

# AEGIS IoT

Assets Management Product Overview

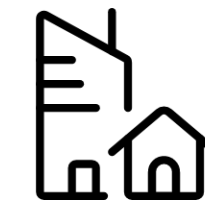
## AEGIS IoT Enterprise Suite



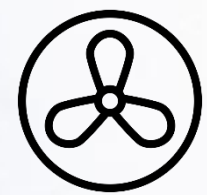
Manufacturing



Retail & Supermarkets



Residential

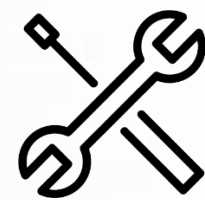


HVACR

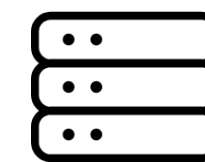
# AEGIS IoT



Food Production &  
Manufacturing



Asset Management



Data Center

## AEGIS IoT



# Keep your assets safe with **AEGIS** IoT Assets Management IoT RFID Tags

## Assets Protection

Reduce loss or theft of high value assets, tools and equipment.

## Assets Visibility

Service personnel have instant visibility of equipment inventory. System is able to keep track of equipment at all time and give alerts when item is left over.

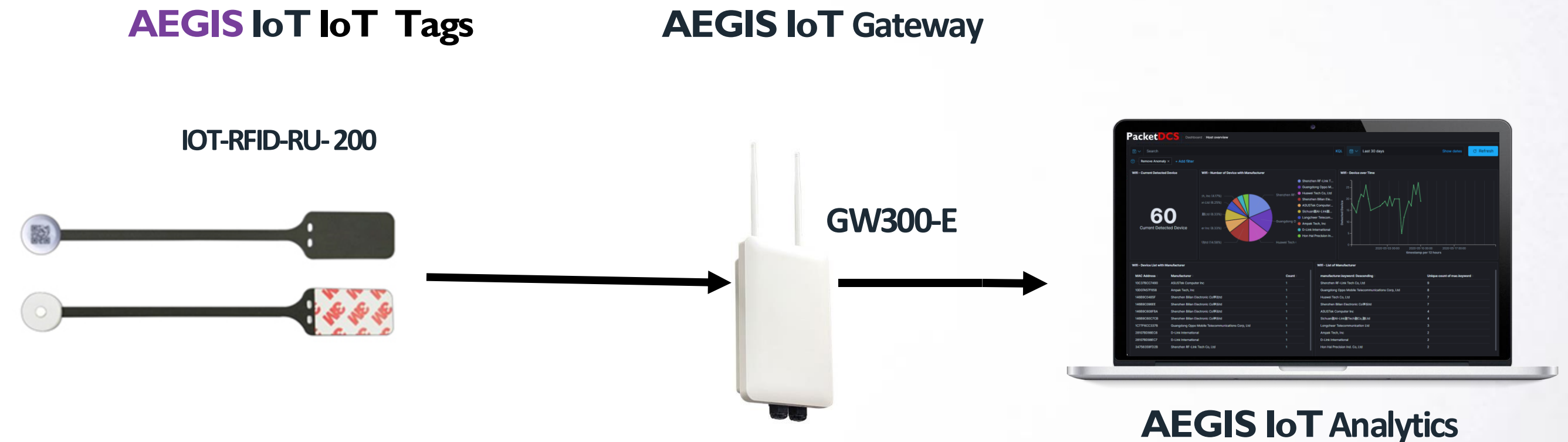
## Assets Accountability

Build accountability for equipment across organization.

# U-level & Rack mounted Assets Management

## Assets Tracking and Management via IoT

1. Mount IoT tags to any RU-level equipment you wish to track.
2. Battery free IoT tag enables high availability, high accuracy and maintenance free asset tracking and management.
3. Automated alert when IoT tag is tampered.
4. View powerful analytics and assets status via **AEGIS IoT Analytics**



