

## ABOUT US:

ARMtronix was founded in November 2015 with an idea to make Industrial Automation and Building automation products affordable, innovative, easy to modify-and-install for customized requirements.

The Word ARMtronix stands for Automation, Robotics and Mechatronics.

## FOUNDERS:

**Naren Nayak** has extensive experience and knowledge in the domain of electronic and embedded system based product development and has previously worked for companies like iRobot. He founded ARMtronix in 2015.

**Hemanth M Surakod** joined ARMtronix in September 2017 as a core team member/partner. He has previously worked in various companies like HCL Technologies in core electronics domain.

### VISION:

To create simplified technological products and services catering to Industrial and Building automation needs.

### MISSION:

To make hi-tech but customer friendly products in the domains of Building automation and Industrial automation. To help customers integrate new technology which is simple and efficient in existing projects.

### OUR USP:

- Competent and problem solving attitude
- Visionary products
- Affordability

### PROJECTS UNDERTAKEN:

- Automotive electronic sensor design for fuel filter manufacturer.
- Inventory management system based on Industry 4.0 for automotive manufacturer.
- Building automation products design and development.
- Medical wound therapy product design and development.
- Torque wrench Socket tray monitoring and control.
- LoRa based industrial energy meter monitoring.
- LoRa based industrial cold-storage monitoring.
- Hospitality monitoring and controlling.



### REGISTERED OFFICE:

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**Fixed Line: 0836-4265368**

## INDUSTRIAL AUTOMATION

- Industry 4.0 / IIoT based product for production monitoring, inventory management, wireless sensing for selection of torque socket, CNC machine programming with utilization monitoring and AGV wireless control.

## BUILDING AUTOMATION

- Custom product design, development and EMS for home and hotel automation products.

## OTHER SERVICES

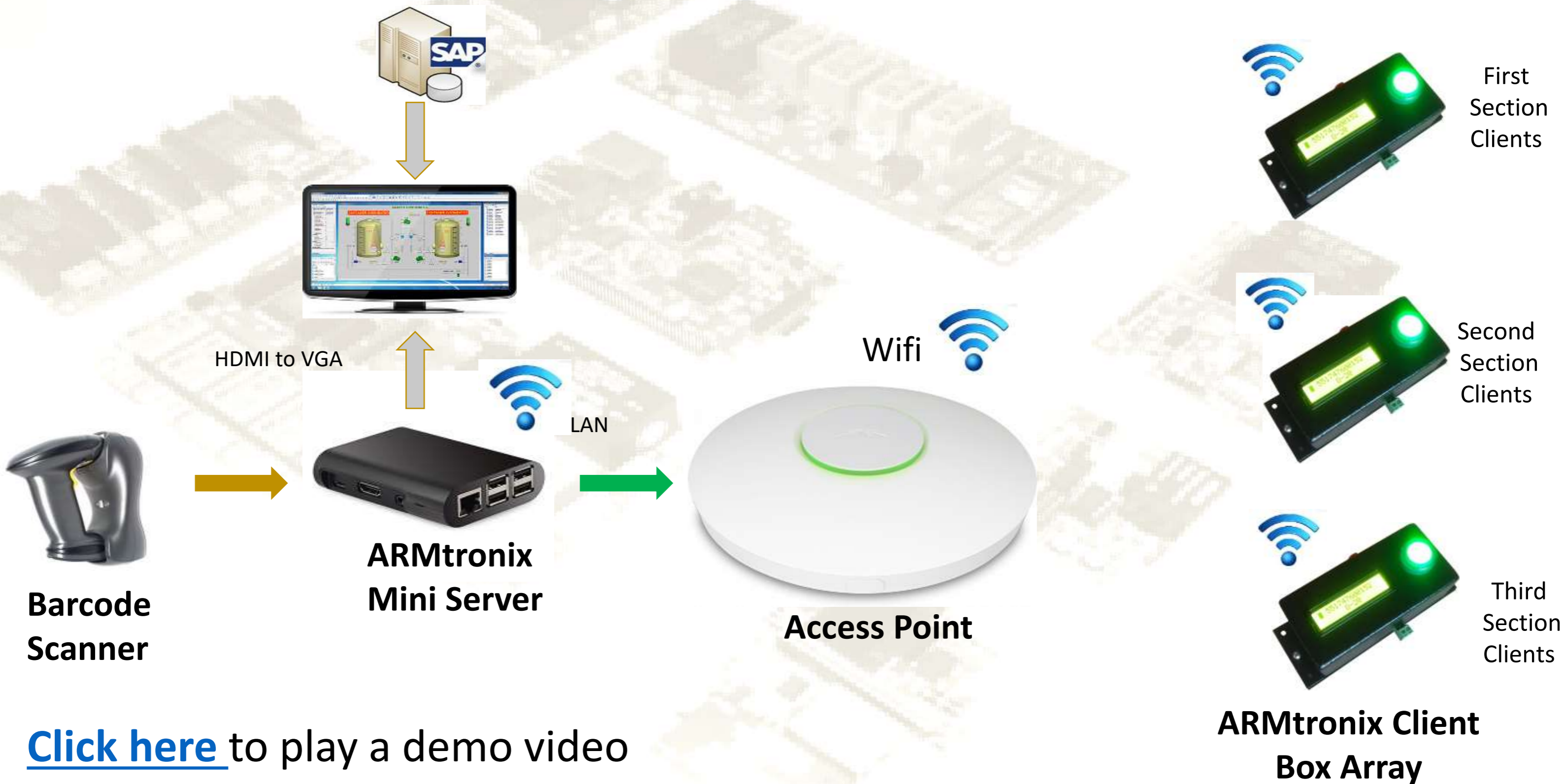
- Electronic design and consultation services along with EMS to automotive OEM

