

A person wearing a blue lab coat and a lanyard is holding a server component, likely a hard drive or SSD, in a data center. The background shows rows of server racks with blue lights.

Smart City

Smart Building

Smart Factory

Smart Agriculture

Tailor-Made IoT Solutions, Engineered to Fit

AGMT Company Profile 2026



About AGLory Merit Technology Sdn. Bhd. (1598149-T)

Who We Are

AGM Tech is a professional IoT solution provider. We design, build and operate **tailor-made IoT solutions** for Smart City, Smart Building, Smart Factory and Smart Agriculture.

Our solutions are built on **Multi-functional IoT gateways, powerful main controllers, edge controllers and RFID smart terminals**, combined with a rich portfolio of wireless sensors and an open IoT platform.

From sensing and connectivity to platform and application, we deliver the complete chain end-to-end — turning field data into actionable intelligence and measurable savings for our customers.



Powerful Core Hardware

IoT gateway · Controllers · RFID smart terminals — the core of every solution



Full-Stack Delivery

Consulting, solution design, deployment, training and long-term operation



Open Connectivity

LoRaWAN®, 5G/4G, BACnet/Modbus, KNX, M-Bus, MQTT/HTTP open interfaces



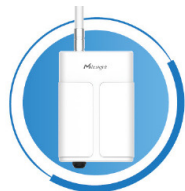
4 Focus Industries

Smart City · Smart Building · Smart Factory · Smart Agriculture

► **From device to platform — one partner for the complete IoT value chain.**

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Core Competency: Powerful IoT Hardware



IoT Gateway

Connectivity backbone

- Indoor / outdoor LoRaWAN® gateways
- Embedded network server, MQTT/HTTP(S) API
- Up to 15 km range, thousands of sensor nodes
- Node-RED & Docker for on-gateway customization



Main Controller

Building IoT brain

- Wired + wireless: RS485, KNX, M-Bus, LoRaWAN®
- BACnet/Modbus, MQTT — plug-and-play with BMS
- On-board display for on-site commissioning
- IPsec/OpenVPN security



Edge Controller

Local logic at the edge

- DI/DO, RS232/RS485 data acquisition & control
- Modbus RTU ↔ LoRaWAN®/4G transparent bridge
- Local rules keep running even when offline
- IP68 versions for harsh outdoor environments

End-to-End Delivery Process



► **Chip-level hardware dev., we customize what off-the-shelf cannot.**

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Business Portfolio (I) — By IoT Technology Architecture

APPLICATION Industry applications & dashboards

Energy · comfort · space · safety analytics and visualization for Smart City / Building / Factory / Agriculture

PLATFORM IoT platform & device management

Device management system, IoT cloud, rule engine & smart linkage, VPN remote access

NETWORK Gateways & industrial connectivity

Multi-functional LoRaWAN® gateways (indoor/outdoor/solar), main & edge controllers, 5G/4G industrial routers, CPE, DTU

PERCEPTION Sensing, identification & data acquisition

Environment · energy · occupancy · safety & security · distance/level · soil sensors · UHF RFID identification

Data becomes value

from field sensing up to business applications

Why it matters

Self-developed network & edge layers let us adapt protocols, logic and integrations to each project — true customization, fast delivery.

► **One architecture, every layer covered — sense, connect, manage, apply.**

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Business Portfolio (II) — By Application Domain

Environmental Monitoring

Indoor air quality (T/RH, CO₂, PM2.5, TVOC), noise, outdoor & harsh-environment sensing

Energy Management & Control

Current & power monitoring, smart MCBs, lighting, HVAC & fan-coil control

Space & People Analytics

AI / ToF people counting, desk & meeting-room occupancy, passenger flow analysis

Safety & Security Sensing

Smoke & water-leak detection, door/window status, fall detection, asset positioning

Distance & Level Measurement

Ultrasonic / radar / laser: waste bins, parking bays, tanks, drainage & pipelines

