FLORJA
- LoRaWAN
- Internet
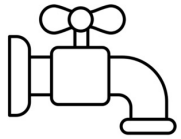- External data

∅

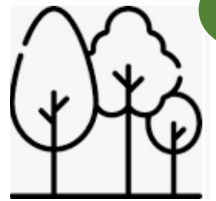ONE Water supply

W

INTELLIGENT, AUTOMATED IRRIGATION

W = Watermeter
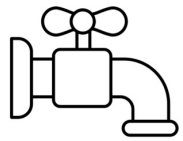- Each watering process can be measured and documented (optional)

S

S

S

S

S = Humidity-Sensor
- Intelligent Irrigation

🕐 = timer
- Timed irrigation
- Ad Hoc irrigation
- …AND any combination

1. Intelligent Irrigation
- Each watering process can be measured and documented (optional)
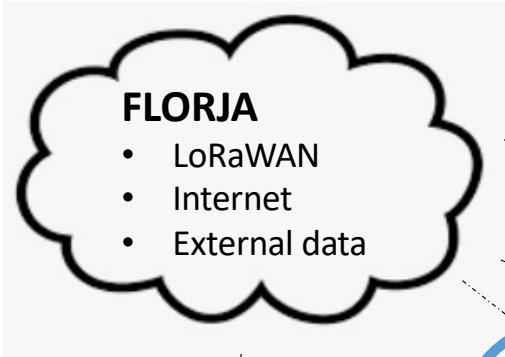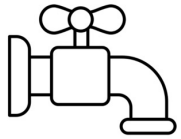
2. SCHEDULED
- Fixed times / day

3. Ad-Hoc
- The watering process can be started manually at any time via the app (take radio interval into account).

IRRIGATION POSSIBILITIES

Any combination of 1.), 2.) and 3.)

FLORJA
- LoRaWAN
- Internet
- External data

S

∅
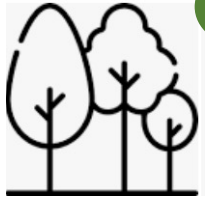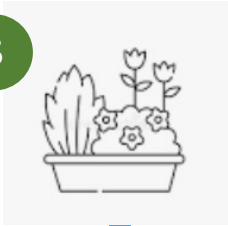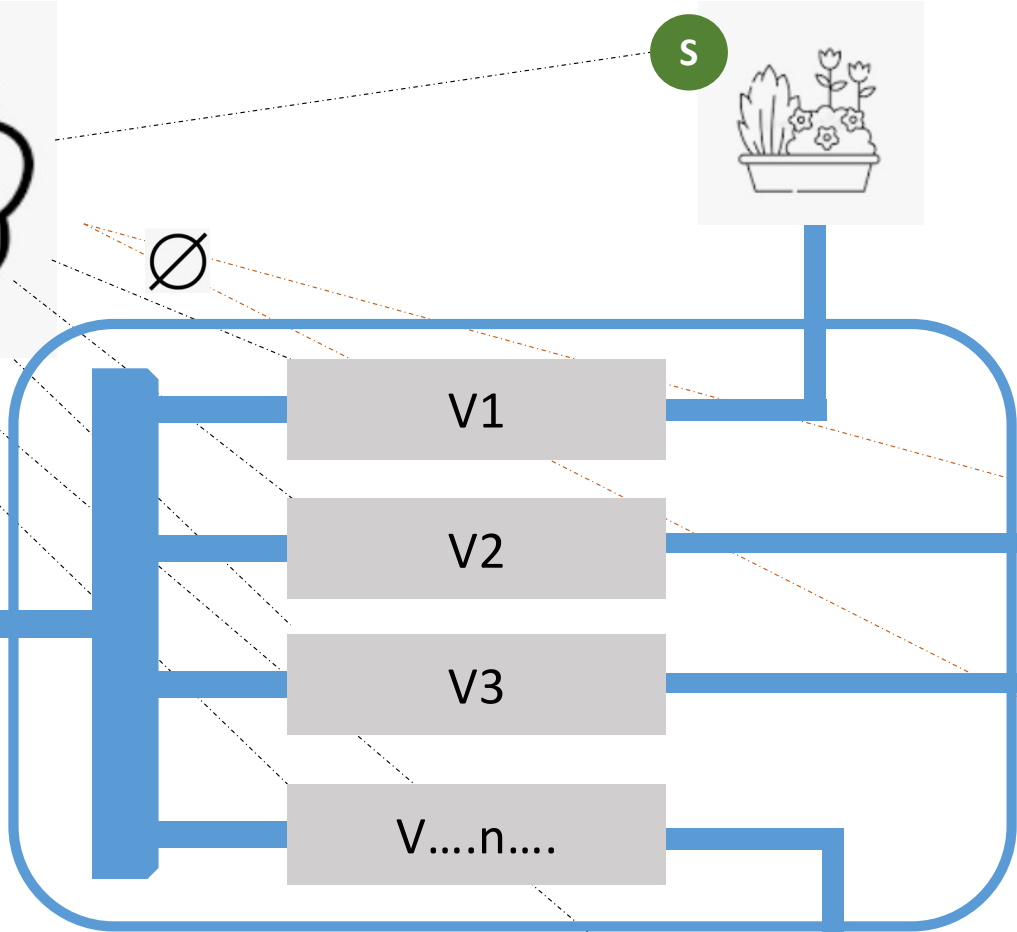
ONE Water supply

W

W = Watermeter
- Each watering process can be measured and documented (optional)

V1

V2

V3

V....n....

