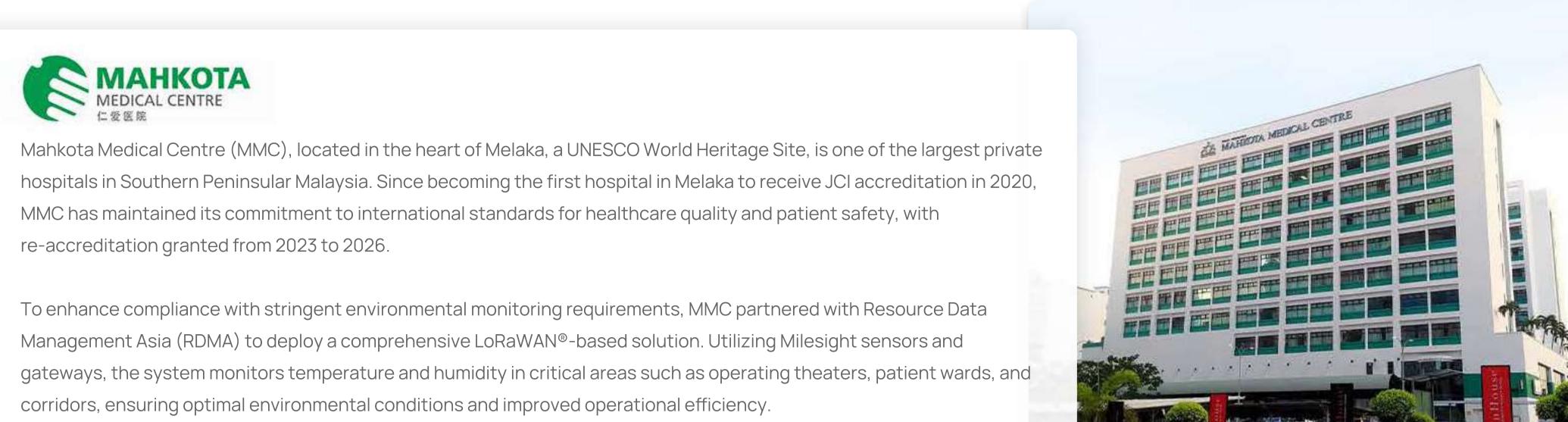


Background



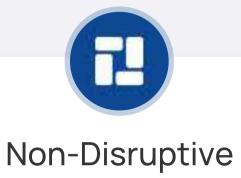
Challenges





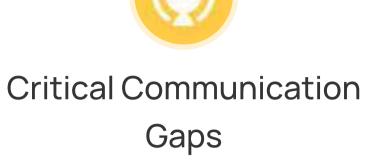
The hospital's multi-floor layout, thick walls, and potential signal interference made full coverage difficult.

Environment

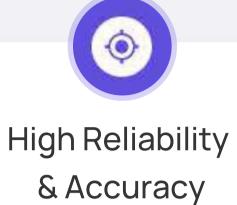


Deployment

A wireless solution with minimal maintenance was required to avoid disruptions in a 24/7 healthcare setting and reduce operational impact.



