

# Aimagin IoT Solution

## Which problems does Aimagin solve?

### 1. You want to make your products smarter.

- To securely monitor, configure, update, and control devices from anywhere in the world.
- To offer additional value-added services to end customers, such as predictive maintenance or energy usage monitoring.

### 2. You want to go to market as soon as possible.

- With well-proven and reliable solution

### 3. But you do not have an in-house development team.

IoT requires a broad range of expertises.

- Electronics system design
- Firmware development
- Servers configuration and backup
- Database, network & security setup
- Web app development
- AI model development

### Aimagin offers a complete IoT solution.

- Data collection
  - Electronics hardware interface board
  - Firmware development
  - AI model development
- Industry standard secure connectivity
- Data analytics platform
  - True big data
  - Data analysis
  - AI model training, selection and verification
  - Dashboard & report generation
- Device management and backup system

## What are customer benefits?

### 1. Lowest risk offers

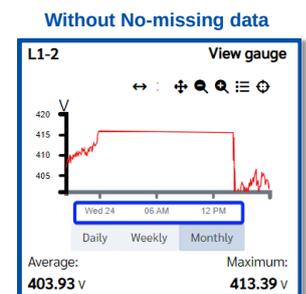
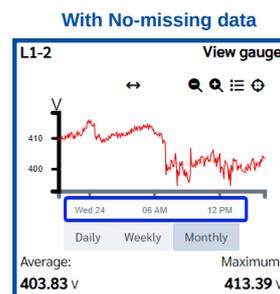
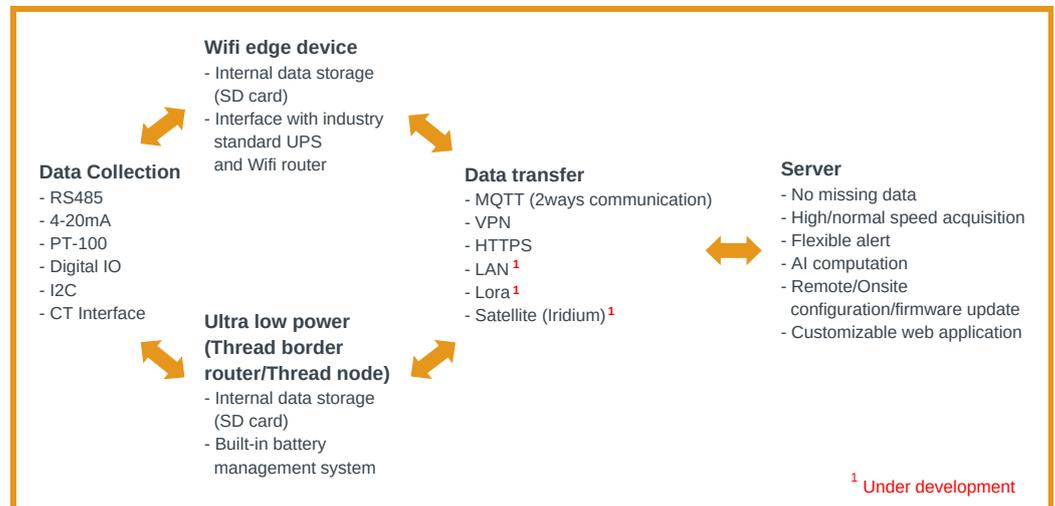
- We can start with **NO initial costs.\***

### 2. Key features

- Complete data
  - No-missing data
    - Data can be stored on-devices and automatically re-sent to server in case of unexpected network failures
  - Maximum base sampling rate of 1 Hz
    - To acquire as complete data as possible.
  - High sampling rate (25Hz) can be triggered.
    - On data changes only, enabling detailed transient response analysis while minimizing the amount of data.
- Every node is on-site and online firmware updatable
  - Easily uploading of new features, parameters, or a new AI model.
- Every node is on-site and online configurable
  - Easily manage and maintain system.
- Comprehensive alert settings
  - Multi-channel customizable condition alert setting.
- Optional ultra low power wireless connectivity (Thread) available
- Security
  - Support HTTPS and VPN

### 3. Customizable

- High level of customization to fulfill most user needs.



\* Ask for more details.

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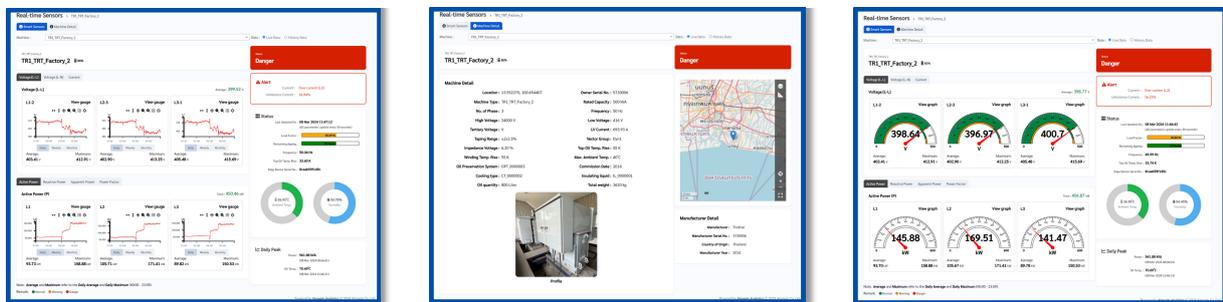
# Proof points

## Our expertise

- Aimagin is a Mathworks 3rd party developer.
- Aimagin is a Value Added Developer for Iridium.
- Our big data analytics platform, "Aimagin Analytics", is on the Thailand Innovation List.

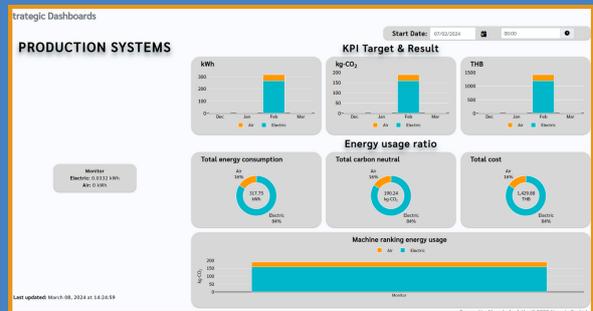
## What have we done for a distributed transformer manufacturer?

- **What:** Develop hardware gateway and data analytics platform for their products.
- **Objective:** Monitor distributed transformer status and provide necessary alert.
- **Status/Results:** Getting ready to market.



## What have we done for an automotive parts manufacturer?

- **What:** Develop both fixed and mobile systems to monitor energy usage in production lines.
- **Objective:** Monitor energy usages, analyse and suggest energy reduction strategy.
- **Results:** Policy developed which resulted in unexpected power saving (on average 70 systems could be switched off instead of running idle)



## What to do next?

- Visit [www.aimagin.com](http://www.aimagin.com)
- Contact us at Email: [support@aimagin.com](mailto:support@aimagin.com)
- Schedule a call <https://calendly.com/aimagin/30-minutes-discovery-call>