## Realtime Asset Change

Collect Asset Change in real-time, no human intervention needed



# AEGIS IoT



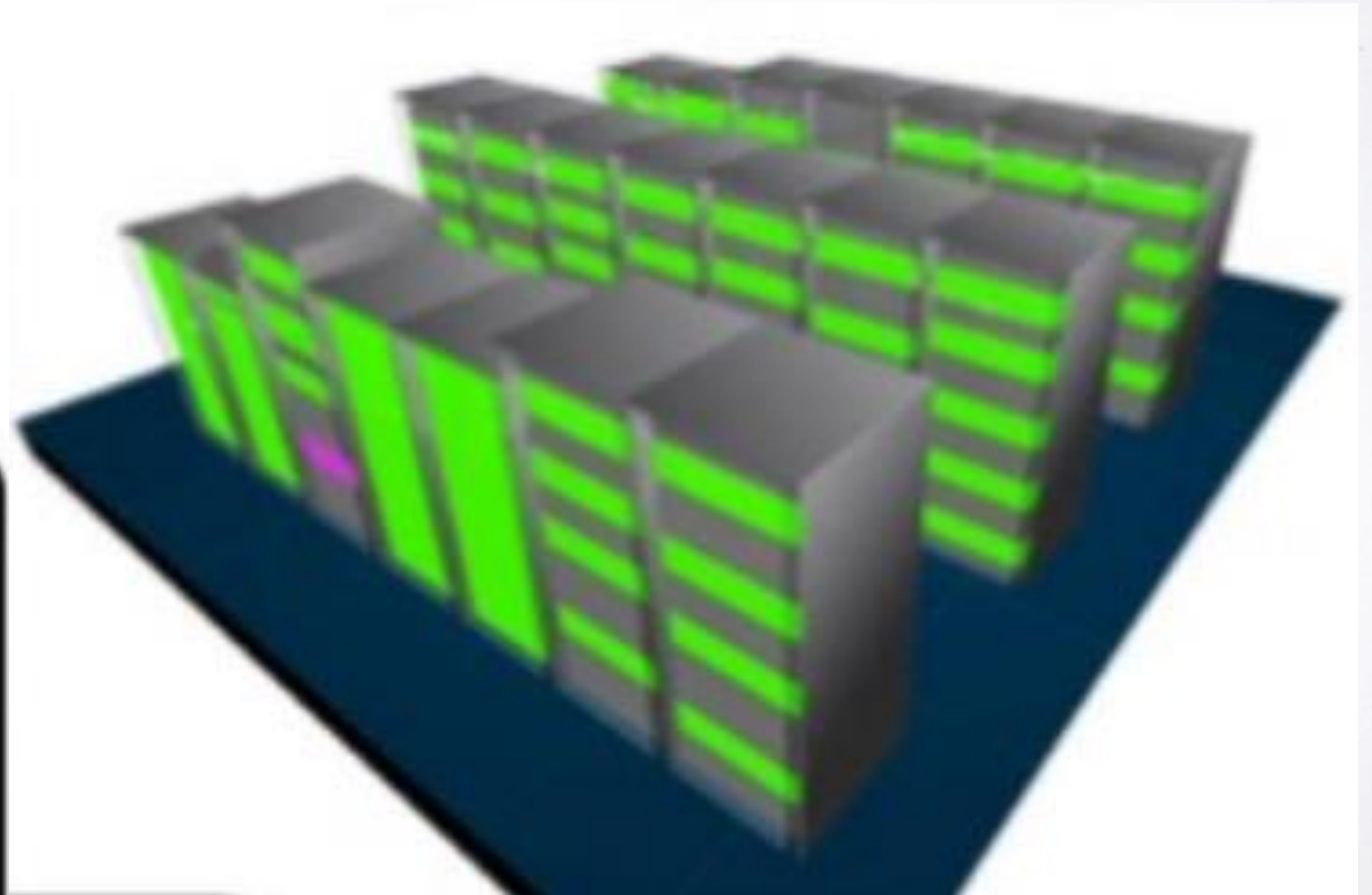
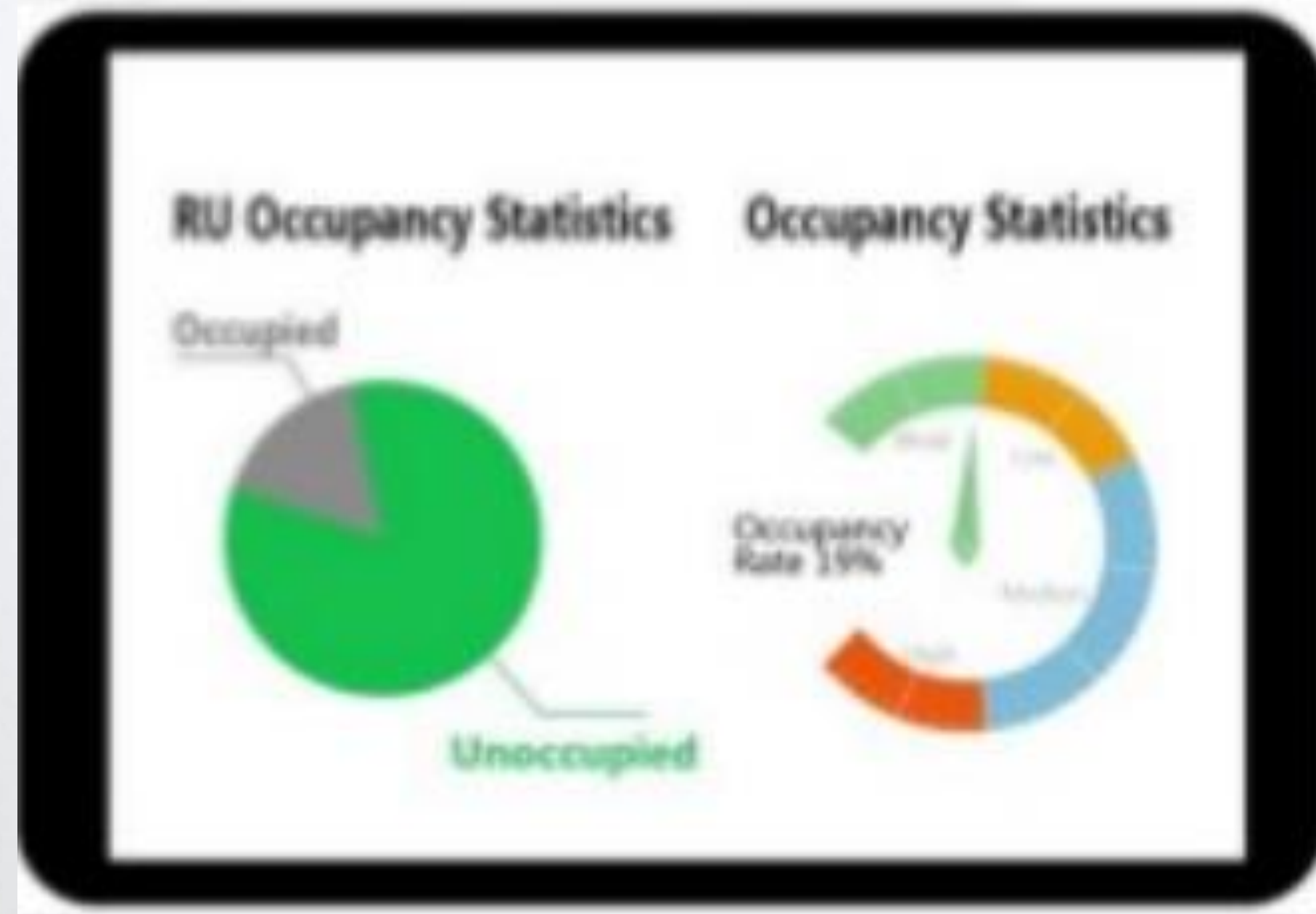
Phone: +603 5887 0624



