Create an IoT Solution

13 January 2022 Safyzan b Salim

Internet of things



Field of study

The Internet of things describes physical objects that are embedded with sensors, processing ability, software, and other technologies that connect and exchange data with other devices and systems over the Internet or other communications networks.

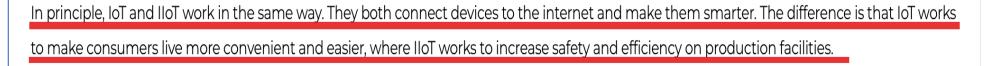
Wikipedia

Industrial internet of things

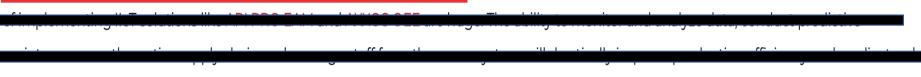


The industrial internet of things refers to interconnected sensors, instruments, and other devices networked together with computers' industrial applications, including manufacturing and energy management. Wikipedia

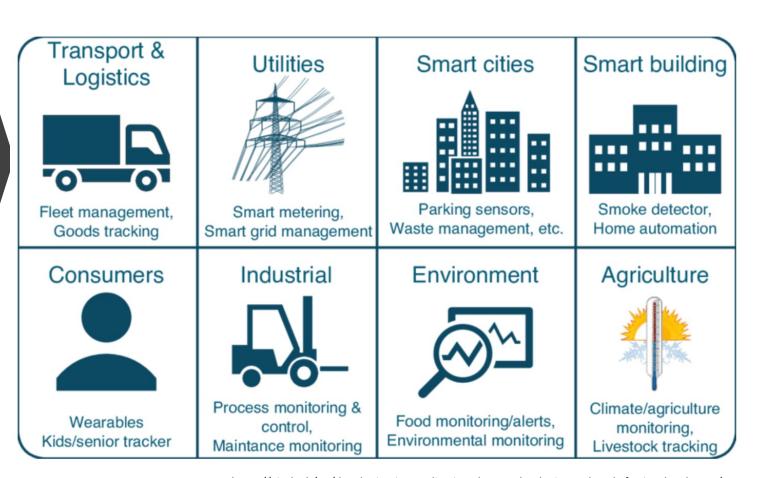
In Reality



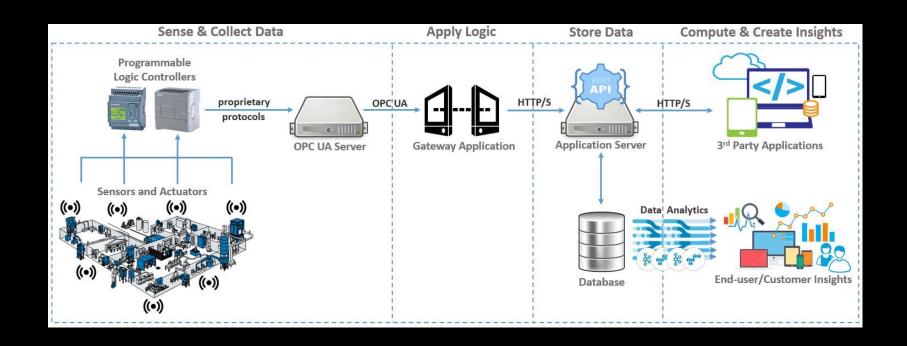
IoT is B2C (business-to-consumer) and IIoT is B2B (business-to-business). For companies with multiple plants and production facilities the benefits



Where to Apply?



https://vizah.ch/en/developing-iot-applications-best-technologies-and-tools-for-iot-developers/



