Smart Home

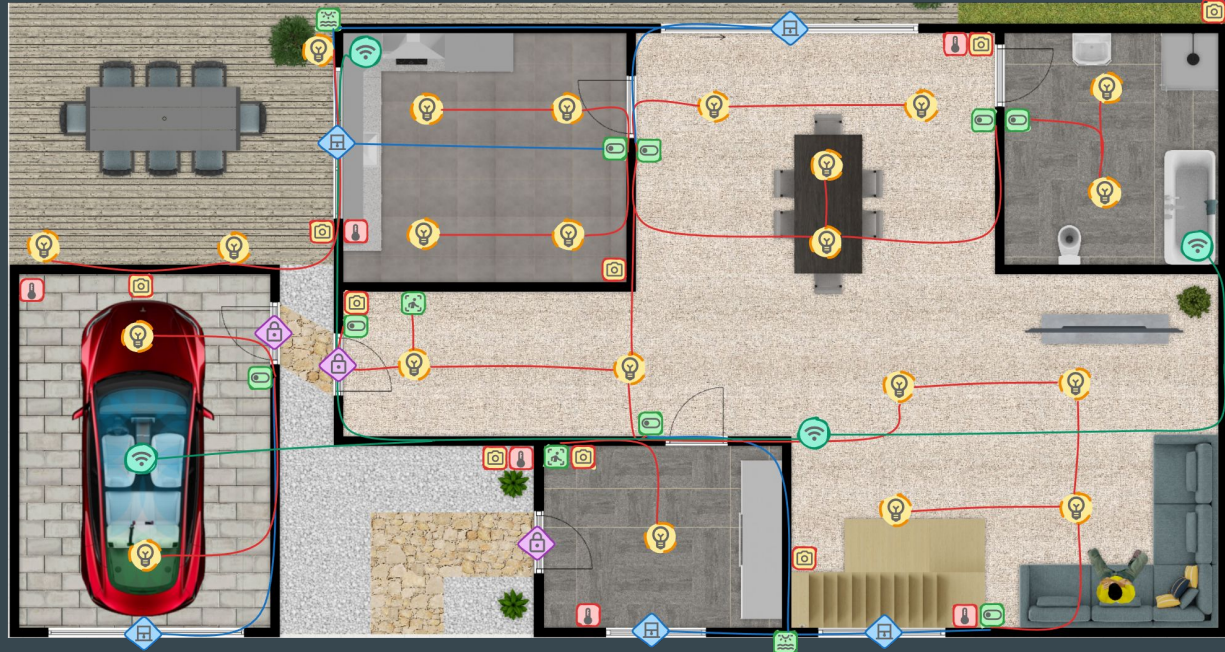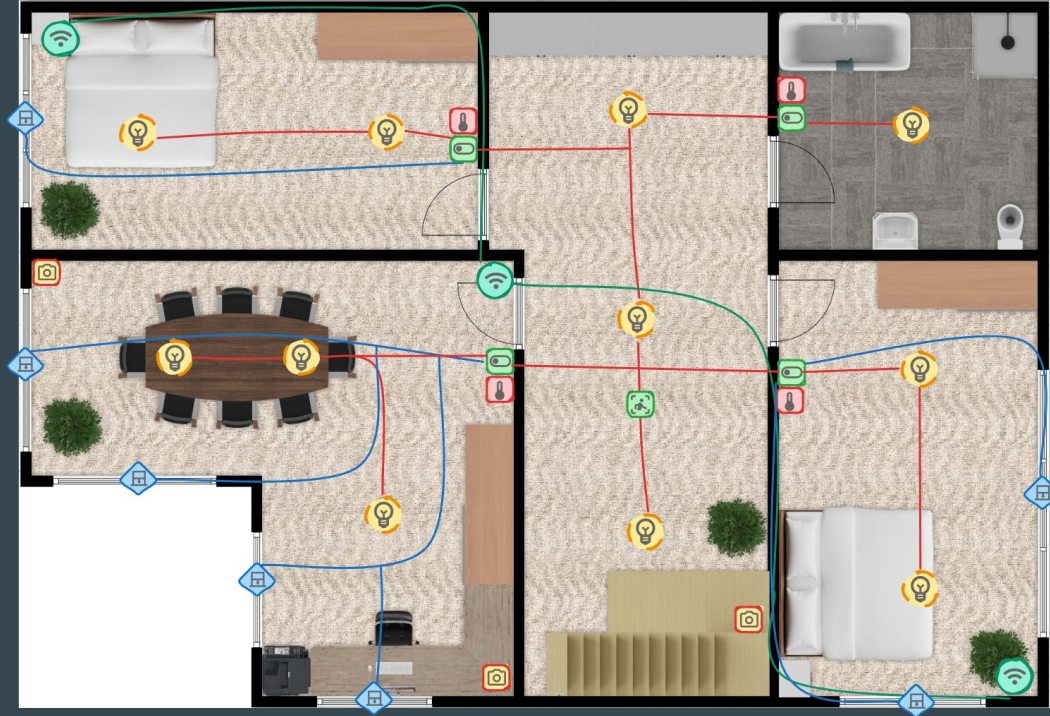● ● ●

