

# Abnormality detection and deterioration diagnosis of housing facilities

#Wiring/Distribution #Housing Diagnosis #Fire Prediction #Indoor Control #Equipment Sensor/Data #Remote Maintenance #Breaker #Resilience #Replacement/Update



**Panasonic  
Accelerator**

by Electric Works Company

## Division/Department

Energy Systems Business Division / Power Components Business Unit



## Business Overview

Handling commercial products that provide security, safety, and comfort for residential and non-residential power distribution infrastructure Wiring, piping, and electric lines (commercial products: switches, outlets, distribution boards, conduit, duct rails, etc.)

## Target Markets

Housing

Non-residential  
Offices, Factories  
Stores, Hotels

## Issue

Creation of new businesses by utilizing the location of power distribution infrastructure such as walls, ceilings, and floors(e.g., improving house value through diagnosis of house frame condition, etc., safety and security, comfort through understanding of space conditions, etc.)  
Challenge to new power distribution infrastructures(Expand business from the current focus on the new construction market to the stock market) (e.g., building a mechanism to stimulate replacement demand, to expand business from the current focus on the new construction market to the stock market)

## Assets

- (1) Distribution infrastructure products such as switches, outlets, and distribution boards and their locations
- (2) Switches: operation history, distribution boards: power usage data
- (4) High market share in the power distribution infrastructure business.
- (5) Connection with housebuilders who incorporate advanced products and commercial distribution of electrical materials distributors who maintain a high market share
- ⑤ Creation of a demonstration environment by utilizing experimental houses within the company

## Partner Requirements

Sensing (building frame, water leakage, mold, etc.) technology collaboration to improve house value through house diagnosis, and Sensing (presence, behavior, etc.) technology collaboration to improve comfort within a space, and collaboration in the use of such sensing data.

Creation of new value by utilizing wiring infrastructure location

We are looking forward to working with you to promote the future of power distribution infrastructure with Panasonic!

## Optimal control of residential EV chargers

#EV charging and discharging #Demand control #Dynamic pricing  
#HEMS linkage #ELSEEV/AiSEG linkage #Charge multiple units



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Due to the possibility of crossing multiple departments

If you are interested in this topic.

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