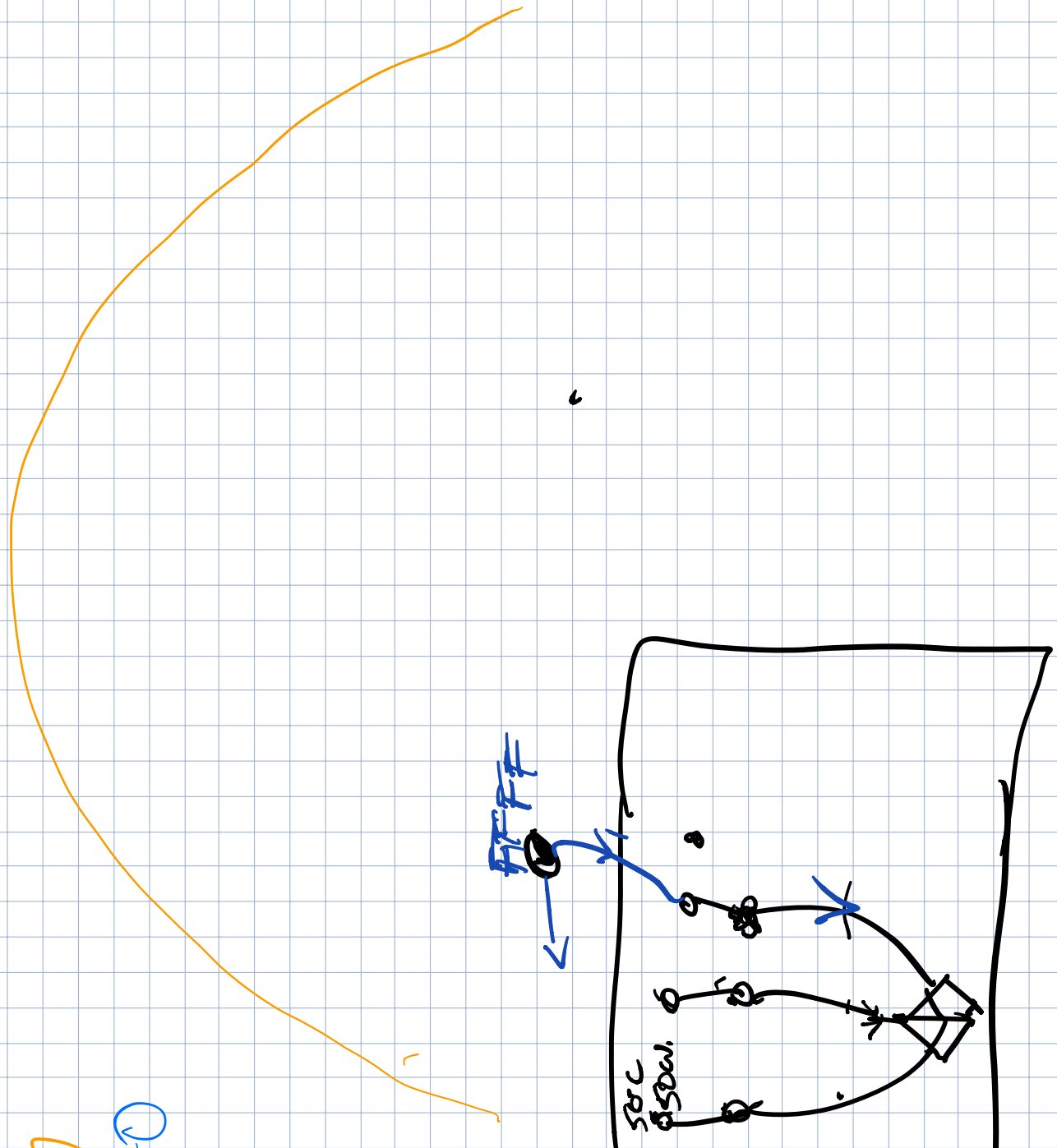
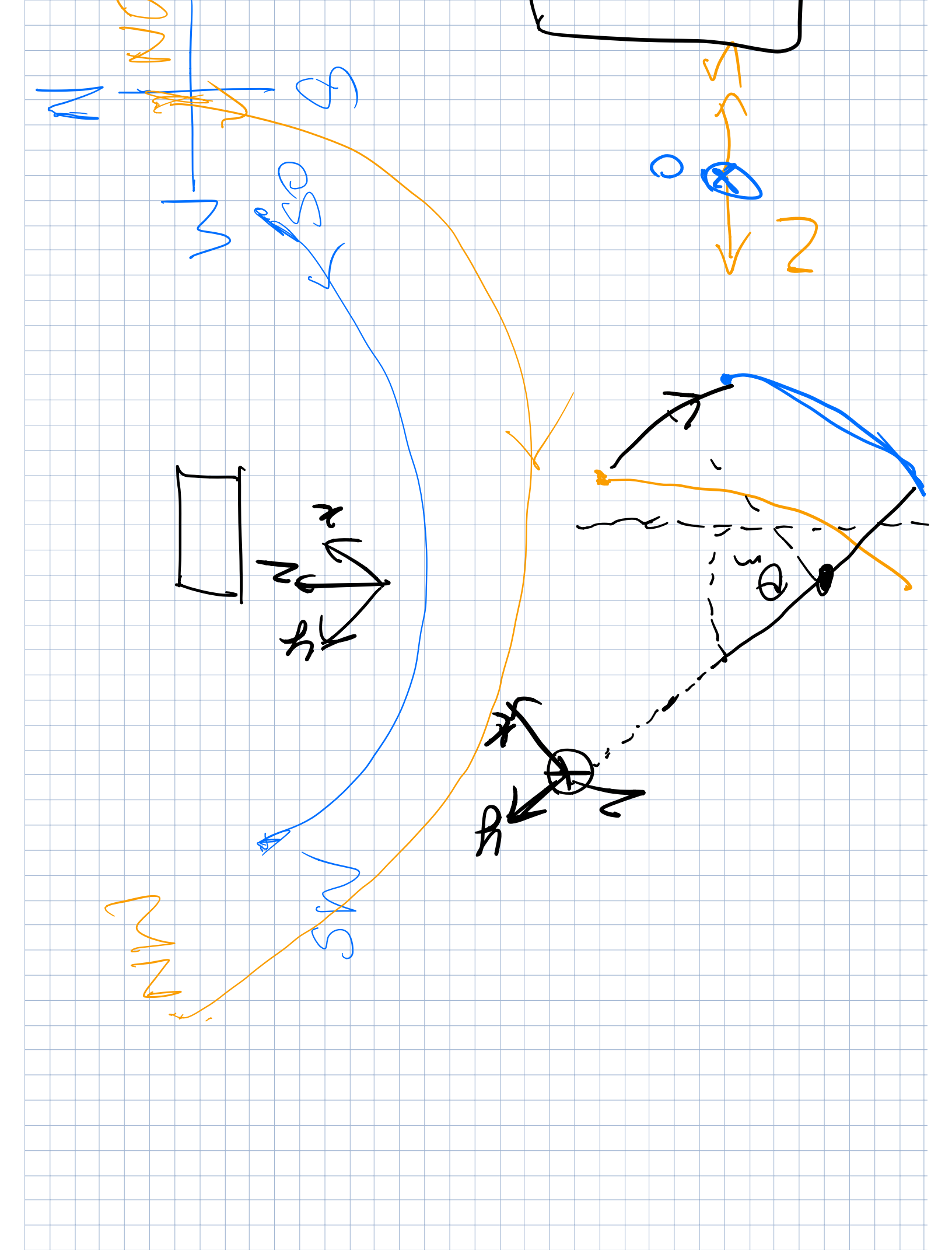
Automated Sensor Panel Farm with tracking

