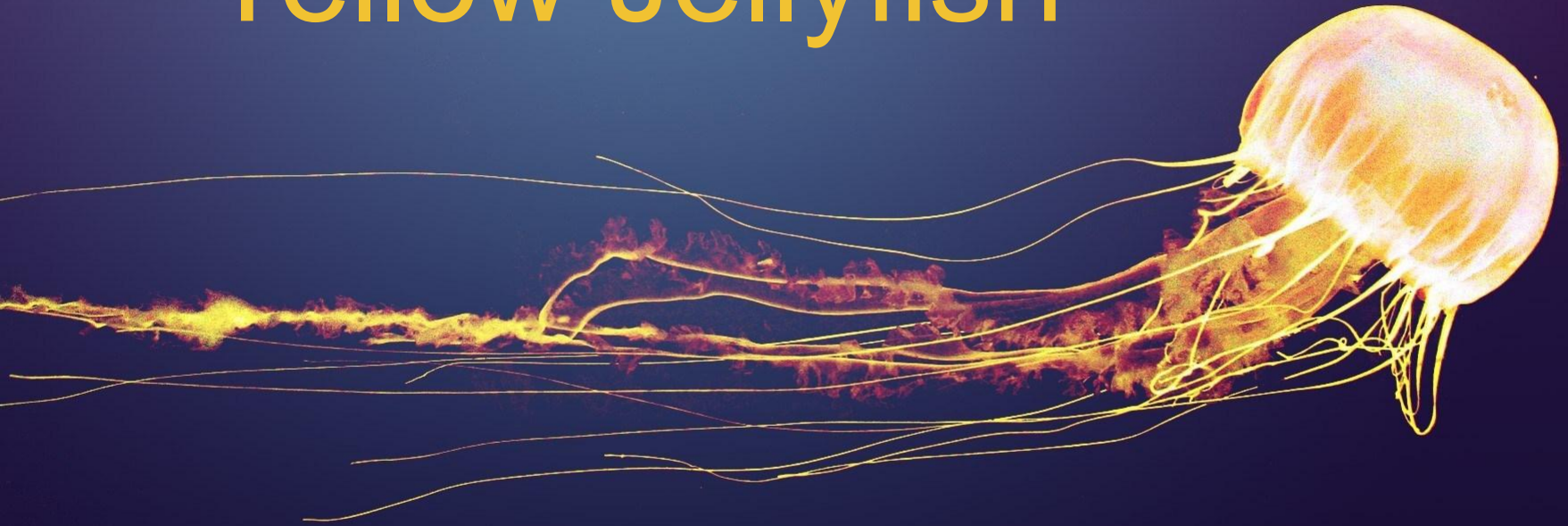


# Yellow Jellyfish

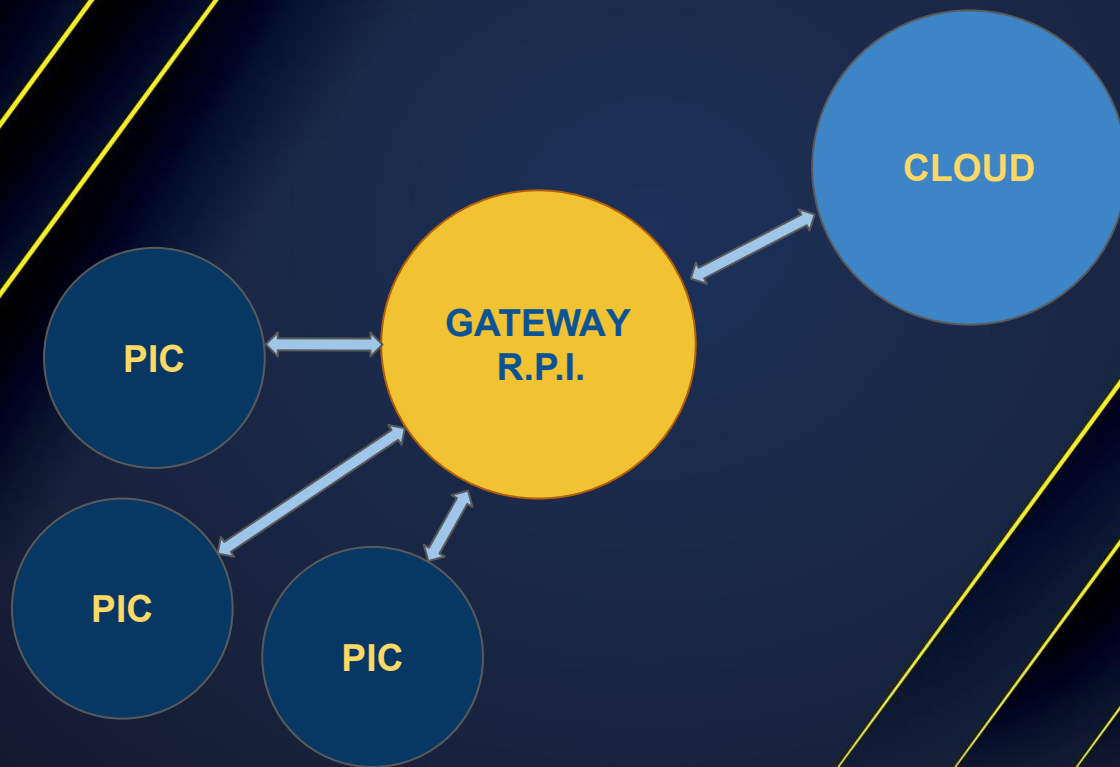


Francesco Marion, Mattia Ros, Davide Viotto, Simone Zoppelletto

# LA RICHIESTA

Realizzazione di un sistema di gestione e controllo dello stato di porte e condizioni climatiche dei vagoni di un treno.

