

Smart Greenhouse

Embedded System Laboratory

กลุ่มนิสิตชั้นสูง



Outline

01 - What is it?

02 - How to use?

03 - Demo

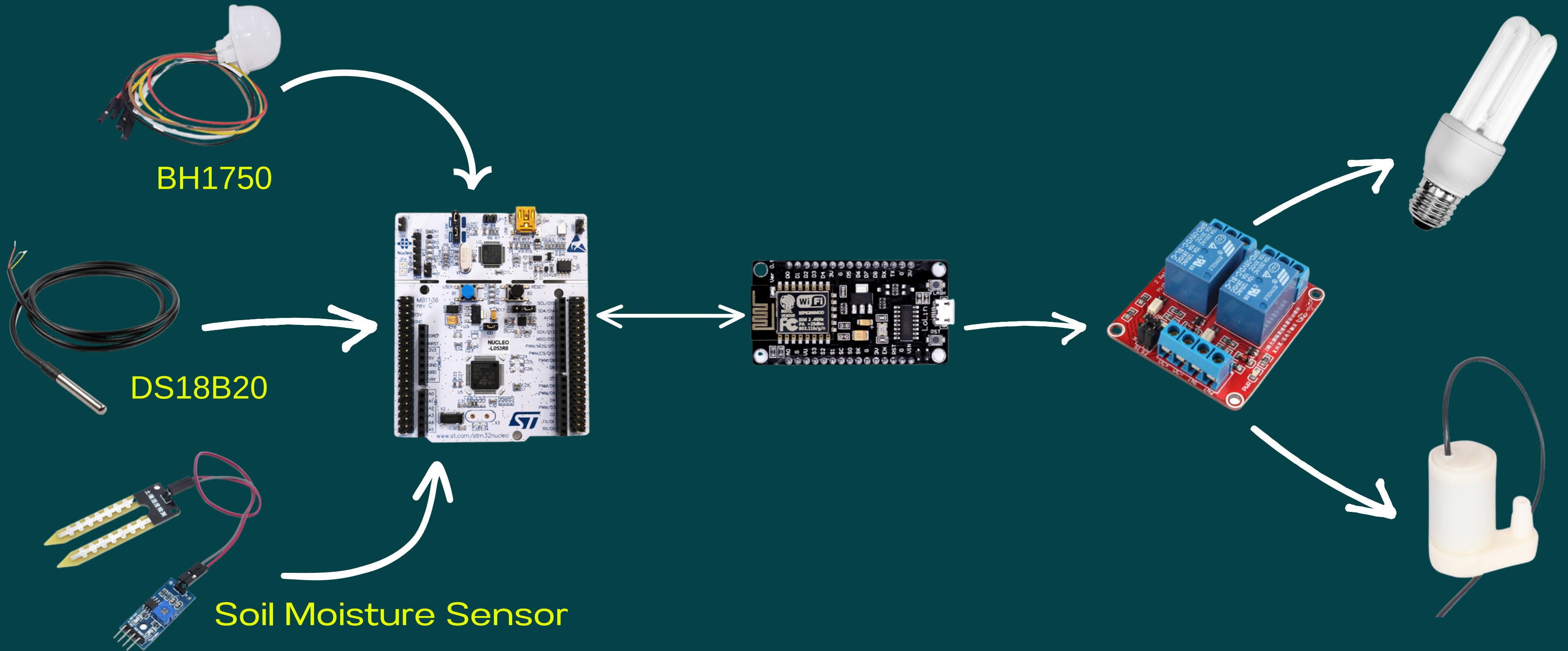


01 - What is it?