Ubiquitous Computing WS24/25

Ground floor

- Garage
- Terrace
- Kitchen
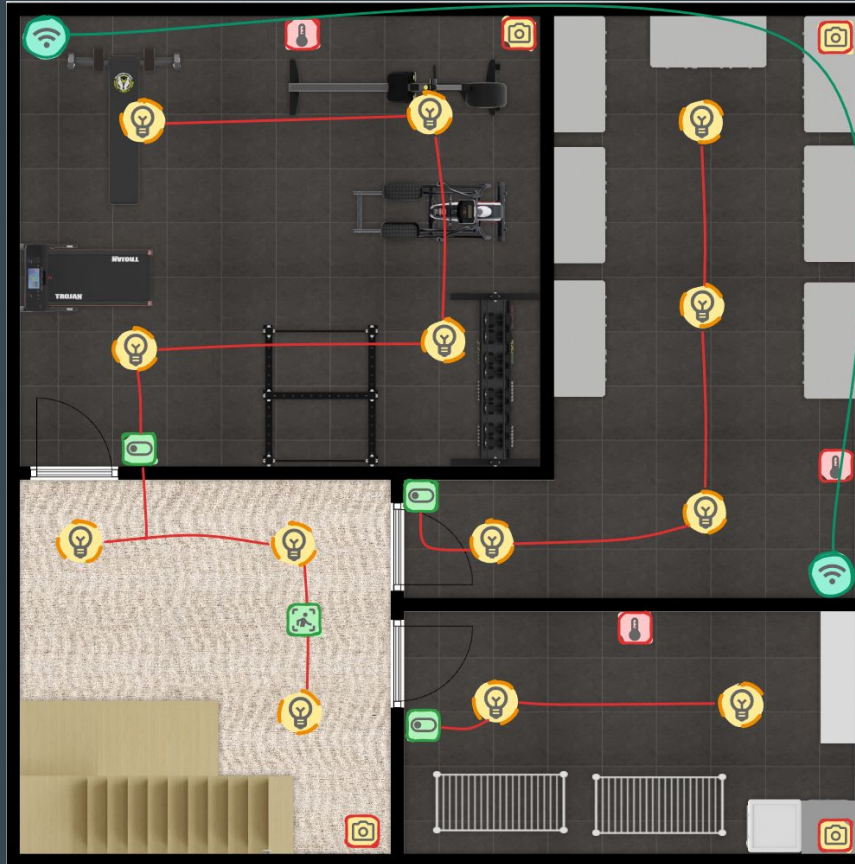- Bathroom
- Living room

First floor

- 2x Bedrooms
- Office
- Bathroom

Basement

- Gym
- Washroom
- Dressing room

Smart Light - Philips

- interface to Home Assistant
- RGB Light

Sensors - UltimateSensor

- Presence Sensor
- Air quality Sensor
- Temperature Sensor

Heating Control - Tado

- Smart thermostats
- radiator controls

Roller shutter - Somfy

- Motor
- Central Control Unit

Cameras - UniFi

- Wi-Fi or LAN + PoE
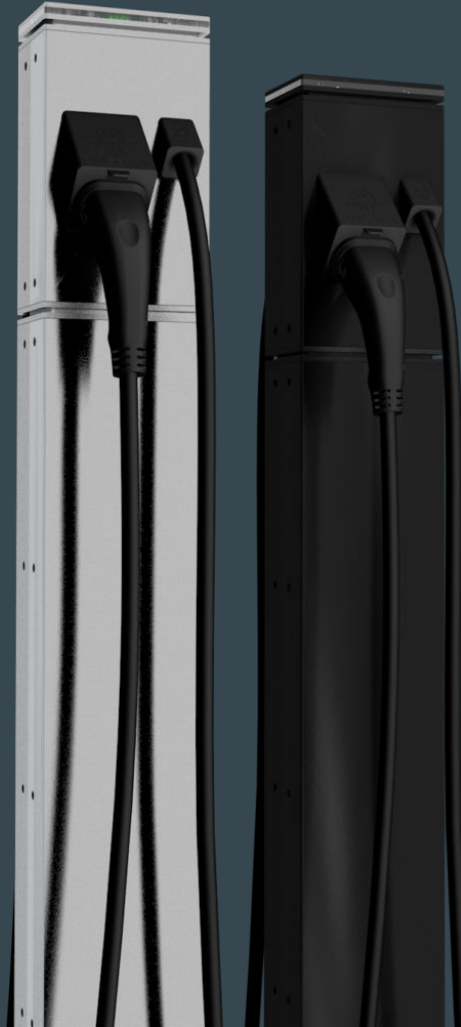- Smart Detection
- Local Storage
- Security

Access Points - UniFi

- Wi-Fi 7 + WPA 3
- Wi-Fi Coverage (Meshing)

Wall Box - Pulsatrix

- Smart charging
- Dynamic Load management
- 22 kW

Home Server

- NAS
- Router Gateway
- Home Assistant
- MQTT Broker

Central Control Panel

- Fire Tablet
- Docking Station
- Home Assistant Dashboard