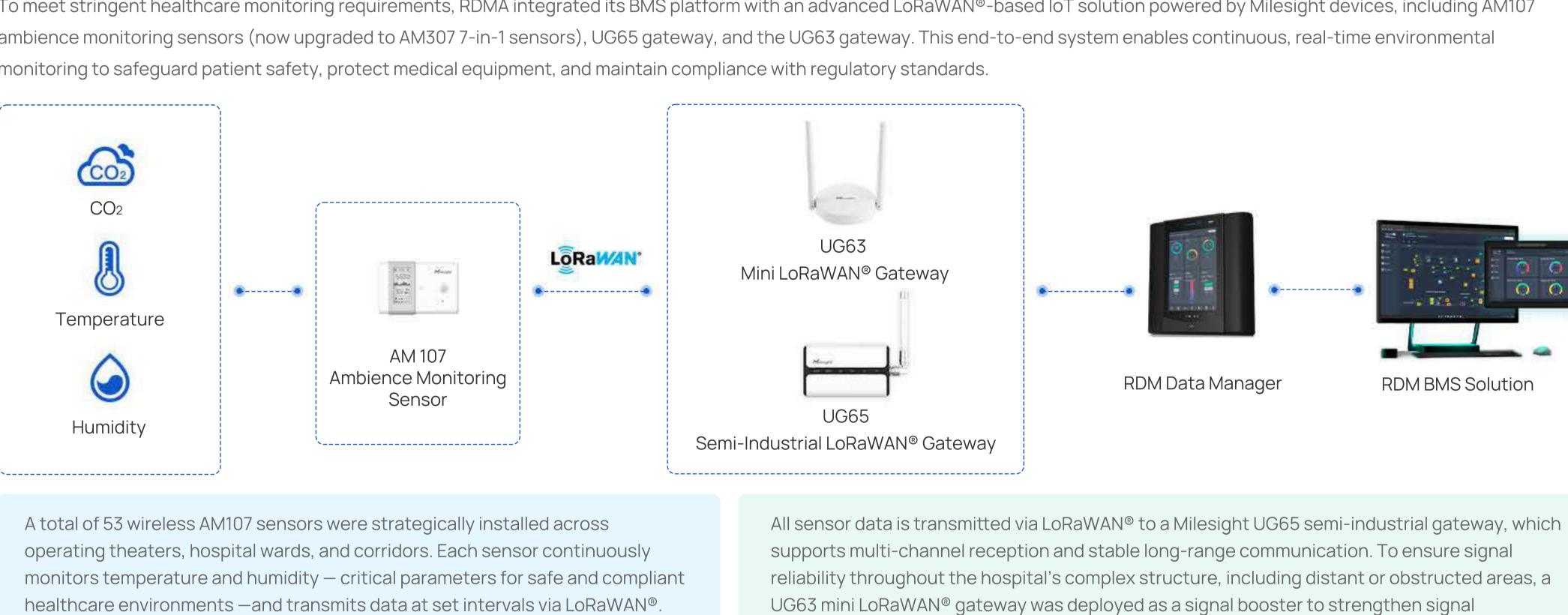
Ensuring stable and uninterrupted data transmission throughout all facility zones was crucial to safeguard patient safety and meet compliance standards.



The system needed to provide dependable, high-precision data with real-time alerts for any environmental deviations.

Solution

To meet stringent healthcare monitoring requirements, RDMA integrated its BMS platform with an advanced LoRaWAN®-based IoT solution powered by Milesight devices, including AM107 ambience monitoring sensors (now upgraded to AM3077-in-1 sensors), UG65 gateway, and the UG63 gateway. This end-to-end system enables continuous, real-time environmental monitoring to safeguard patient safety, protect medical equipment, and maintain compliance with regulatory standards.



transmission and extend coverage.

regulatory standards.

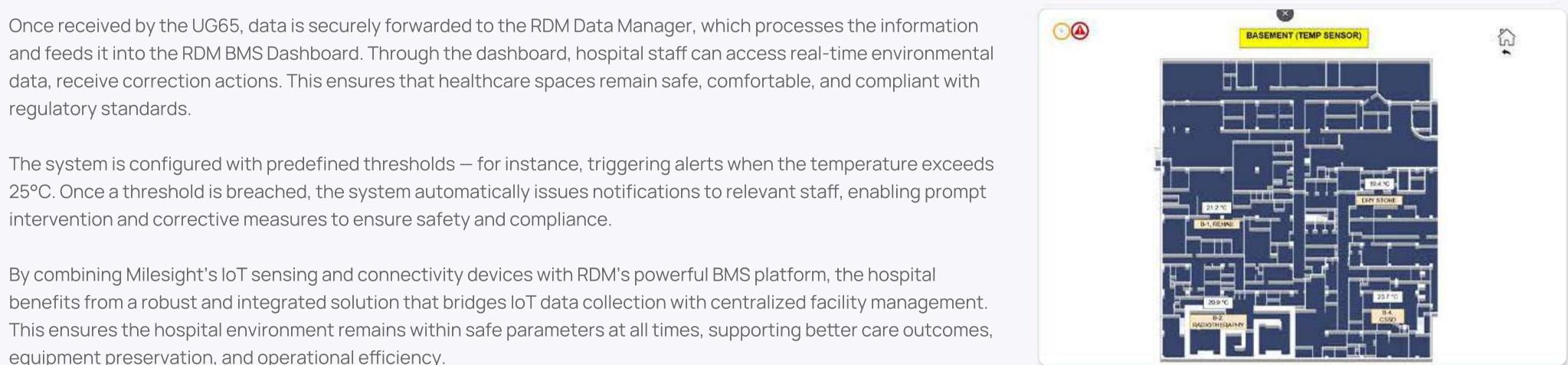
The system is configured with predefined thresholds — for instance, triggering alerts when the temperature exceeds 25°C. Once a threshold is breached, the system automatically issues notifications to relevant staff, enabling prompt intervention and corrective measures to ensure safety and compliance.

