



Transforming your network into a powerful platform for real-time environmental and operational intelligence.



Enabling the true value of digital connectivity

Visit **www.mobiusflow.com** to learn more about our solutions and find an approved provider near you or contact us directly via email: **shawn.pedersen@mobiusflow.com** or call: 604-815-7057



With HPE Aruba Networking, the foundations are already in place - just add **MobiusFlow**.

Buildings and the operations carried out within them are under increasing pressure to do more. From corporate workplaces to manufacturing and operational technology (OT) production environments, organisations must deliver better experiences, improve efficiency, reduce costs and maintain continuous visibility into performance. Yet many are still held back by fragmented systems. Sensors, IT networks, and OT often operate in silos, making it difficult to respond quickly, optimise utilization/production, or detect issues before they impact uptime, output, or safety.

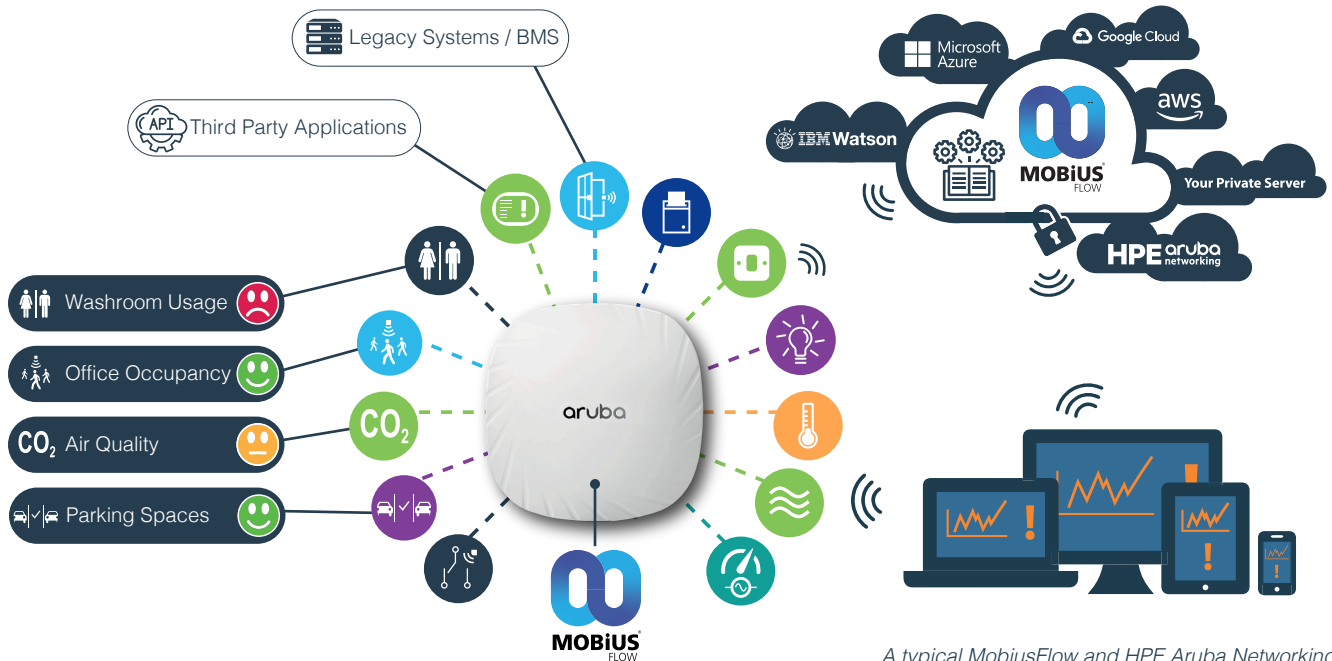
However the foundation for smarter operations is already in place. Modern enterprise Wi-Fi networks are pervasive, resilient, and continuously managed at scale. Across offices, campuses, and industrial sites, this infrastructure already connects people, devices, and increasingly, machines. With the right data layer, it can be transformed into a powerful platform for real-time environmental and operational intelligence—bridging the gap between IT and OT and enabling greater visibility across environments.



Just add **MobiusFlow**.

