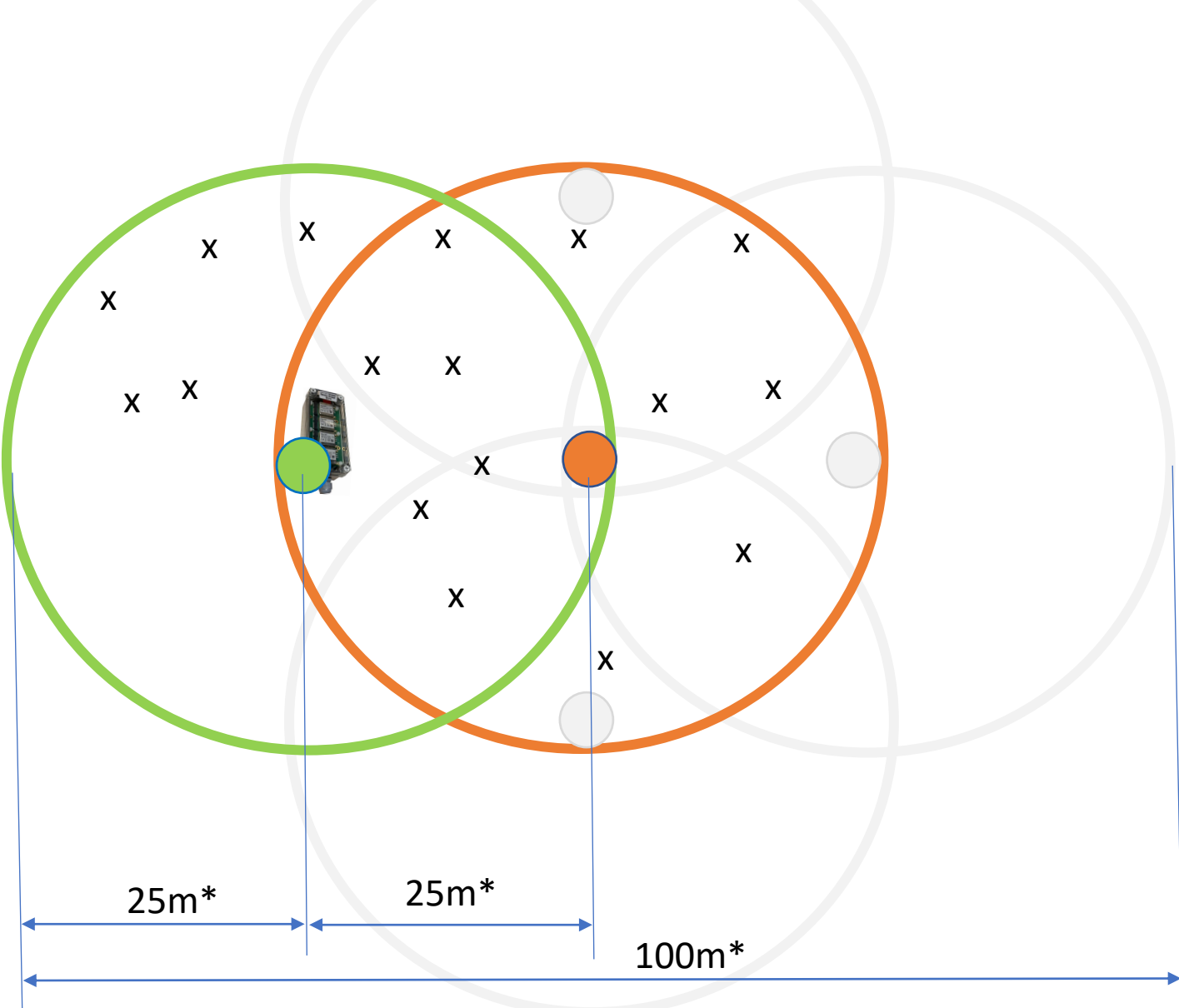# iQunet architecture

Typical setup with

Wireless Bridge

(self-triggering)

SubGHz

iQunet® Typical Bridge Range and Layout*

- 🟠 Sensor Base Station (+ iQunet Server)
- 🟢 Bridge
- x Other sensors
- ⚪ Possible extensions (Repeaters or other Bridges)

(*) Radio ranges are indicative. Plant topology like walls, ceiling, metal covers and machines could influence the radio range positive or negative. Mounting of the sensors and sensor network components shall be made according to iQunet instructions.

25m*   25m*

100m*

iQunet.®

Wireless Setup (AC current monitoring)

SubGHz

SubGHz

iQunet **Wireless Sensor Bridge**
(incl. Repeater function)

(optional 3 current AD-modules installed)

24VDC

BS-BOX
Sensor Base
Station Box

5m shielded
USB cable

iQunet Server
(sensor management
& local storage)

SQL

OPC UA

Embedded
OPC UA server

Server Box
24VDC powered **

24VDC

AC Current Clamps (100A, 300A or 600A)
(waveforms & spectrum)

Customer network (Wifi/Eth): VLAN, VPN, …
(optional: iQunet LTE modem (PoE))

**iQunet Sensor
Dashboard**

optional:
- AI-ML Anomaly Detection service
- iQunet CloudLink service
- Google Data Studio dashboard