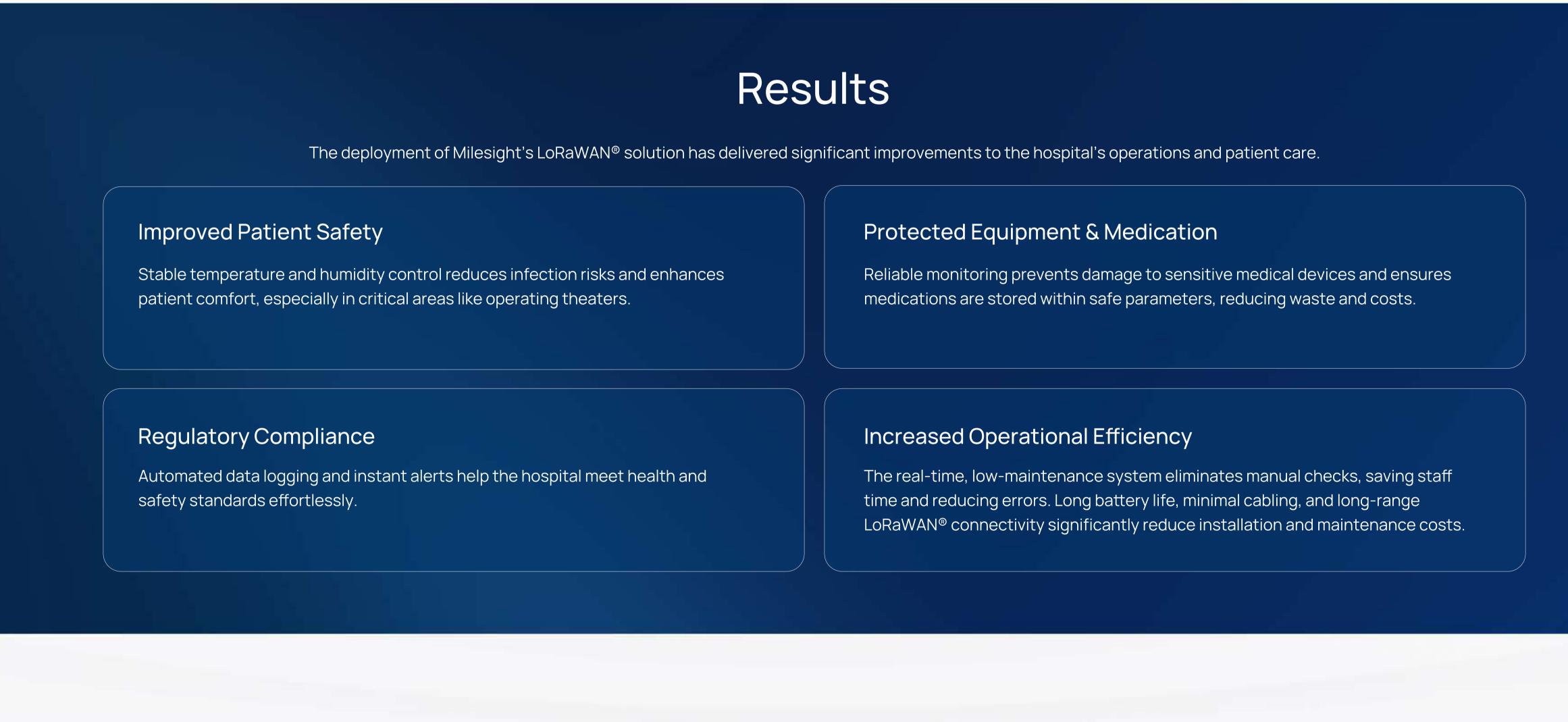
By combining Milesight's IoT sensing and connectivity devices with RDM's powerful BMS platform, the hospital