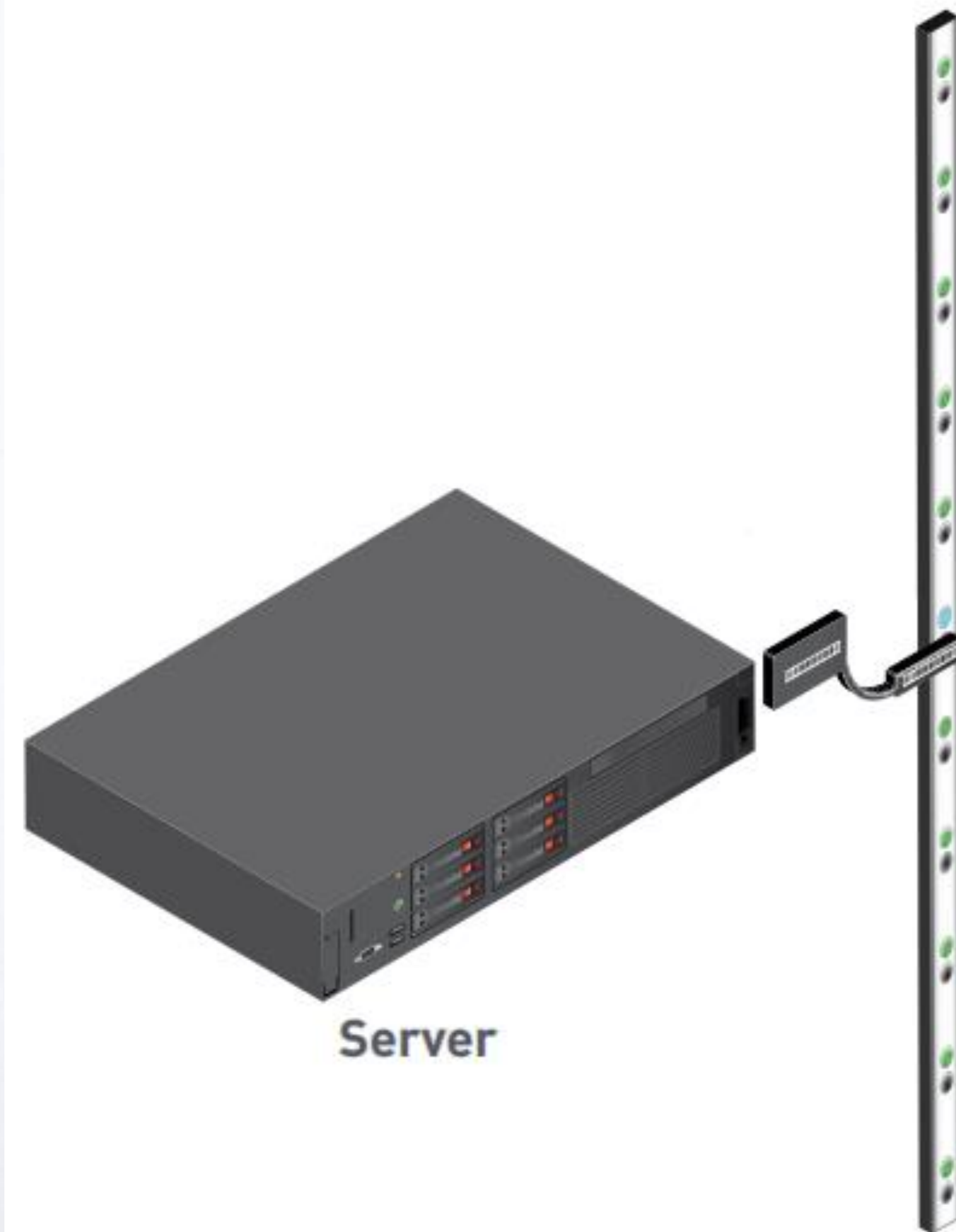
E-Mail: [sales@springtech.ai](mailto:sales@springtech.ai)

