

Telua IoT Platform

<https://telua.co> - Telua IoT platform

Some PLC based Automation Projects (PLC - Programmable logic controller)

- PLC Based on Garden Irrigation System
- PLC Based on Automatic Motor Speed Monitoring System
- PLC Based on Multi-Channel Temperature Monitoring and Controlling System
- PLC Based on Humidity and CO2 Monitoring and Controlling System
- PLC Based on Agriculture Irrigation System
- PLC Based Door Open and Closing System
- PLC Based Temperature Controller
- PLC Based Automatic Coffee Vending Machine
- PLC Based Automatic Traffic and Street Light Controller
- Automatic Water Level Control System Using PLC Project
- Automatic Feeder Machine



Problem of PLC

- The license of software is expensive
- No easy to configure with normal users

Solution

- Develop the visual programming language instead of PLC to control devices via the internet and support the automation industry

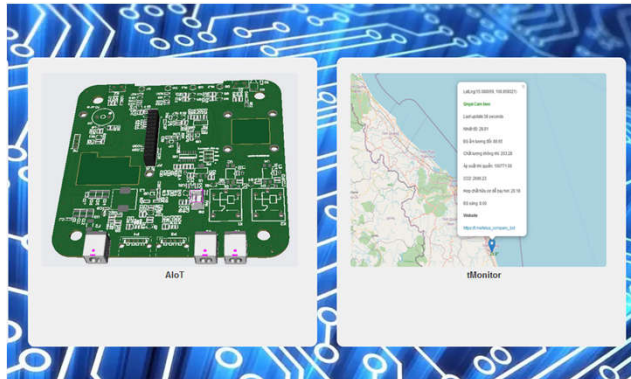
Why better ?

- Price is cheaper
- Open APIs for community
- Open-source hardware of sensors
- Integrate machine to machine and machine learning for smart agriculture
- Support multi-language
- Support to integrate the Telua IoT platform with producers for smart lighting, smart fan, smart cooker, etc.

Technical Advantages

- Support data model to add new product
- Remote control
- Real-time connection between machine and machine

Products



Hardware

- CO₂, VOC, pH, Lux, Temperature, Humidity Sensor
- GPIO controller
- GPIO Expander

Software

- <https://telua.co/aiot>
- <https://telua.co/tmonitor>

Demo

Control devices

<https://telua.co/aiot>

User: letrthong@gmail.com

Password: 12345678

Detailed guideline (Vietnamese)

https://github.com/letrthong/telua_esp32_sensor/blob/master/esp32_hardware/telua_esp32.pdf

Weather station (Vietnamese)

<https://telua.co/tmonitor#api>

The visual programming language

https://github.com/letrthong/uhes_visual_programing_iot



Business Model

- Sale Sensors, devices
- A device must pay fee 1\$ or 2\$ per month if the user has greater than 3 devices



Competition



<https://www.tuya.com/>



Blynk IoT



IBM Watson IoT



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Some startup companies in Vietnam

- ▶ <https://tmonitor.live/>
- ▶ <https://weatherplus.vn/>
- ▶ <https://www.lotoda.vn/>
- ▶ <https://eplusi.net/>
- ▶ <https://www.nextfarm.vn>
- ▶ <https://farmext.com/>
- ▶ <https://dqsmart.vn/san-pham/thiet-bi-cam-bien-nhiet-do-do-am/> (Điện Quang)
- ▶ <https://www.aquaeasy.life/> (Bosch)