# Our Expertise



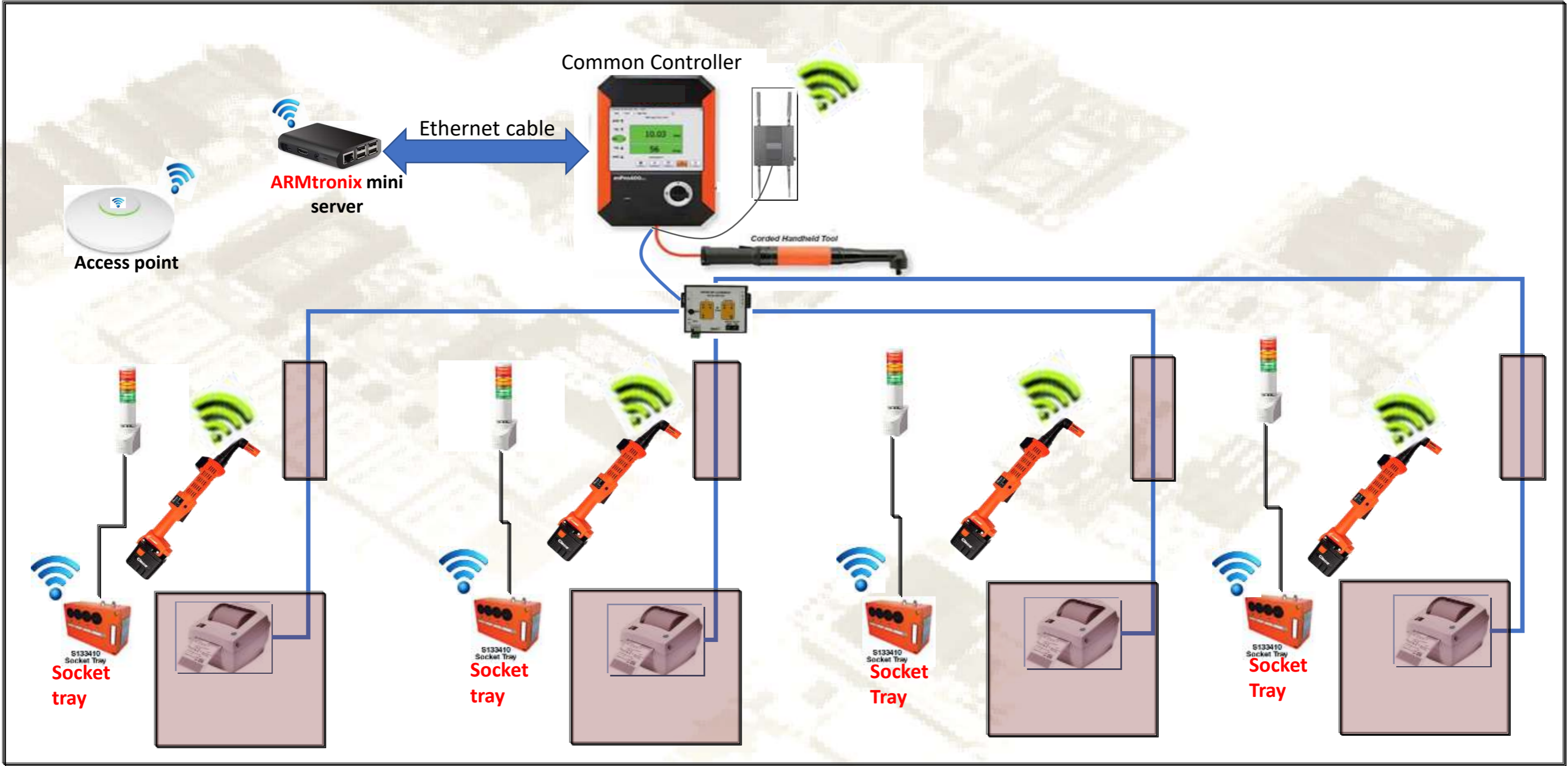


# Industrial: Pick to Light System



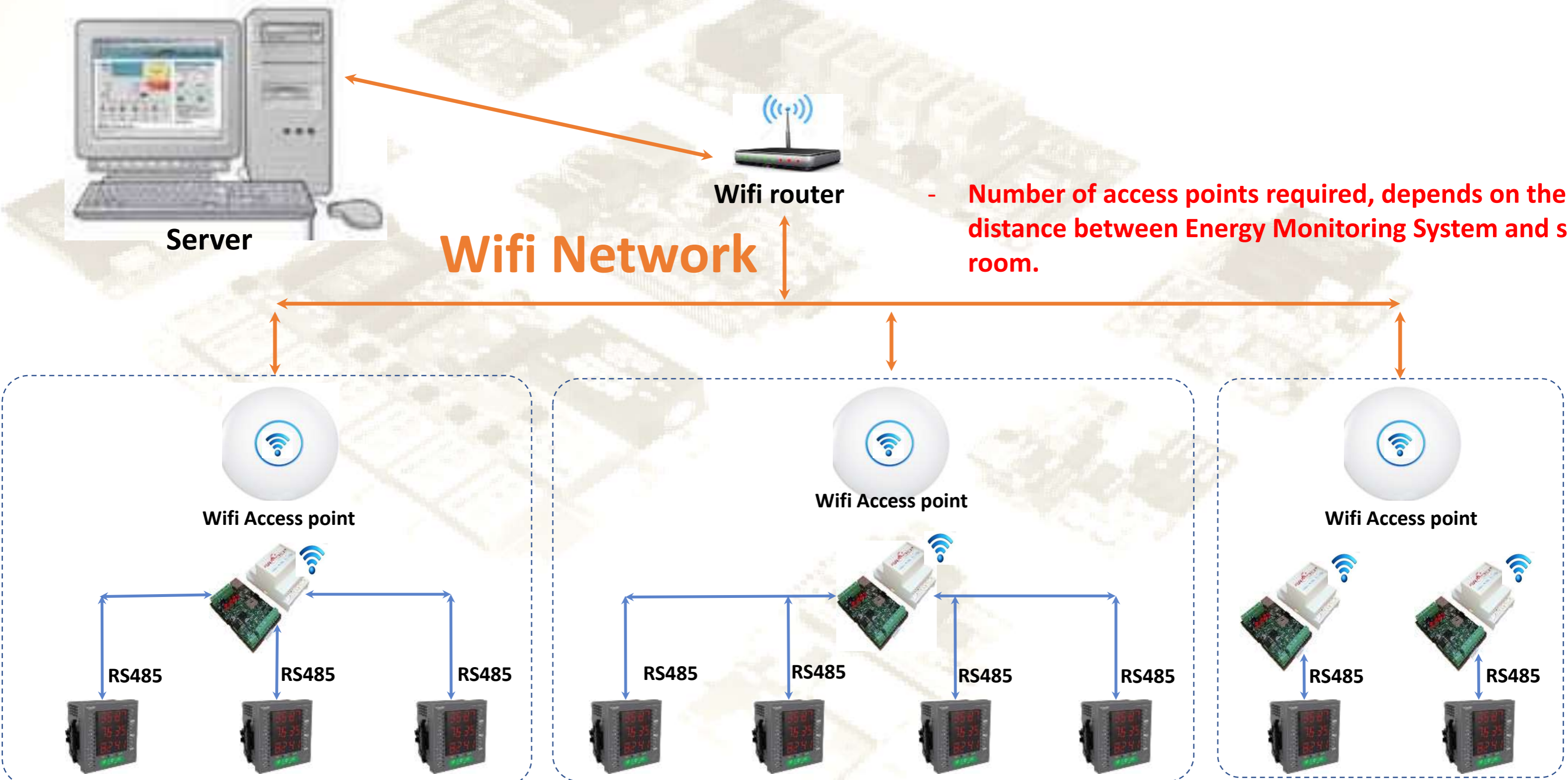
[Click here](#) to play a demo video

# Industrial: Socket Tray Monitoring





# Industrial: Energy Monitoring



- Number of access points required, depends on the distance between Energy Monitoring System and server room.