## Rack Space Management & Utilization

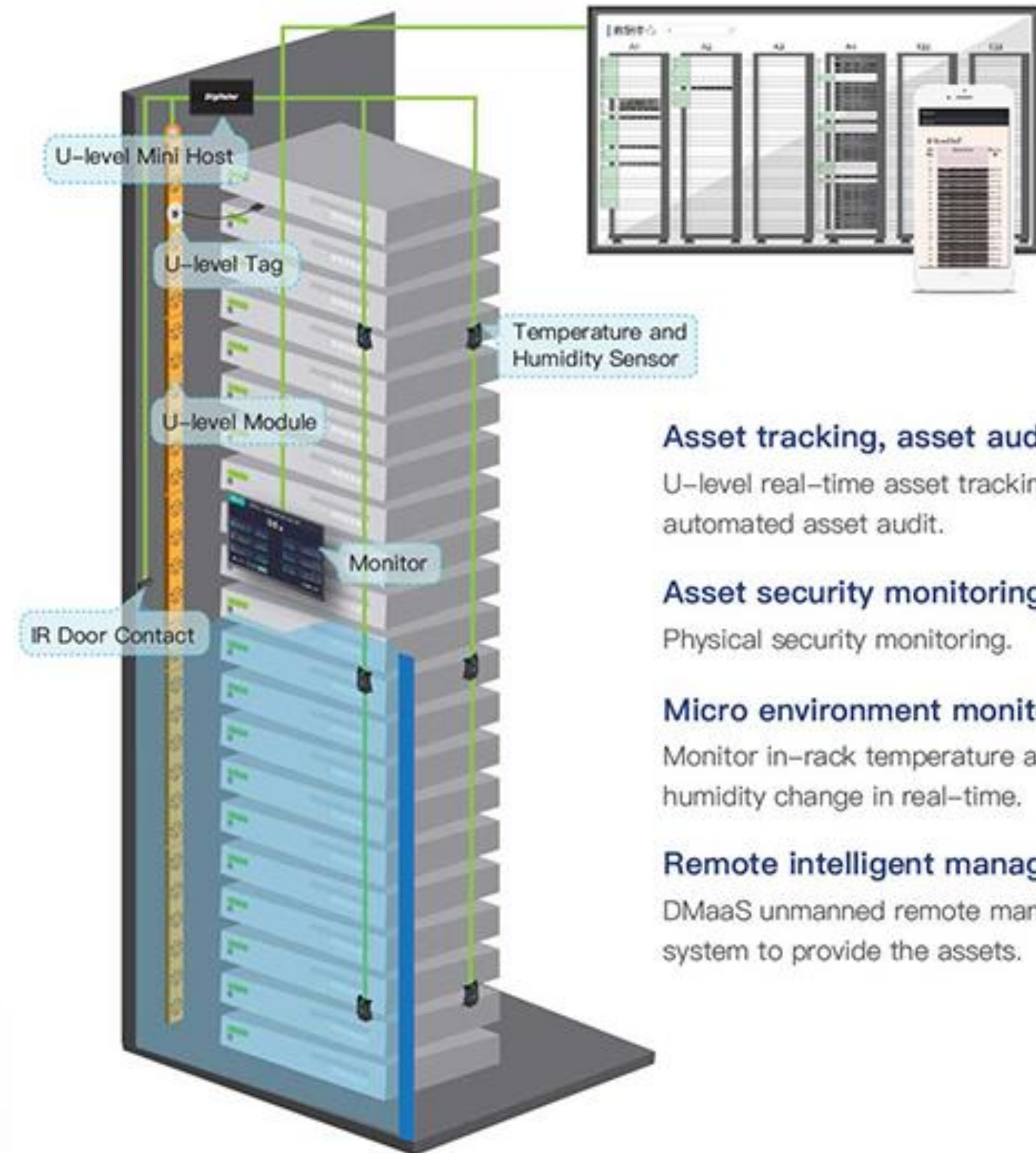
Find available rack space, maximize rack space utilization and improve ROI



How does it work?



Server



### Asset tracking, asset audit

U-level real-time asset tracking, automated asset audit.

