

Stanley Electric Co., Ltd.

# Big Data builds a system to integrate and visualize information of power consumption of 27 global factories

## Challenge

- Analysis of the status quo and policy reviews have been carried out to achieve business goals based on the judgment of staff in charge of individual factories
- To analyze the status quo, factory supervisors have had to depend on weekly/monthly reports from the staff in charge
- These circumstances have prevented the company from making quick and accurate decisions and taking appropriate measures to achieve business goals

## Solution

- Visually displays how power is consumed at each factory from various perspectives

- Integrates measurement data obtained from power monitoring systems and sensors made by various manufacturers into a single system through interface conversion
- Provides communication features that allow text messages to be freely displayed on the screen, enabling factory supervisors to submit status reports and provide information to managers and other factories

## Benefit

- Real-time data analysis enables quick decisions to be made and effective action to be taken for achieving goals
- Access to data on other factories is available to support making systematic decisions at corporate level
- Analyzing long-term trends using Big Data and other operations make it easy to understand the characteristics of individual factories as well as their manufacturing

## Products and services

- Intelligent Dashboard technology is used to collect data from factories' power monitoring systems made by other companies and to visualize the data
- Microsoft SQL Server is used to store the collected power consumption data for a long period of time