That's where HPE Aruba Networking and MobiusFlow come together. By turning Aruba access points into secure IoT gateways and enabling seamless data integration through MobiusFlow, organizations can unify data from building systems, sensors, and OT production assets into a single, actionable view. The result is a more intelligent, connected operation where facilities, IT, Users and production teams share real-time insight, decisions happen faster, and environments continuously adapt to improve efficiency, uptime, and overall performance.





A typical MobiusFlow and HPE Aruba Networking installation, using sensors from multiple manufacturers, third party applications and BMS data being transmitted securely to the cloud and local devices through the Aruba network.

Why HPE and MobiusFlow?

- Smart Building Enablement**
 MobiusFlow leverages HPE Aruba Access Points as IoT gateways, eliminating the need for new cabling or proprietary hardware. This significantly reduces installation time, cost, and disruption.
- Rapid Sensor Deployment at Scale**
 Alongside the built-in BLE (Bluetooth Low Energy) capability of the Access Points, additional EnOcean USB dongles, can connect to battery-free sensors that monitor occupancy, temperature, humidity, CO₂, and air quality. This makes the solution ideal for retrofits and large, distributed estates.
- Real-Time Operational Visibility**
 MobiusFlow aggregates data from sensors, networks, and systems, delivering real-time insights via dashboards or integration with third-party platforms.
- Secure Edge-to-Cloud Architecture**
 Aruba provides secure edge connectivity, while MobiusFlow orchestrates data from the edge to the cloud—supporting multi-site deployments and centralized management.
- Vendor-Agnostic and Future-Ready**
 Supporting over 100 protocols and data sources, MobiusFlow avoids vendor lock-in and allows customers to expand and adapt their environments as needs evolve.
- Built for Enterprise Environments**
 The joint solution is designed for offices, education, healthcare, industrial and public sector settings where security, scalability, and uptime are critical.

Connect, Control, Communicate



MobiusFlow Overview

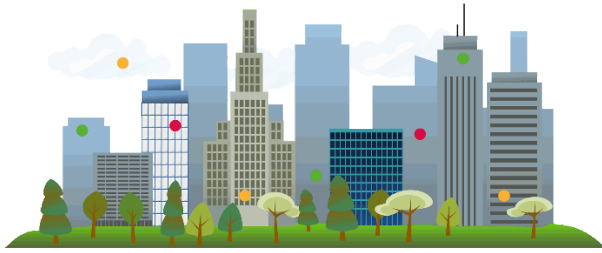
MobiusFlow is a UK-based IoT middleware platform that enables organisations to connect, manage, and operationalise data across smart buildings, industrial facilities and infrastructure.

- **Protocol-agnostic connectivity**
Supports 100+ protocols (e.g. Bluetooth Low Energy (BLE), LoRaWAN, EnOcean, Modbus, BACnet, MQTT, REST, Azure IoT Hub) for seamless integration with existing systems.
- **Unified data layer**
Normalises data from multiple sources for real-time monitoring, analytics, and reporting.
- **Automation and rules engine**
Enables event-driven workflows, alerts, and use cases such as energy optimisation and predictive maintenance.
- **Edge-to-cloud integration**
Securely connects devices to cloud platforms for advanced insights and visualisation.
- **Scalable management**
Designed for multi-site deployments with centralised control and device lifecycle management.
- **Secure and compliant**
Built for regulated environments, supporting governance, privacy, and sustainability goals.

Broad Markets and Applications

Smart Buildings / Campus

- Office occupancy
- Energy monitoring
- Air quality
- Smart parking
- Lighting control
- Facilities management
- BMS integration



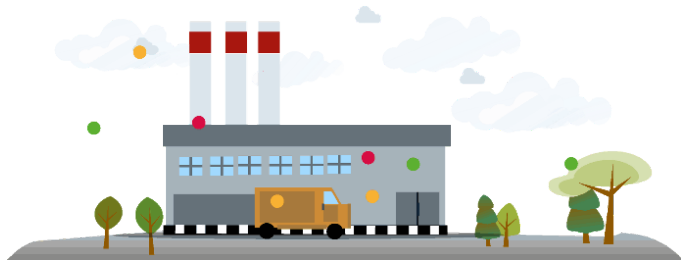
Environmental / Agriculture

- Outdoor air quality
- Noise and vibration monitoring
- Soil quality
- Silo level monitoring
- Water quality and levels
- Pollution levels



Smart Manufacturing / Production

- Predictive maintenance
- Vibration alerts
- Condition monitoring
- Anomaly detection
- Error detection
- Asset tracking
- Health and safety