### Asset security monitoring

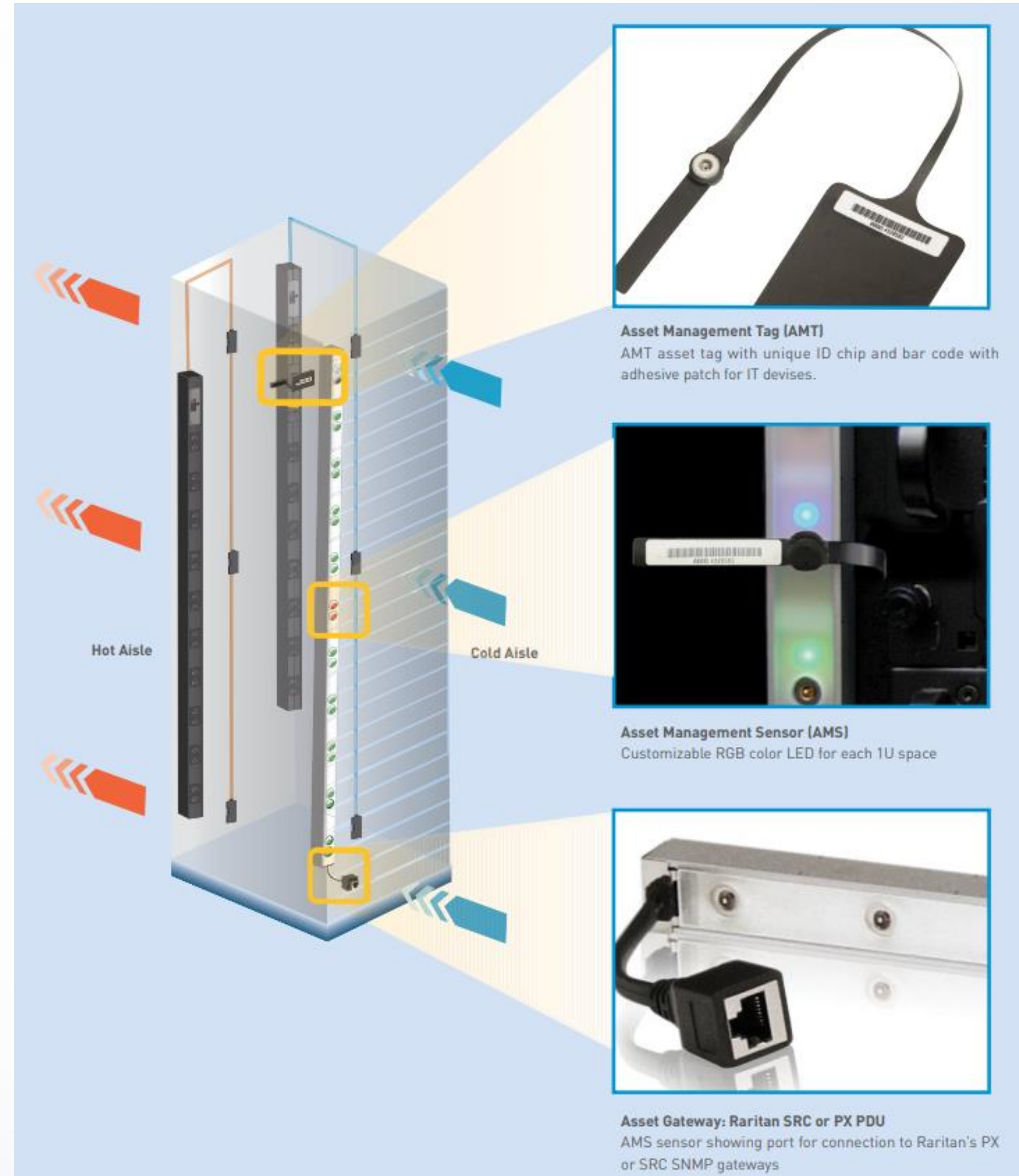
Physical security monitoring.