# Industrial: Water Level Monitor System



Between router and Water level monitor Ctrl room

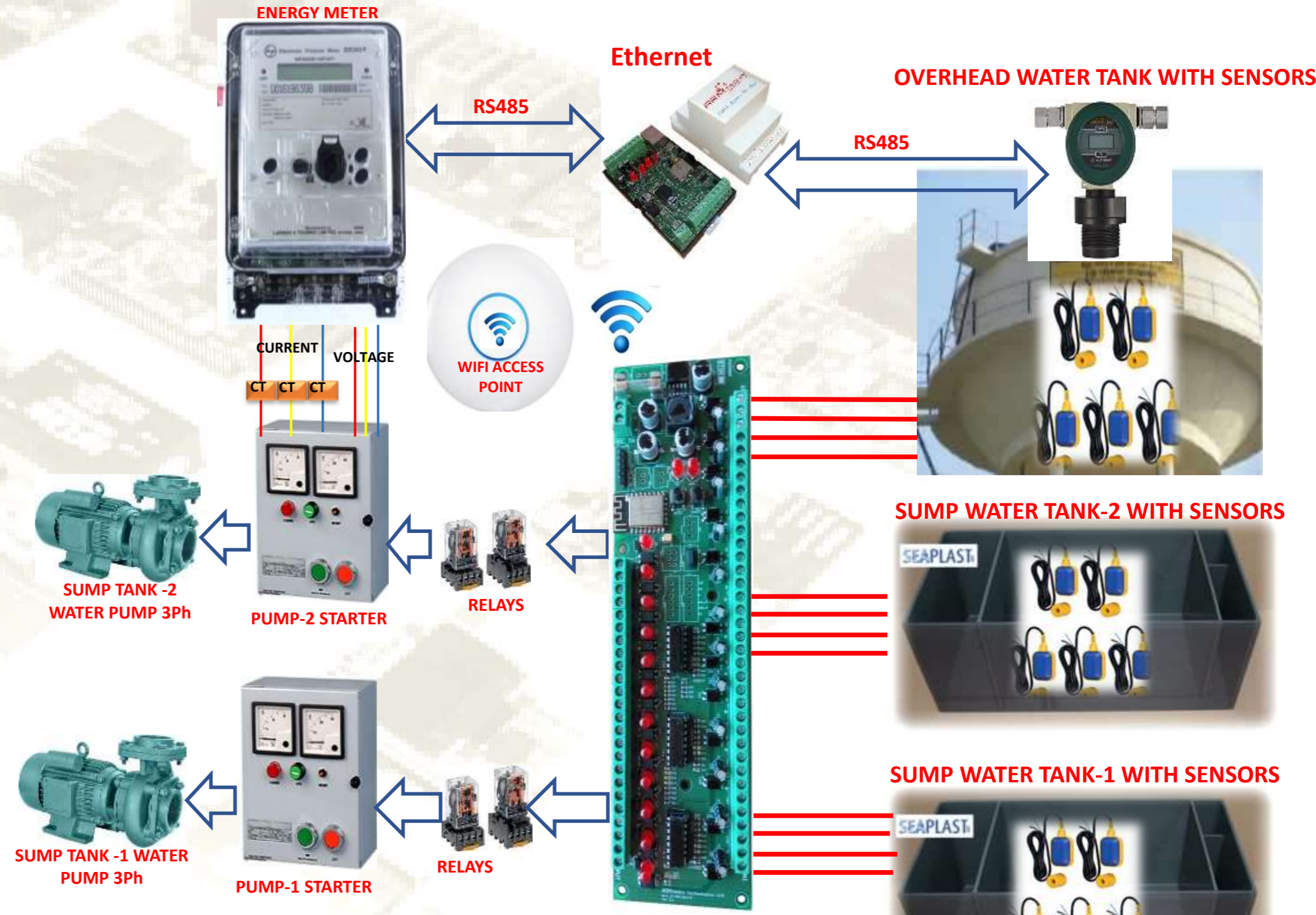


MQTT Broker

Third party software



Server





# Industrial: Elevator Monitor & Control



Existing/New  