Once received by the UG65, data is securely forwarded to the RDM Data Manager, which processes the information

data, receive correction actions. This ensures that healthcare spaces remain safe, comfortable, and compliant with

This ensures the hospital environment remains within safe parameters at all times, supporting better care outcomes, equipment preservation, and operational efficiency.



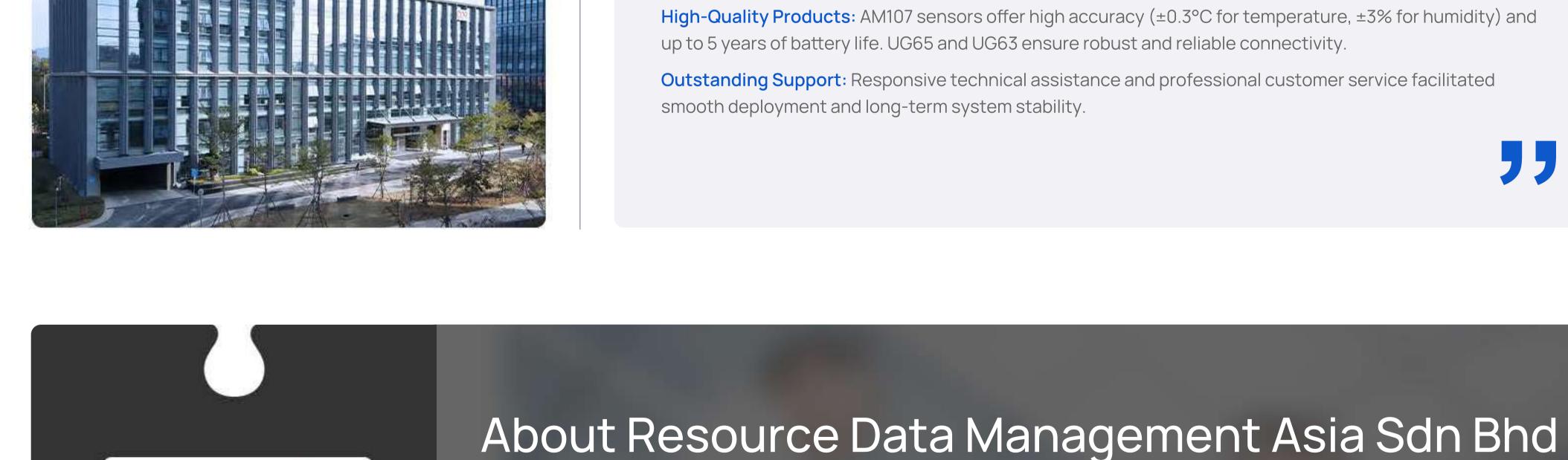


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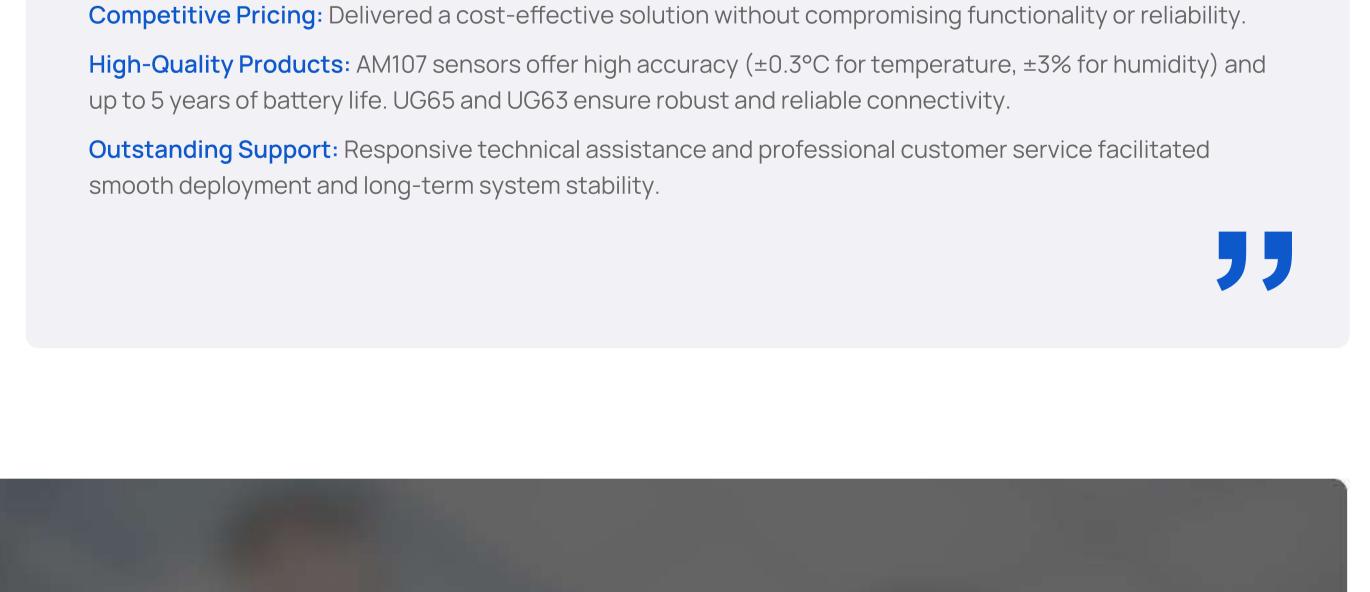
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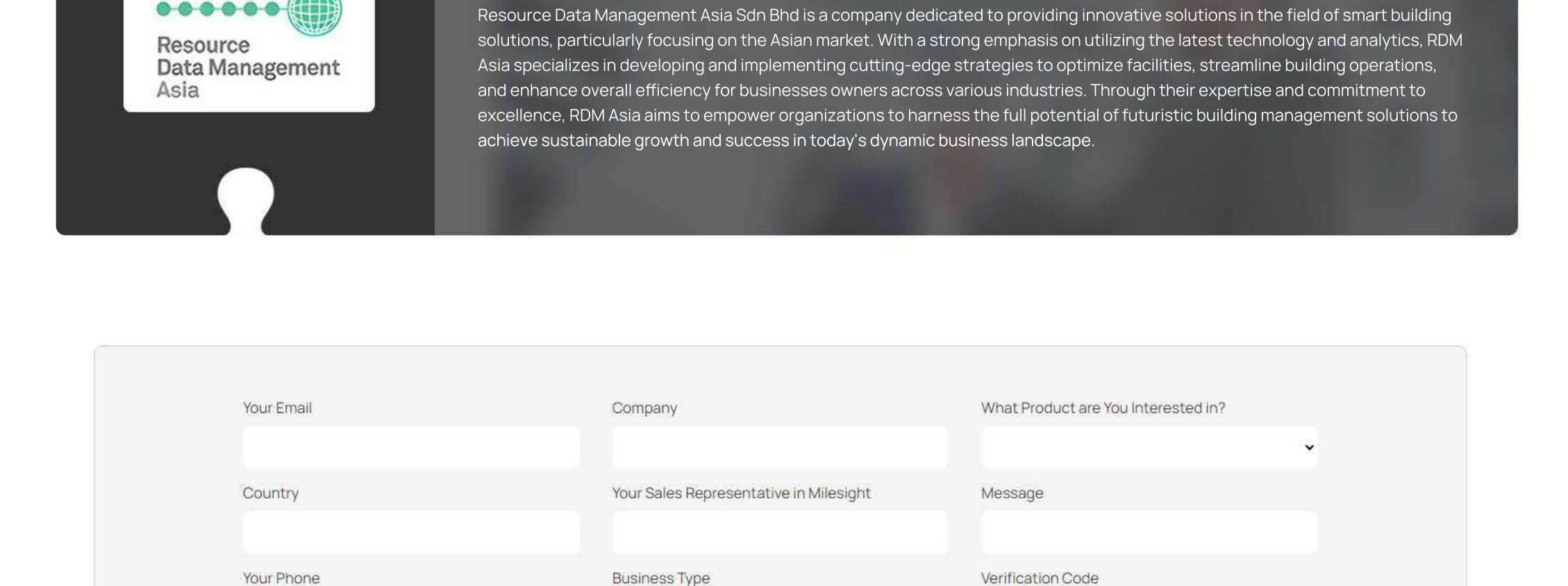
