thingsquare

Customer Success Story

Wireless Emergency Lighting

Thingsquare helped a leading emergency lighting manufacturer introduce a new wireless product line

Customer:

Leading emergency lighting manufacturer

Market:

Industrial lighting

Outcome:

New wireless product line

A leading manufacturer of emergency lighting equipment needed wireless monitoring for their lights.

The company chose Thingsquare for the wireless control or their product.

After less than one year of development, the product is now in production with thousands of lamps sold every month.

Challenge

The back-up batteries in emergency lighting systems are required to be monitored, by regulations.

Previously this required personnel to manually check each light.

Wireless, automatic monitoring drastically cuts operating costs. But wireless monitoring of emergency lights is hard because lights are installed in vast spaces in large buildings. Sometimes in deep cellars.
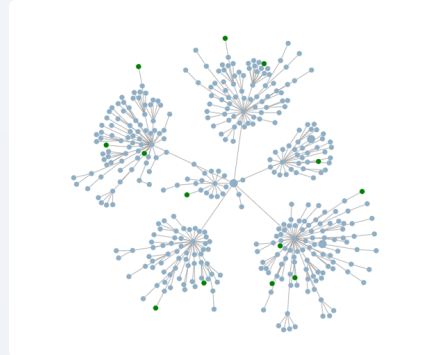
And each building may have hundreds, sometimes thousands, of lights.

Solution

The solution consists of a wireless controller chip designed into the hardware of each light and a local controller with a touch display which is installed in each building.

The lights form a wireless mesh network that spans the entire building and reaches even into difficult spots such as cellars.

To speed up production, we developed a custom production testing system which allows hundreds of newly produced lights to be tested before being sent to the customers for installation.

The wireless mesh network spans entire buildings and supports thousands of devices per building

Outcomes

- Introduction of a new wireless product line that opens new business opportunities

- Wireless, automatic monitoring drastically cuts operating costs for the end customer

- Several thousands of new lights sold per month

Let Thingsquare Help You Succeed With Your Wireless Project

Check out our IoT solution planner at

www.thingsquare.com