S

S

S

V = Solenoid Valve (9V)
- No system limitation regarding the number of valves
- Sequential watering, with PRIO allocation if desired

S = Humidity-Sensor
- Intelligent Irrigation

= timer
- Timed irrigation
- Ad Hoc irrigation
- ...AND any combination

FLORJA
- LoRaWAN
- Internet
- External data

∅

V1

V2

V3

V....n....
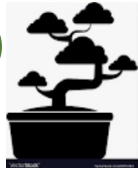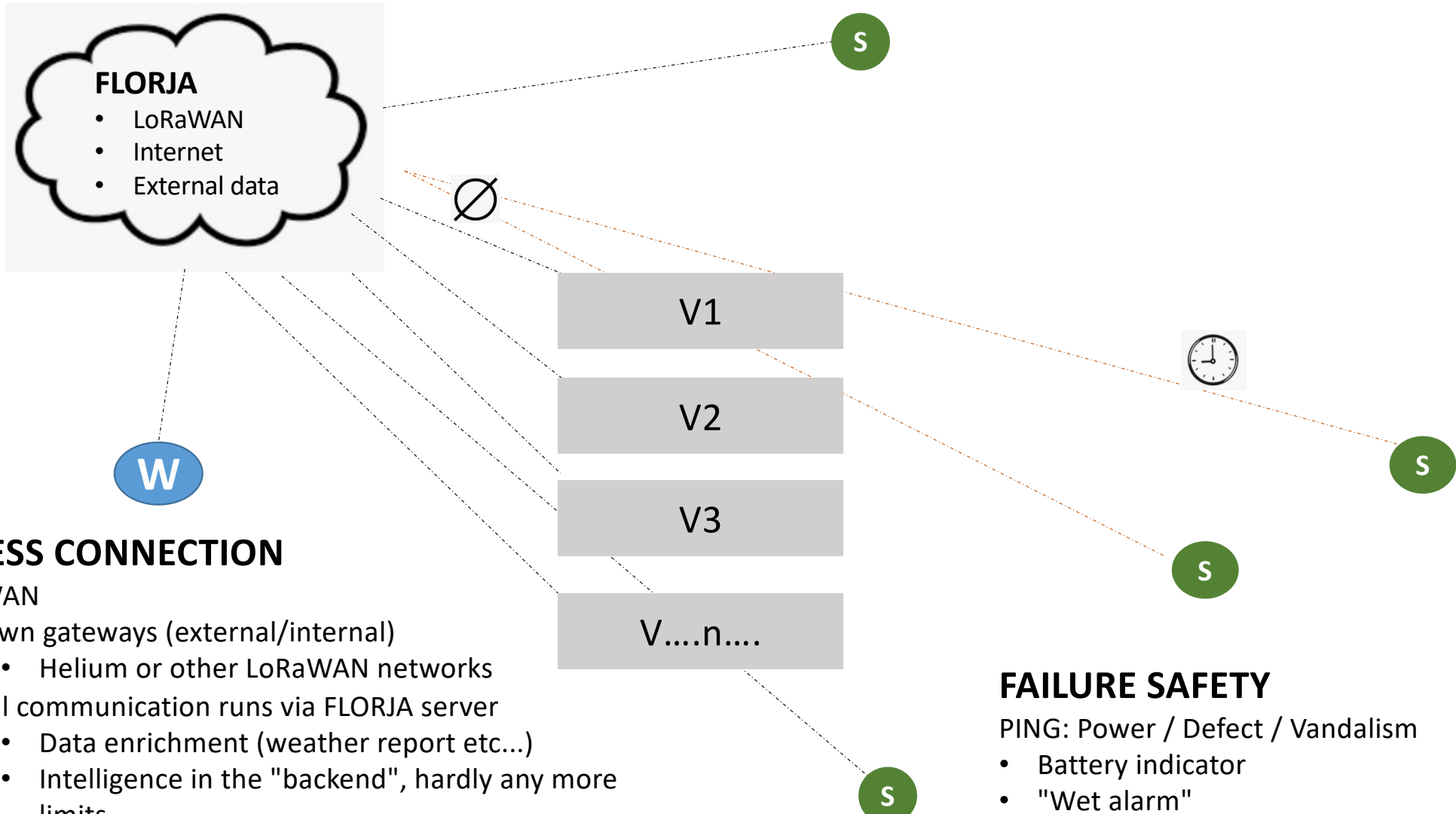
WIRELESS CONNECTION
- LoRaWAN
  - Own gateways (external/internal)
    - Helium or other LoRaWAN networks
  - All communication runs via FLORJA server
    - Data enrichment (weather report etc...)
    - Intelligence in the "backend", hardly any more limits
- Time delays depending on transmission interval
- Integration with many web based systems

FAILURE SAFETY
PING: Power / Defect / Vandalism
- Battery indicator
- "Wet alarm"