- Base Station with GUI
  - → Real time data sharing ✓time





1. Application: Automated Solarpanel Farm with tracking

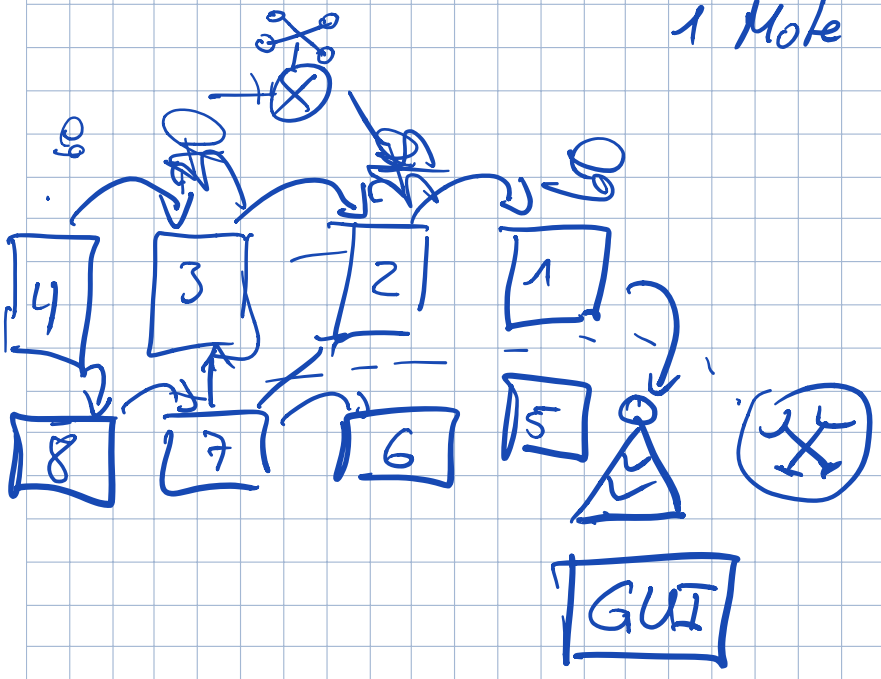
2. Sensors & Motes:

1 Base Station with GUI

1 Mote measure the wind

8 Motes measure - temp.
- power
- control angle dep. clock

1 Mote maintenance - manual operation with joystick



3. - Multihop Network from Solar Panel to Solar Panel to base station
- Dynamic Routing Table
- self organizing Network

if one drops out, information is routed via another route → dynamic routing table

4. Graphical User Interface

- Shows: - time + wind speed
  - angle
  - temperature + power (lux)
  - routing
  - location of worker
  - arrangement of solar panels

5. angle, temperature, power (lux) } time driven send every min
   wind speed (force sensor)

   overtemperature, high windspeed } event driven → overtemperature turn 90°

→ minimize energy/bit