Data Acquisition & Actuation

Multi-interface collectors, solenoid / motorized valve controllers, DTU & remote I/O

► **Modular building blocks, tailored into the right solution every time.**

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Business Portfolio (III) — RFID Smart Asset Management



Smart Tool Cabinet

RXW-G01

- Automated tool check-in / check-out
- 10 s one-click full inventory
- 24/7 unattended, traceable to person



RFID Smart Tool Cart

RXW-G04

- Mobile line-side tool management
- 300 tools counted within 7 s
- 10 h+ battery · aviation FOD ready



RFID Scanning Tunnel

RXW-P01

- Bulk in/out scanning, 1,000+ items/pass
- Anti cross-reading shielded design
- Apparel, linen, meters & warehousing



Smart Reagent Cabinet

RXW-S01

- Hazardous chemical access control
- Face ID + dual-person dual-lock
- VOC monitoring, leak tray, venting

Scenario Solution — OR Scrub & Behavior Management

RFID-tagged scrubs & footwear with automatic dispensing, recycling and access-control terminals for hospitals.

3 s

per garment dispensing

<1%

garment loss rate

-1/3

scrub inventory stock

100%

RFID traceability

► **UHF RFID gives every asset an identity — nothing lost, all traceable.**

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Industry Solutions — Smart City & Smart Building

Smart City

- Street & public-area environmental sensing, noise and air quality
- Waste-bin fullness, smart parking bay and toilet-occupancy detection
- Drainage level, pipeline pressure and flood early-warning
- Solar-powered gateways for wide-area, off-grid coverage

-60~70%

deployment cost vs. wired retrofit

15 km

LoRaWAN® coverage per gateway

Smart Building

- Energy management: metering, analytics and smart HVAC / lighting control
- Indoor air quality and comfort for offices, hotels and data centers
- Meeting-room & workspace occupancy, people-counting analytics
- Water-leak, smoke and electrical-safety early warning, ESG reporting data

-20~30%

building energy consumption

+30~40%

space & meeting-room utilization

► **Wireless-first: minimal wiring, minimal disruption, measurable ROI.**

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Industry Solutions — Smart Factory & Smart Agriculture

Smart Factory

- Utility metering: electricity, water & gas with automatic meter reading
- Production environment, equipment temperature & current monitoring
- Pipeline pressure, tank level and leak detection for utilities
- 5G/4G industrial routers for reliable machine connectivity

7×24

continuous condition monitoring

-30%*

unplanned downtime (*typical project)

Smart Agriculture

- Greenhouse climate: temperature, humidity, CO₂ and light monitoring
- Soil moisture, temperature & EC for precision fertigation
- Remote valve & pump control for automated irrigation
- Solar-powered gateways and IP68 sensors for open-field deployment

-40%

irrigation water consumption

-80%

manual field patrols & inspections

► **Battery- and solar-powered devices bring IoT where cables cannot go.**

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Why AGMT — Service & Delivery You Can Rely On

1

Consulting & Solution Matching

Requirement analysis, feasibility study and technology road-mapping — we translate business needs into deployable IoT designs.

2

Quick PoC & Project Design

Quick proof-of-concept support, detailed system design and risk identification.

3

Deployment & Training

Professional on-site installation, commissioning, BMS/IT integration and hands-on training for your team.

4

Operation & Support

Fast-response support, remote monitoring, firmware upgrade and warranty-backed maintenance.

What Makes Us Different

- Multi-functional gateway, powerful main & edge controllers
- Tailor-made solutions, not one-size-fits-all products
- Open standards: LoRaWAN®, BACnet, Modbus, MQTT, API
- One partner from sensor to dashboard — single accountability
- Local team in Malaysia, serving fast-growing ASEAN market

Let's talk about your project

Talk to our team about a quick PoC for your site.
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► Elevate your comfort with expertise — let's build your IoT together.

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