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Wireless Exit Signs

Thingsquare helped a leading exit sign manufacturer make their signs wireless

Customer:
Multinational exit sign manufacturer

Market:
Industrial lighting

Outcome:
New wireless product line

A multinational exit sign manufacturer wanted a wireless status monitoring for their exit signs.

The company chose Thingsquare to build a proof-of-concept.

Based on the successful proof-of-concept, executives decided to launch new wireless product line.

Challenge

Exit signs are deployed in large volumes in buildings, but regulations require them to be monitored to ensure that they are always working.

Monitoring is traditionally made by employees manually checking each sign in regular intervals.

This is both expensive and error-prone and an automated mechanism in beneifical.

Existing wireless solutions based on WiFi or cellular are not able to cover entire buildings.

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Solution

By adding a wireless chip to each exit sign, the exit signs can automatically form their own wireless mesh network.

Every sign periodically report their status through the wireless network. Since all exit signs are always online, the status of individual exit signs can also be checked.

The wireless mesh network can also be connected to the building's automation system, for integration with existing automation mechanisms.

The wireless exit signs are part of the wireless mesh structure inside their buildings.

Outcomes

- Adding wireless mesh network capabilities allow all exit signs in a building to be online, all the time.

- Thingsquare was commissioned to build a proof-of-concept system.

- Based on the successful proof-of-concept, the customer decided to launch a new product line.

Let Thingsquare Help You Succeed With Your Wireless Project

Check out our IoT solution planner at

www.thingsquare.com