Healthcare / Assisted Living

- Alert monitoring
- Room occupancy
- Patient tracking
- Cleaning schedules
- Maintenance and compliance
- Critical asset tracking



Mining, Oil and Gas Operations

- Remote machine monitoring
- Site safety
- Asset tracking
- Predictive maintenance
- Energy consumption
- Environmental conditions
- Facilities management



Better Together

- **Ease of system integration**

HPE Aruba Networking provides secure, scalable wireless infrastructure to connect sensors and devices at the edge. Access points with built-in BLE (Bluetooth Low Energy) capability combined with EnOcean dongles, enable sensor data collection without additional hardware.

- **Simplified data ingestion**

MobiusFlow ingests and contextualises the data, mapping it to spaces and assets while applying rules, thresholds, and logic. Insights are delivered via dashboards or integrated into third-party platforms through APIs.

- **Unified interface and data visualisation**

Dashboards and analytics that brings together data from multiple systems, tools, or sources into one place. Together, the solution provides a single operational view across network performance, space utilisation, and environmental conditions reducing tool sprawl and enabling faster, data-driven decisions.

- **Delivering value**

This approach accelerates deployment, reduces capital expenditure, and unlocks maximum value from existing Aruba infrastructure.

- **Future proof**

This system architecture enables vendor agnostic expansion allowing the selection of OT technology from a broad supplier base at competitive costs



Unique Value Proposition

- **Joint HPE Aruba Networking and MobiusFlow**

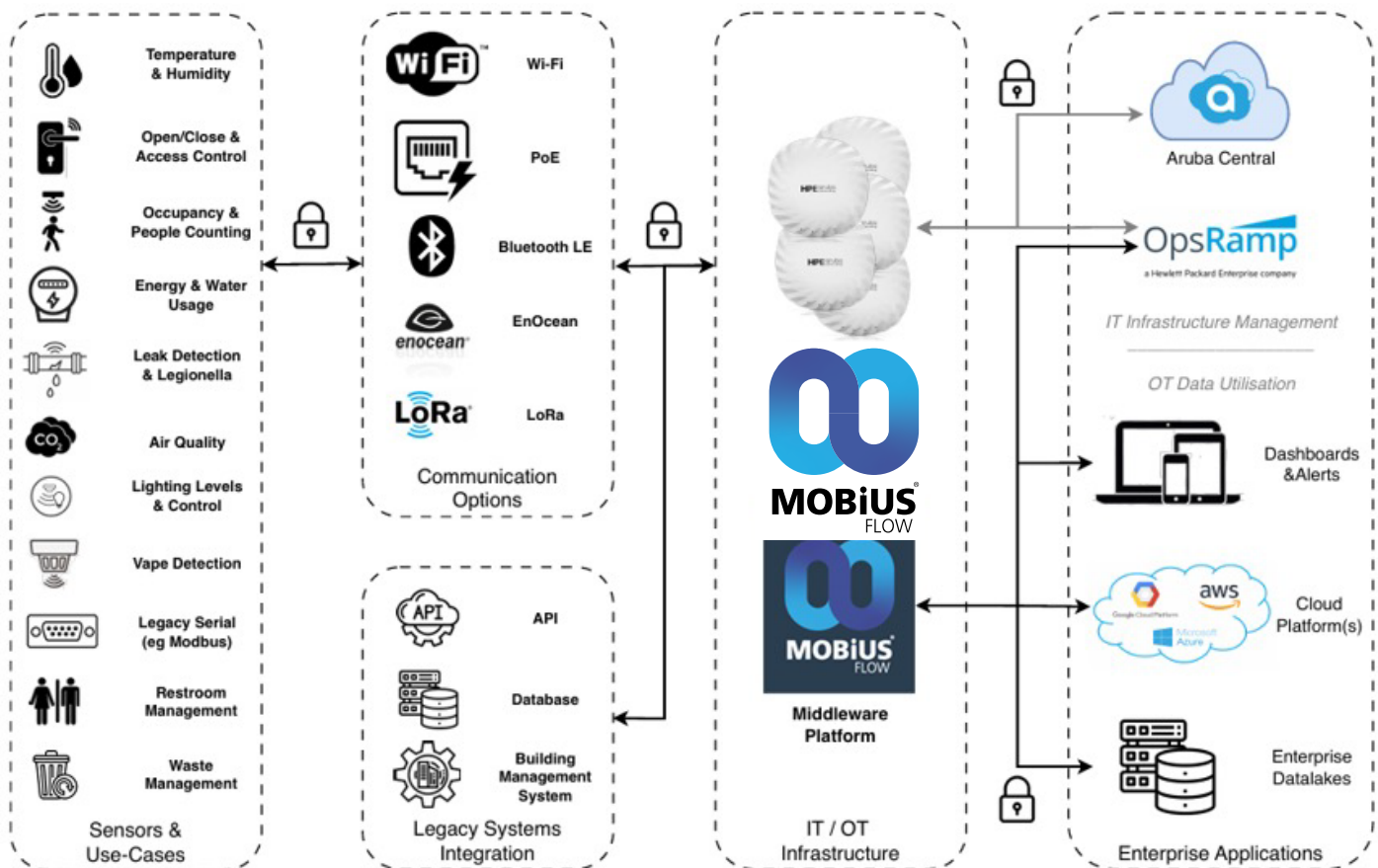
This solution transforms existing and new enterprise Wi-Fi infrastructure into a scalable smart building and industrial IoT platform without added architectural complexity or new gateway hardware. Aruba Access Points act as secure IoT edge gateways, while MobiusFlow provides a unified, protocol-agnostic middleware layer that integrates sensors, building systems, industrial equipment, and analytics platforms.