# LA SOLUZIONE



# LE COMPONENTI

## CLOUD

- WebApp - Razor pages
- MQTT Protocol - Hivemq
- MongoDB
- Telegram Bot

## GATEWAY R.P.I.

- Display Python TKinter
  - Python as binder
  - Redis

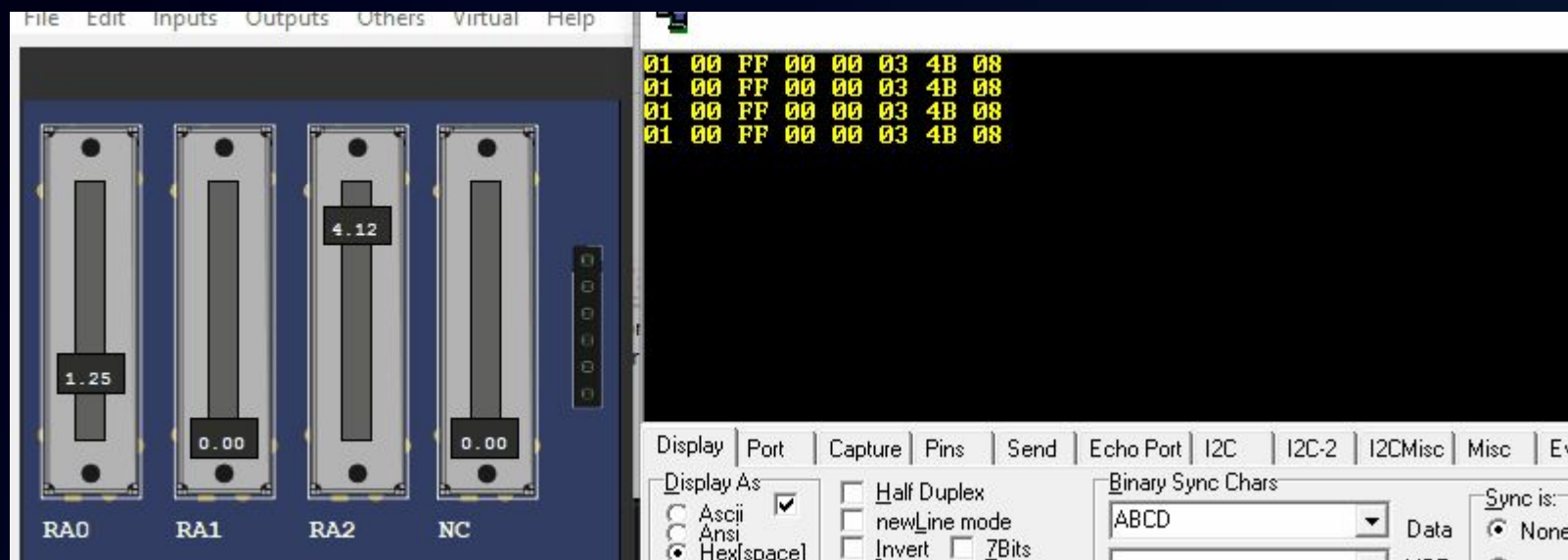
## PIC

- C
- LCD Display Menu

# Pic Microcontroller

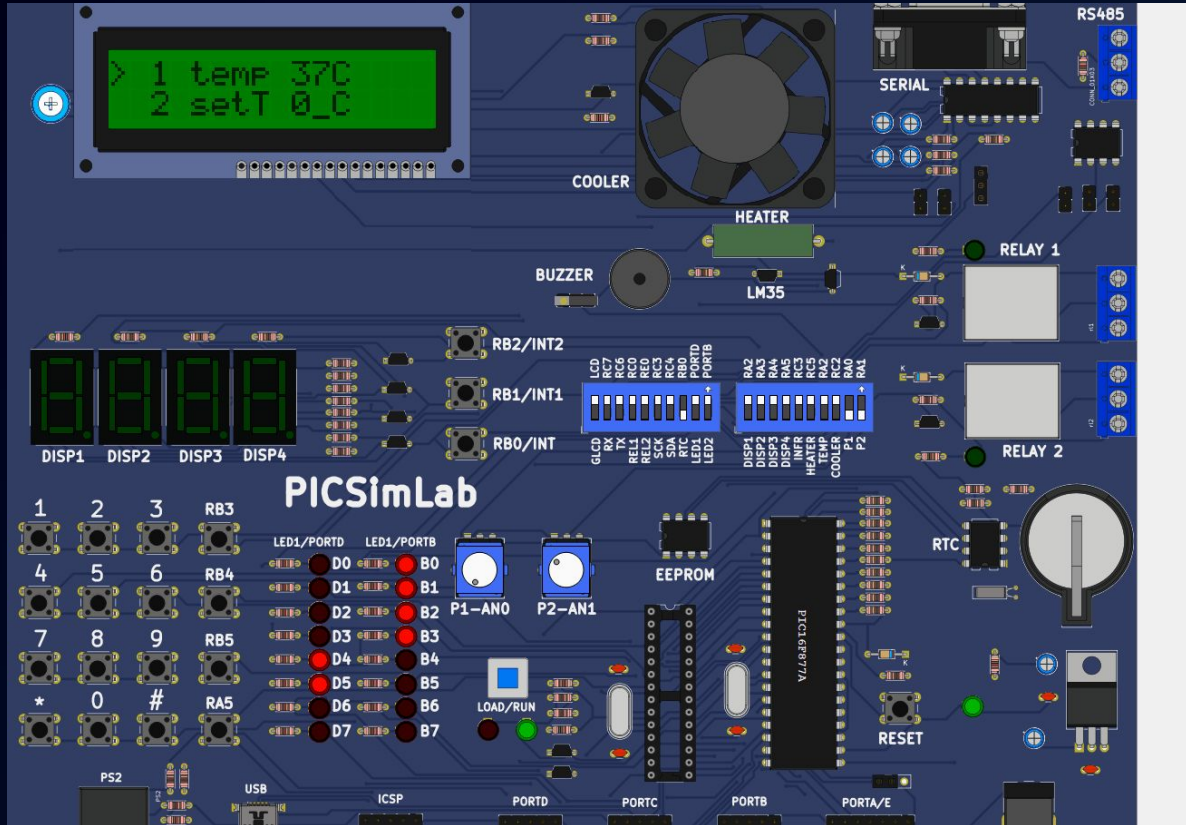


# PIC Serial Port





# PIC Display Simulation



# RPI Technologies

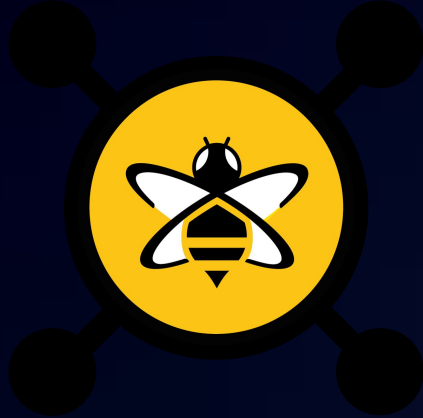