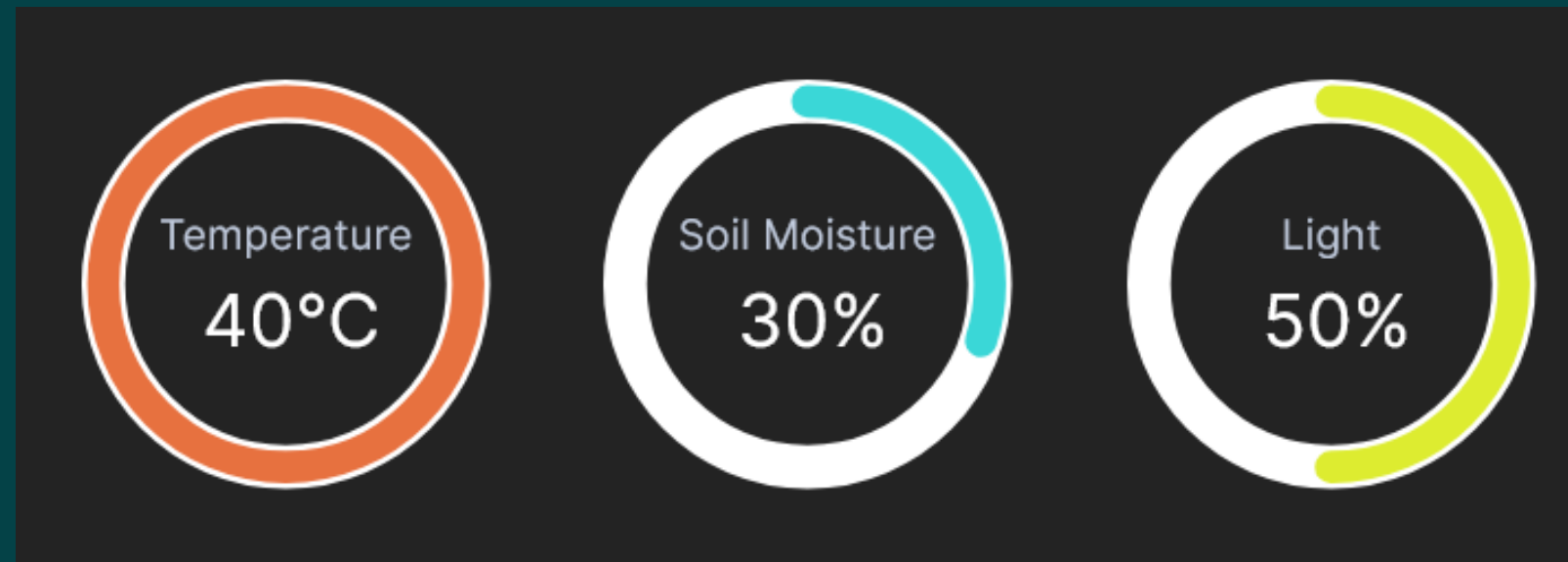
Our Smart Greenhouse is the IoT system to control water in the plant and turn on the light automatically depending on temperature, soil moisture and light using various sensors with STM and ESP boards.



01 - What is it?

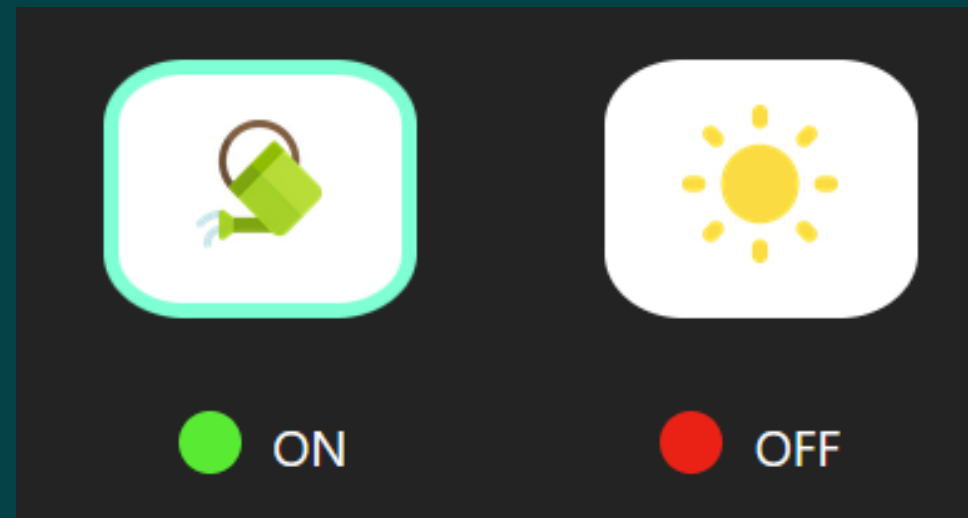


02 - How to use?



Showing data from sensors are following

- Temperature in Celsius Degree (100% (25°C))
- Soil Moisture in Percentage (100% (1024))
- Light in Percentage (100% (5000 lux))



2 Modes

- Manual Mode to control light on and water the plant
 - ON : You can manually control turn on the light and water the plant by click on the button
 - OFF : You can manually control turn off the light and stop water the plant by click on the button
- Auto Mode to water the plant
 - Watering the plant will be controlled by the data from sensors
 - You can't click on the water button

02 - How to use?

Scan QR code
HERE!!!



03 – Demo

Let's see demo

Thanks