Wifi Router

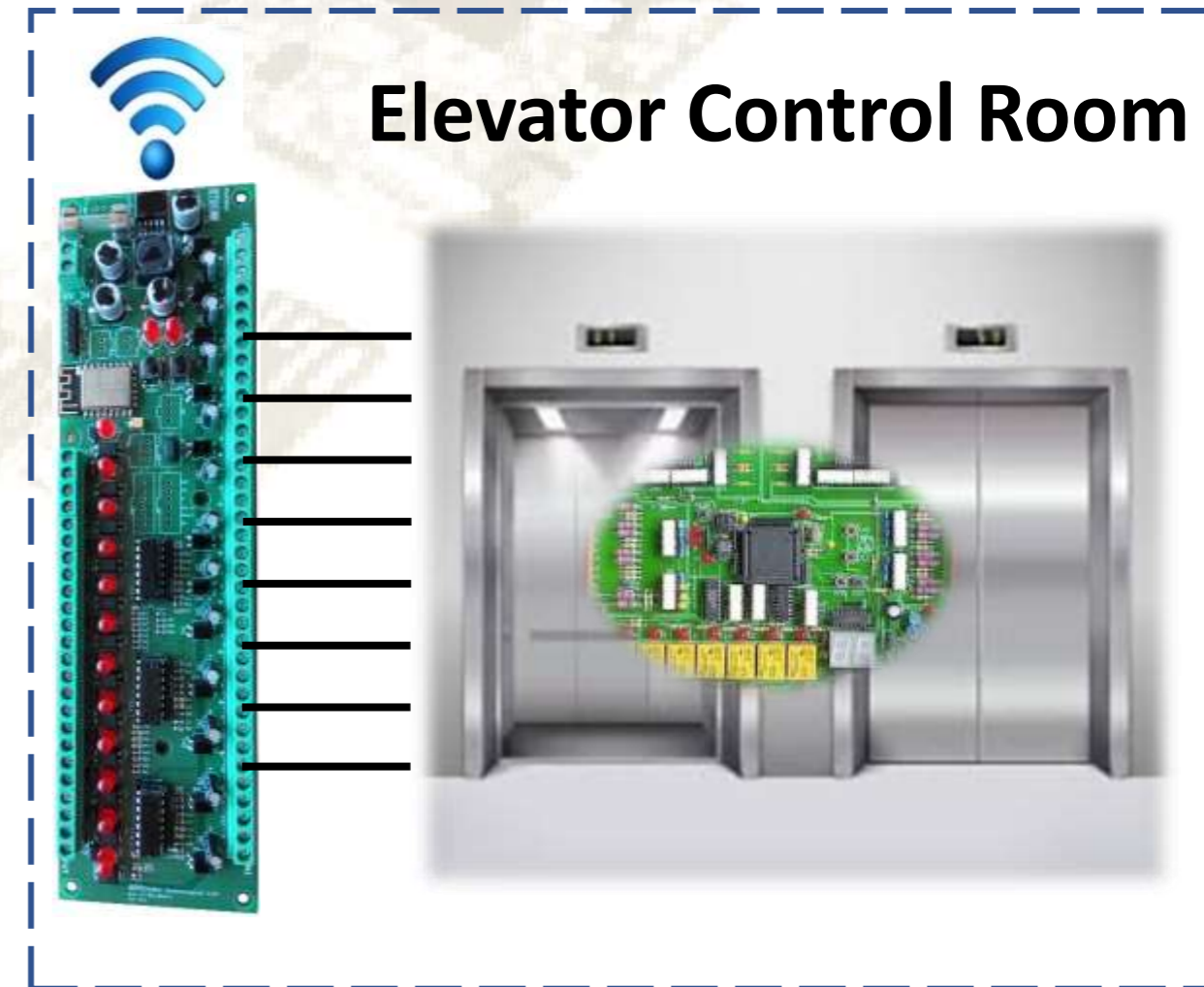
Between router and LIFT  
Ctrl room



MQTT Broker

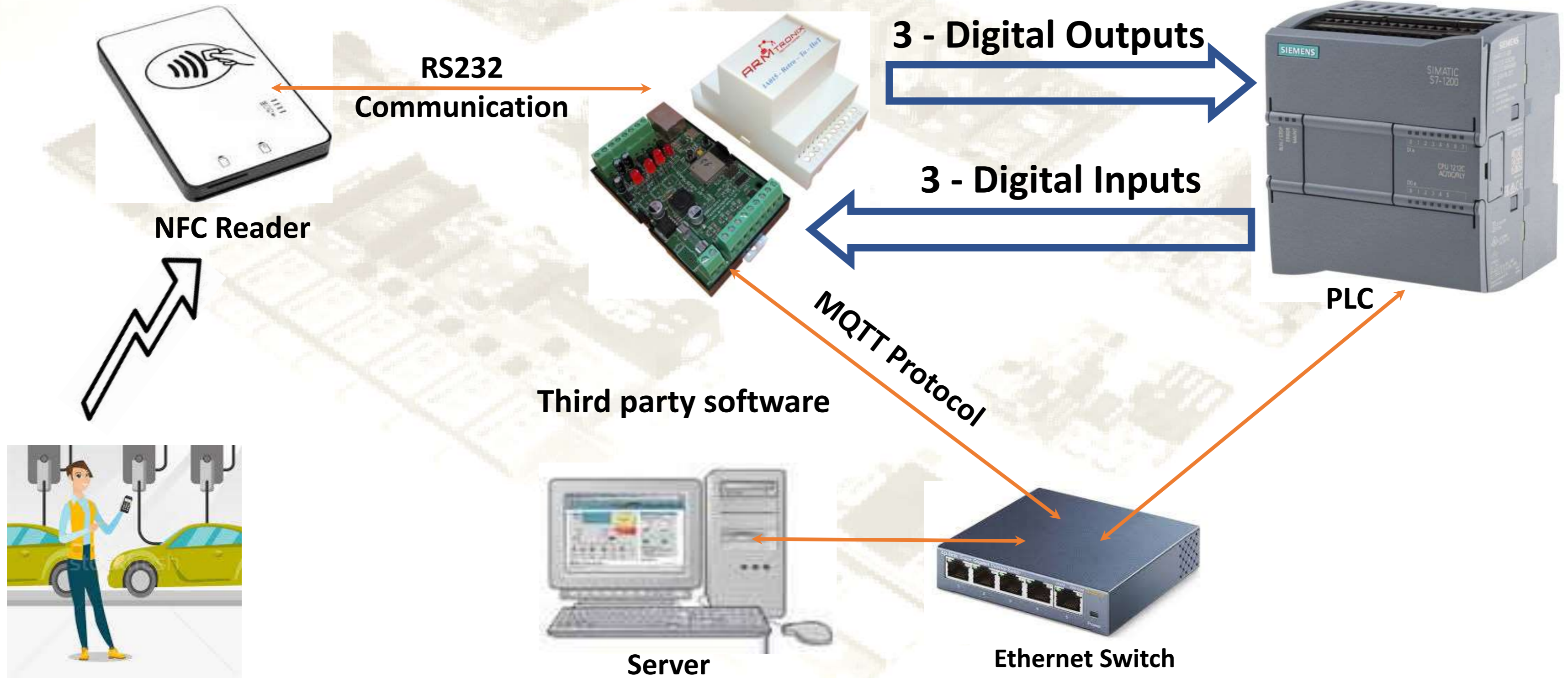


Smart Phone



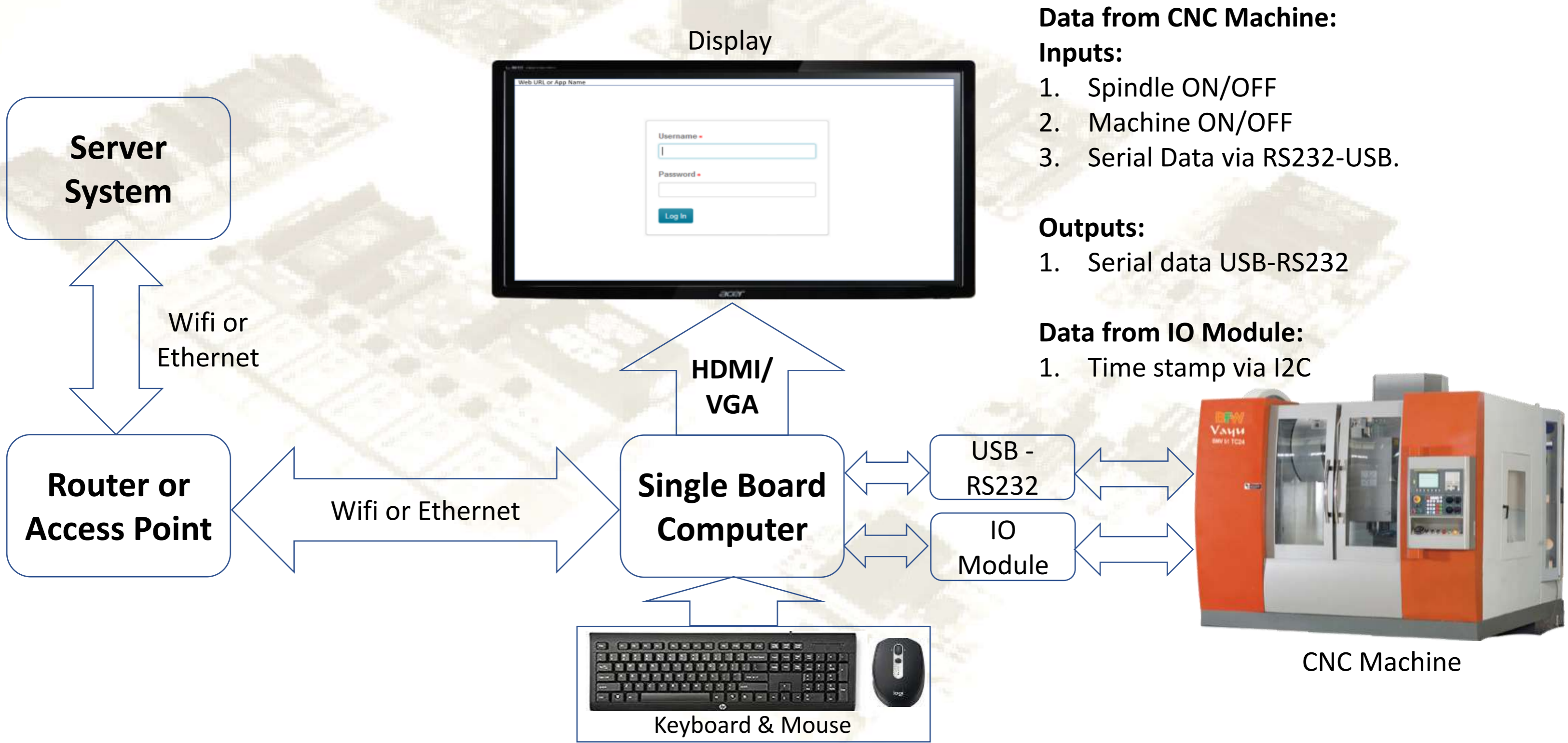
Elevator Control Room

# Industrial: Process Validation





# Industrial: CNC Machine Monitoring



### Data from CNC Machine:

#### Inputs:

- 1. Spindle ON/OFF
- 2. Machine ON/OFF
- 3. Serial Data via RS232-USB.

#### Outputs:

- 1. Serial data USB-RS232

### Data from IO Module:

- 1. Time stamp via I2C

The background of the slide is a light beige color with a faint, repeating pattern of several microchips or circuit boards arranged in a grid-like fashion, viewed from an isometric perspective.

# Thank You