Building an IoT Solution in 4 Basic Steps

IIoT / IoT Components – 915MHz

Sensors / Nodes



Distance Detection Sensor



Soil Moisture & EC Sensor



GPS Tracker

Gateways



Dragino



Indus



Heltec Helium Miner

IoT Servers

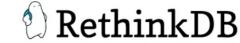


Databases









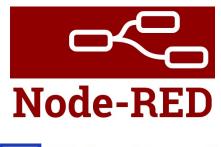


User Interfaces







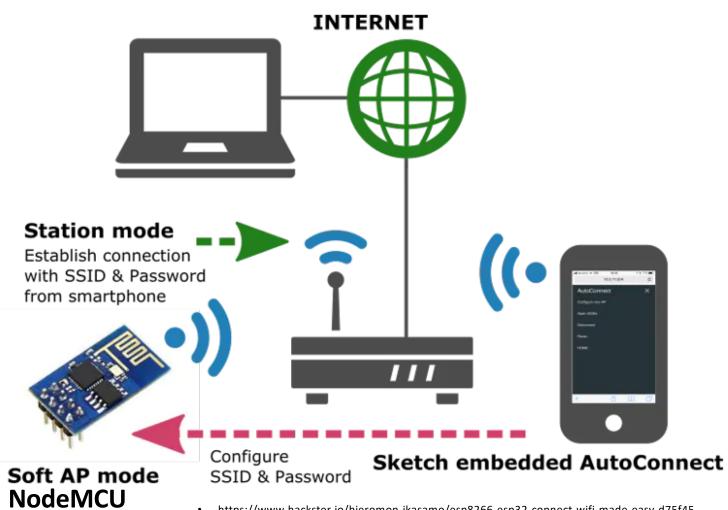




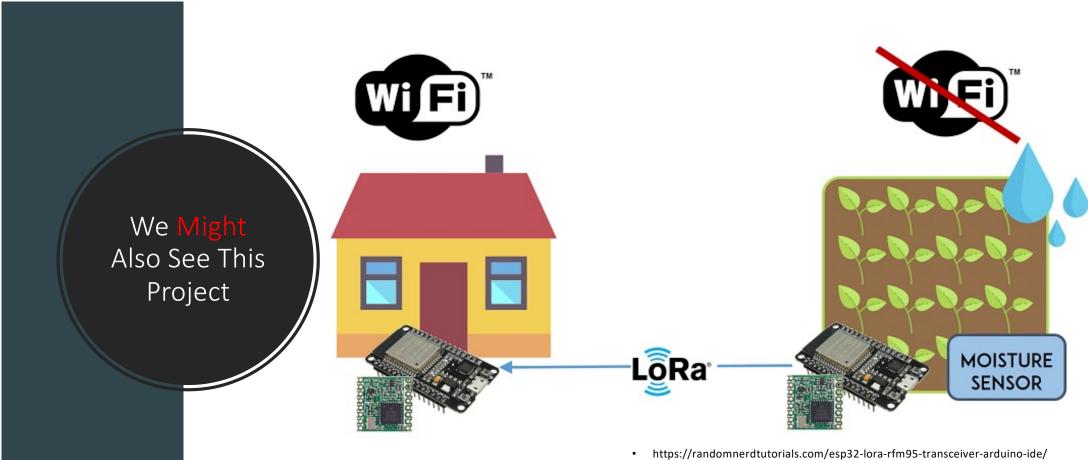


ESP32

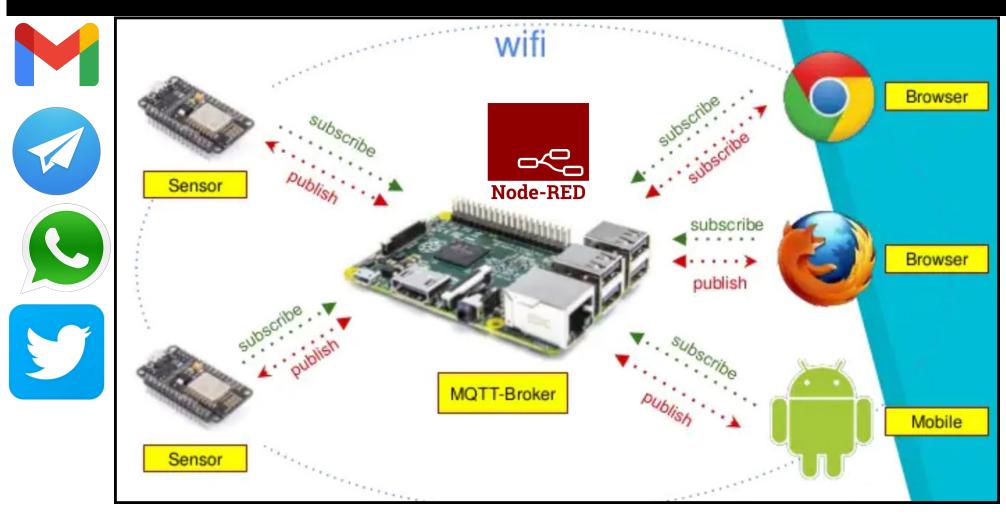
TTGO



https://www.hackster.io/hieromon-ikasamo/esp8266-esp32-connect-wifi-made-easy-d75f45



Why Don't You Consider This



Or This