### Micro environment monitoring

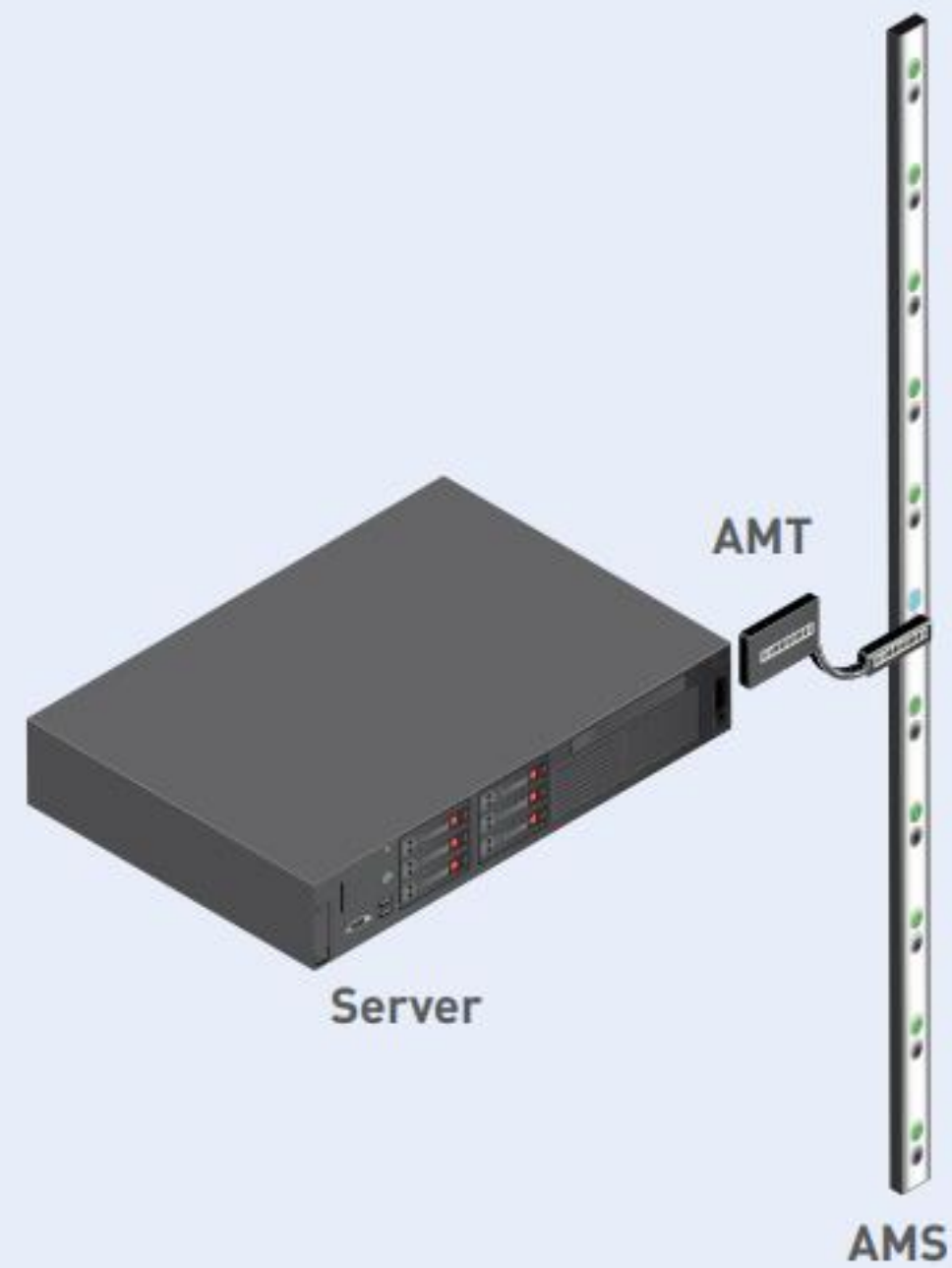
Monitor in-rack temperature and humidity change in real-time.

### Remote intelligent management

DMaaS unmanned remote management system to provide the assets.



## PHYSICAL ASSETS



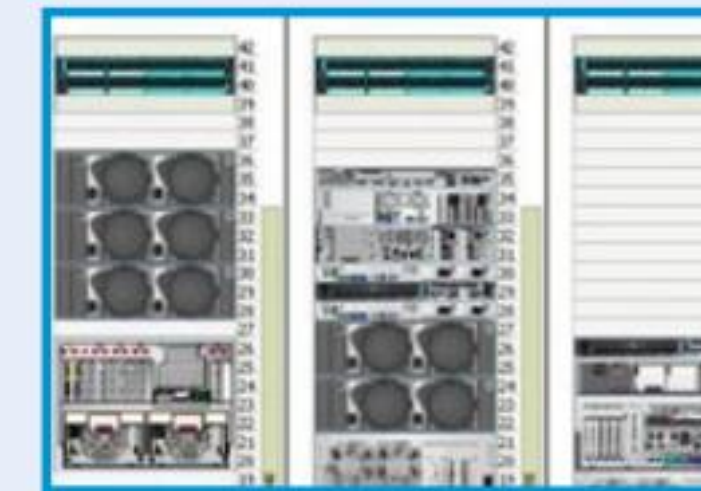
## NETWORK CONNECTION



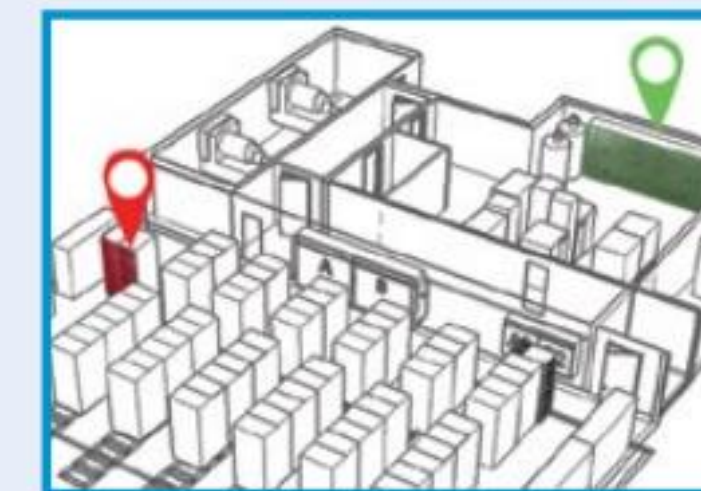
## END-USER INTERFACE



SRC and PX GUI



Cabinet Elevation



Third-Party Asset Management System

## Types of Beacon & Tag

# IOT-RFID-200 Specification



| Product Specification |                                    |          |
|-----------------------|------------------------------------|----------|
| Materials             | PCB                                |          |
| Size                  | 34mm*115mm + 310mm tail*4mm        |          |
| Parameters            | Frequency                          | 13.56Mhz |
|                       |                                    |          |
| Tamper Detection      | 1-Wire & Magnetic Attachment       |          |
|                       | Unique Identification number (TID) |          |