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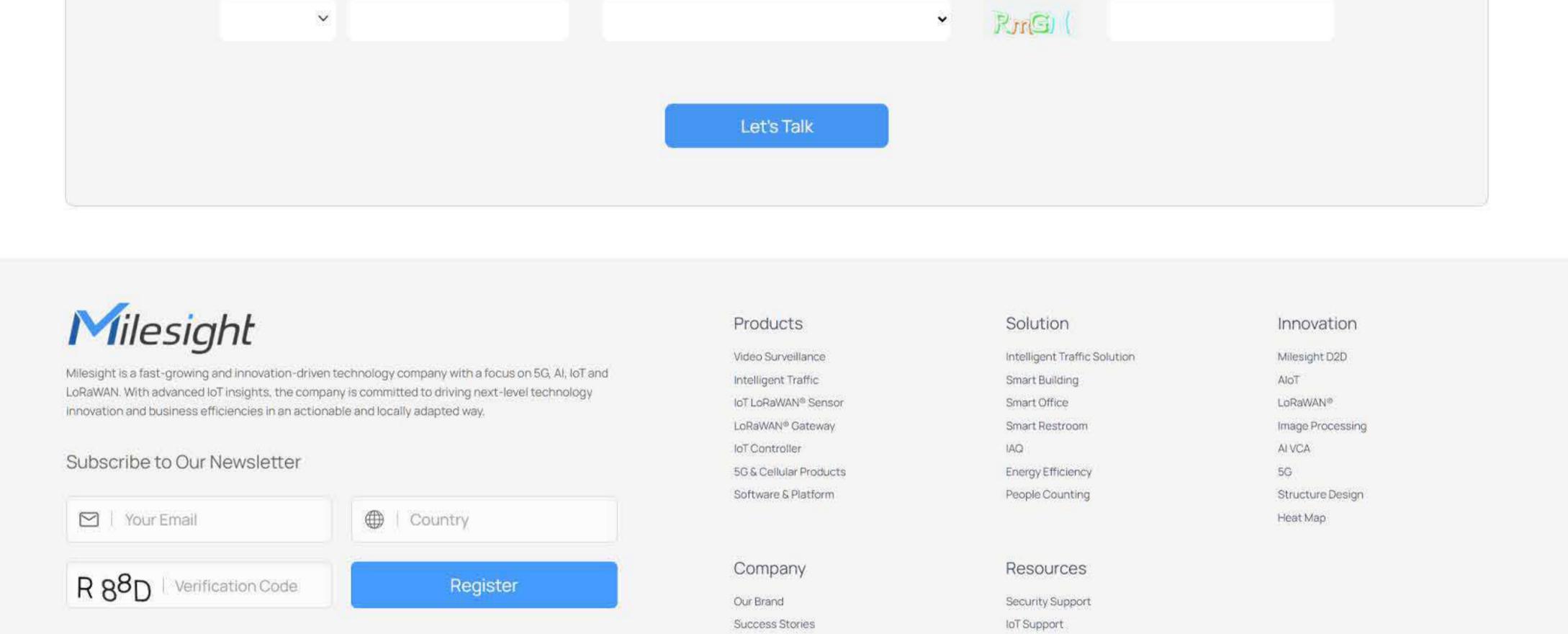
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Milesight was selected for its compelling combination of value, performance, and support.





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