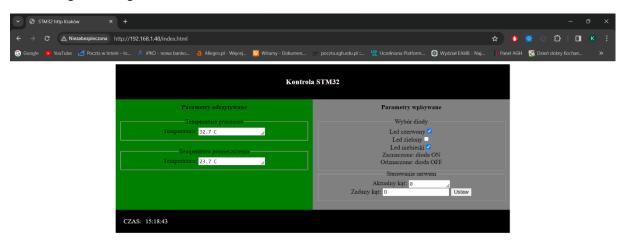
This is a project during which I created a simple http server to control diodes and a servo using the STM32 F429zi microcontroller.

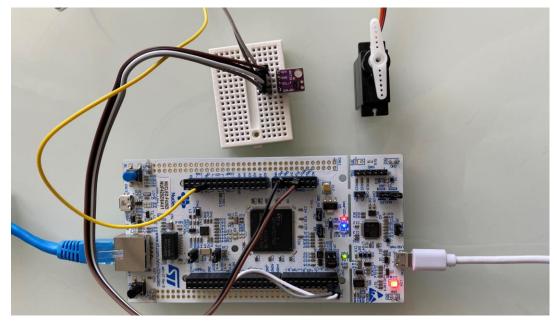
The project used:

- STM32F429zi
- thermometer with I2c
 - servo
- real-time operating system (FreeRTOS)
- LWIP library
- UART communication

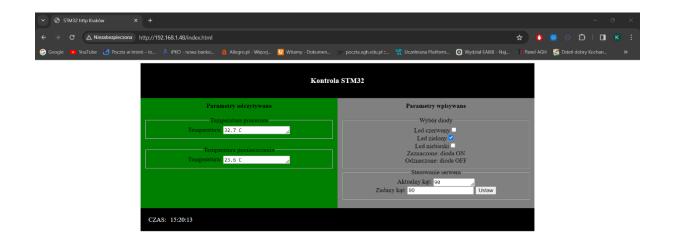
Combining all this I got the effect:



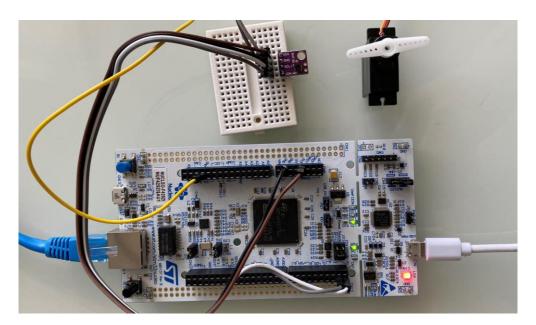
Rysunek 1 The wiew from website



Rysunek 2 The view shows the working device



Rysunek 3 The wiew from website



Rysunek 4 The view shows the working device

In addition, the code allows us to set the angle in the server using the command window

```
COM3-Tera Term VT

File Edit Setup Control Window Help

It can work like echo UART
or we can use special instruction : servo

Wpisz kat:

120

Wpisz kat:
10

and servo changes position
```