# Movable Assets & Handheld Tools

## Assets Tracking and Management via IoT

1. Mount IoT tags to any equipment you wish to track.
2. Self-powered tags offering a battery life span of 3 years
3. Automated check in when equipment is within range of **AEGIS IoT** Gateway.
4. View powerful analytics and last location via **AEGIS IoT** Analytics

**AEGIS IoT** IoT Tags

**AEGIS IoT** Gateway

IOT-RFID-100



GW300-E



**AEGIS IoT** Analytics

**AEGIS IoT**



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## PRODUCT DETAILS



## Never Lose a Tool Again

Tag any equipment with IoT RFID Tags

- When a tool is removed from the vehicle at a job site, the location and time of drop off are recorded.
- Once the job is completed, if a tool is forgotten once the vehicle starts moving, drivers get a message to their mobile, alerting them of the missing tool.



# AEGIS IoT



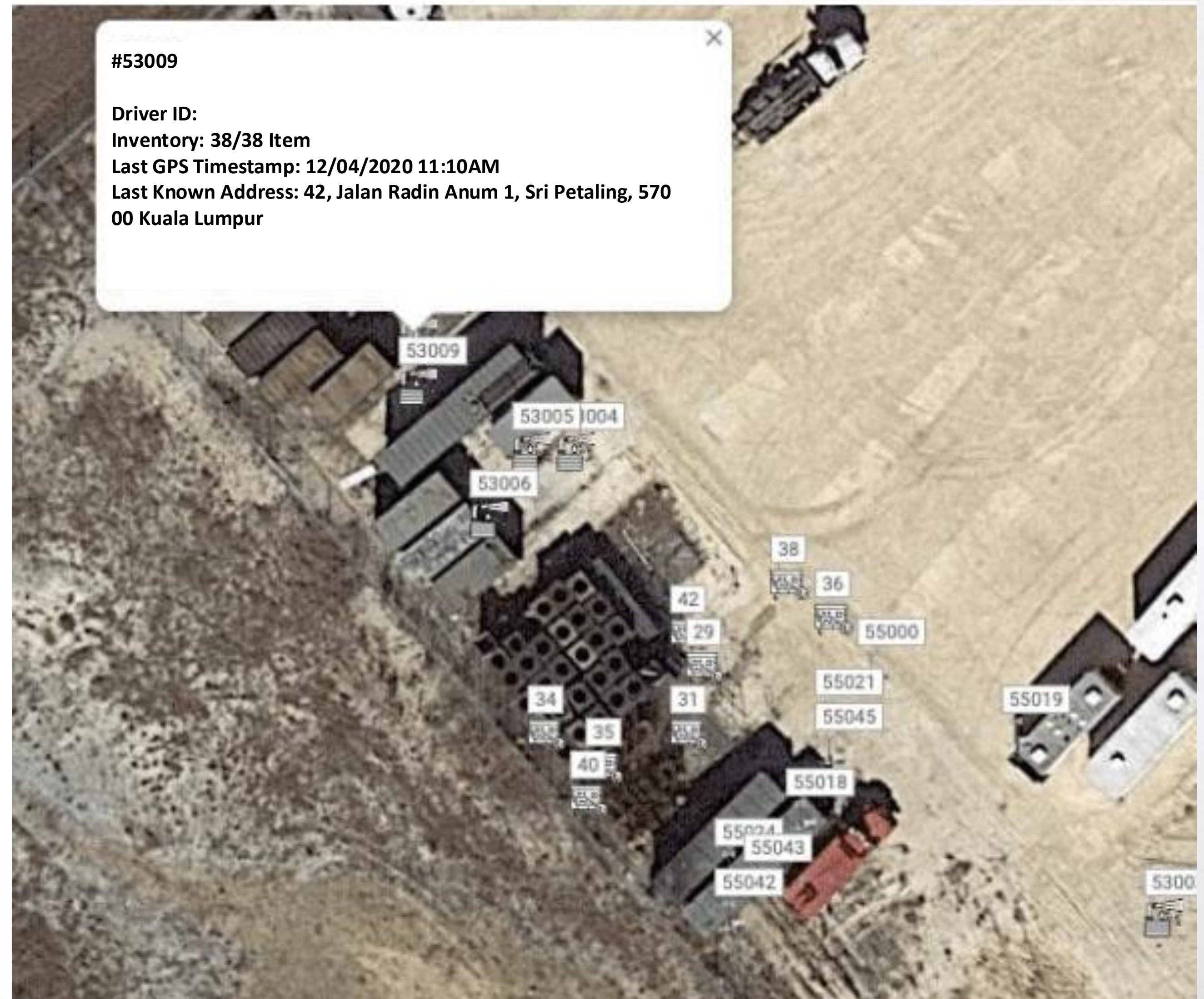
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## Total Visibility & Control (Overall)