- **Scalability, simplicity and cost effective**

This edge-to-cloud architecture reduces deployment time and cost while maintaining enterprise-grade security and control. It is ideally suited to retrofit, multi-site, regulated, and manufacturing environments where operational continuity and minimal disruption are critical. By combining Aruba's secure connectivity with MobiusFlow's data orchestration and automation, organizations gain real-time visibility into occupancy, environmental conditions, production environments, and system performance. This enables improved workplace experience, operational efficiency, energy optimisation, and sustainability outcomes in a simple, scalable, and future-ready solution.



Certified Interoperable



- **Removing complexity**

We remove the complexity from smart building and environmental monitoring through certified interoperability between MobiusFlow and HPE Aruba Networking. This ensures faster setup, simpler deployment, faster return on investment and easier long-term maintenance across environments including manufacturing, industrial, healthcare, and commercial estates.

- **Deployment is streamlined and consistent.**

Aruba access points function as secure IoT gateways, connecting to supported sensor types including built-in BLE (Bluetooth Low Energy) and EnOcean via approved interfaces. MobiusFlow ingests and normalises sensor data, aligns devices to spaces and assets, and routes information into dashboards, analytics platforms, or building systems via APIs. This standardised approach reduces commissioning effort and ensures consistent performance across manufacturing facilities, industrial sites, hospitals, and multi-site estates.

- **Designed for scalable, multi-site operations**

Aruba Central enables centralised network management, while MobiusFlow supports multi-tenant and portfolio-level deployments with repeatable configuration models. Because integrations follow a certified, standardised pattern, ongoing support and maintenance are simplified—reducing custom engineering effort and making upgrades easier to manage.

Summary

A key advantage of MobiusFlow is its ability to unlock the latent wireless capabilities already built into the infrastructure. MobiusFlow leverages the native Bluetooth Low Energy (BLE) functionality of compatible Access Points, alongside EnOcean and other wireless technologies, enabling rapid deployment of sensors and devices without additional hardware costs. This expands the range of supported use cases, increases flexibility in sensor selection, and gives building owners and operators greater freedom to adopt the most appropriate technologies for their specific requirements. By making these capabilities accessible through a single platform, MobiusFlow helps future-proof deployments while reducing complexity and cost.

Unified IoT for Smart Buildings, Industry, & Healthcare

HPE Aruba Networking's secure, scalable infrastructure provides the ideal foundation for deploying MobiusFlow across facilities of any size. Together, HPE Aruba Networking and MobiusFlow deliver a future-ready, cost-effective solution that enhances operational efficiency, enables healthier environments, and supports sustainability reporting across offices, education, healthcare, industrial, and public sector environments.

Find out more

Contact your local HPE representative to learn more about how this solution can support your organization's goals or visit www.mobiusflow.com to find one of our approved solutions providers or contact us directly:

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