# RPI User Interface

treno

# CLOUD - MQTT PROTOCOL




# CLOUD - User Interface

Browser window: Login - Train Project Work

URL: localhost:44305/Index?handler=Logout

## TrainProjectWork Login

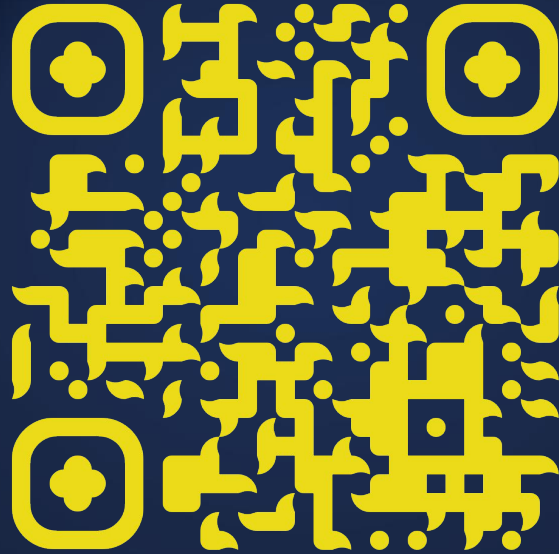


Username:

Password:

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REPO GITHUB



GRAZIE !!!