**AEGIS IoT** cloud-based platform provides a visualized dashboard of tool pick up, drop off, location and by whom providing insight into your inventory and building accountability



# AEGIS IoT



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## Total Visibility & Control (Indoor)

**AEGIS IoT** cloud-based platform provides a visualized dashboard of tool pick up, drop off, location and by whom providing insight into your inventory and building accountability



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## Types of Beacon & Tag

# IOT-RFID-100 Specification



| Product Specification |                       |                    |
|-----------------------|-----------------------|--------------------|
| Materials             | PCB                   |                    |
| Size                  | 42mm*42mm*13mm        |                    |
| Weight                | 16g                   |                    |
| Parameters            | Frequency             | ISM2.45GHz         |
|                       | Range                 | 80-150M            |
|                       | Battery               | CR2450 Button Cell |
|                       | Voltage               | 3V                 |
|                       | Battery Life          | ~ 3 Years          |
| Environment           | Operation Temperature | -20°C ~ +60°C      |
|                       | IP Ratings            | IP65               |



# IOT-RFID-100-SLIM Specification



| Product Specification |                       |                    |
|-----------------------|-----------------------|--------------------|
| Materials             | PCB                   |                    |
| Size                  | 101.6mm*33.8mm*9.0mm  |                    |
| Weight                | 16g                   |                    |
| Parameters            | Frequency             | ISM2.45GHz         |
|                       | Range                 | 80-150M            |
|                       | Battery               | CR2450 Button Cell |
|                       | Voltage               | 3V                 |
|                       | Battery Life          | ~ 3 Years          |
| Environment           | Operation Temperature | -20°C ~ +60°C      |
|                       | IP Ratings            | IP65               |



# IOT-RFID-100-Flat Specification



| Product Specification |                       |                    |
|-----------------------|-----------------------|--------------------|
| Materials             | PCB                   |                    |
| Size                  | 88.9mm*54mm*5.1mm     |                    |
| Weight                | 16g                   |                    |
| Parameters            | Frequency             | ISM2.45GHz         |
|                       | Range                 | 80-150M            |
|                       | Battery               | CR2450 Button Cell |
|                       | Voltage               | 3V                 |
|                       | Battery Life          | ~ 3 Years          |
| Environment           | Operation Temperature | -20°C ~ +60°C      |
|                       | IP Ratings            | IP67               |



# IOT-RFID-100-GPS Specification



| Product Specification |                       |               |
|-----------------------|-----------------------|---------------|
| Materials             | PCB                   |               |
| Size                  | 113mm*76mm*32mm       |               |
| Weight                | 164g                  |               |
| Parameters            | Frequency             | 433Mhz        |
|                       | Range                 | 1000M         |
|                       | Battery               | CP1005050     |
|                       | Voltage               | 3V            |
|                       | Battery Life          | ~ 2 Years     |
| Environment           | Operation Temperature | -40°C ~ +75°C |
|                       | IP Ratings            | IP67          |



# The IoT Gateway

## GW100-E Specification



### Specifications

#### Power

12V DC, Maximum supply current: 2A

#### Environment

IP Rating: IP67

Operating temperature: -40° to +85° C

Operating Humidity: 0% to 100% (non-condensing)

#### Wi-Fi Specification

Supported Generation: 802.11b/g/n/e/i

Bandwidth: 802.11n (2.4GHz), up to 150 Mbps

Supported Wi-Fi Security: WPA/WPA2/WPA2-Enterprise

#### Radio Option

RFID 2.4GHz Or LoRa 443MHz

#### Dimensions

161 x 244 x 42mm (6.34 x 9.61 x 1.65in)

(Exclude antenna & port covers) (L x W x D)

Weight: 1100g

# Other Assets Management Technologies

# IOT-RFID-300-LORA Specification



| Product Specification |                       |               |
|-----------------------|-----------------------|---------------|
| Materials             | PCB                   |               |
| Size                  | 119mm*30.5mm*51mm     |               |
| Weight                | 164g                  |               |
| Parameters            | Frequency             | 433Mhz        |
|                       | Range                 | 1000M         |
|                       | Battery               | CP1005050     |
|                       | Voltage               | 3V            |
|                       | Battery Life          | ~ 3 Years     |
| Environment           | Operation Temperature | -40°C ~ +85°C |
|                       | IP Ratings            | IP68          |



# Implementation Process

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## Implementation Process

The implementation method described in this entry is a generic method and not a specific implementation method as such. It is based on Standard and case studies from various sources and presented as a collection of processes and products that make up a complete implementation method to allow any organization to plan and execute the implementation of the software.

We present our successful applied **DREAMS** process, which we have implemented in numerous projects. In order to meet the customer's requirements this process is extended to its full potential.



# Implementation Process



# Technical & Installation Training

## Onsite Installation Training

During the technical & installation training exercise, our skilled team of engineers will be deployed client location to conduct a training session with client's technical & engineering team.

Here we will present the industrial best practice, tip & tricks on the best mounting and installation method of the devices.

And of course, installation guide & manual will be provided.





 **QUESTIONS &  
ANSWERS**

Go ahead. **Don't hesitate.**

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# THANK YOU

For **your** attention!

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