

Demand Response Aggregator

ENERES Co.,Ltd
Motohide Ikeda



ENERES Corporate Profile



Company name	ENERES Co.,Ltd
Address	1907 Tokyo Art Center 1-4-1 Senju Adachi-ku, Tokyo
Date established	December 2004
President	Motohide Ikeda
Number of Employees	100
TEL	03-6657-5453
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Capital	95,000,000 yen

The talented staff with knowledge of Power

The Accomplishments of energy management

Forecast technology of renewable energy

Accomplishments

< Supply of Renewable Power >



Accomplishments

< System of power management >



Eneres's Accomplishments <PPS : Power Producer and Supplier>

Function on behalf of 11 PPS (out of 22)

<STEP1> Forecast demand

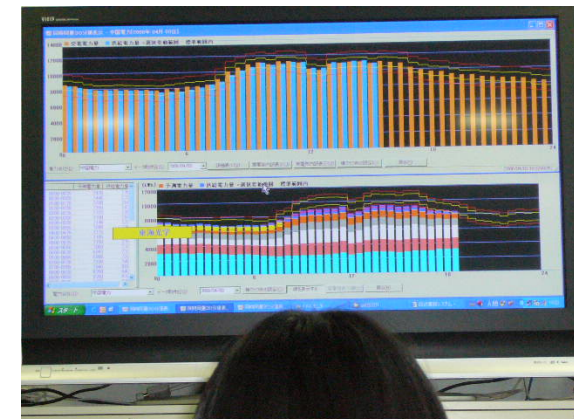
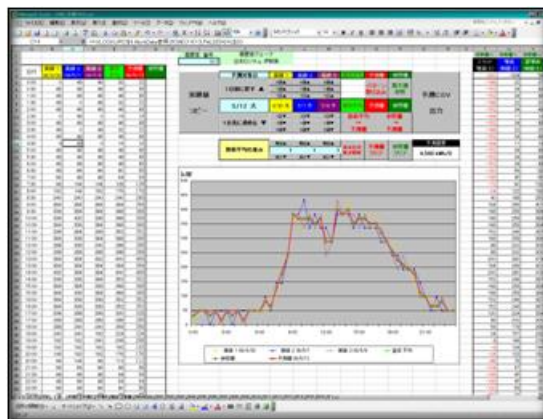
<STEP2> Plan and then purchase supply to equal demand

<STEP3> Management of the Smart Grid Supply & Demand

STEP1: Demand
Forecasting

STEP2: Position/Plan

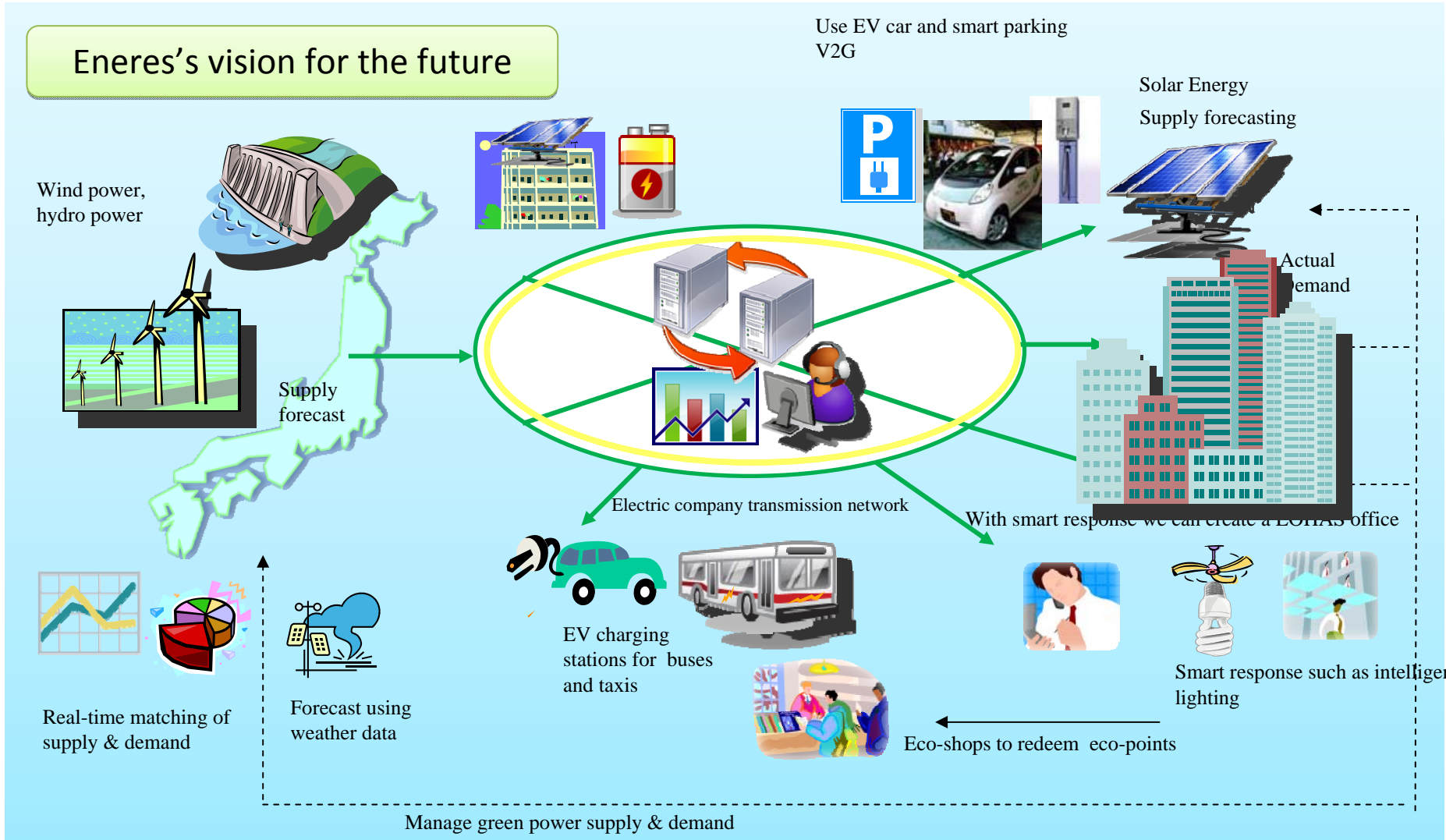
STEP3: Monitor Supply &
Demand



- 1) Forecast customer's demand by analyzing weather conditions and operations (working days, holidays, equipment type, etc.)
- 2) Forecast and buy one day before trading day
- 3) Monitor usage 24 hours per day and adjust supply as necessary

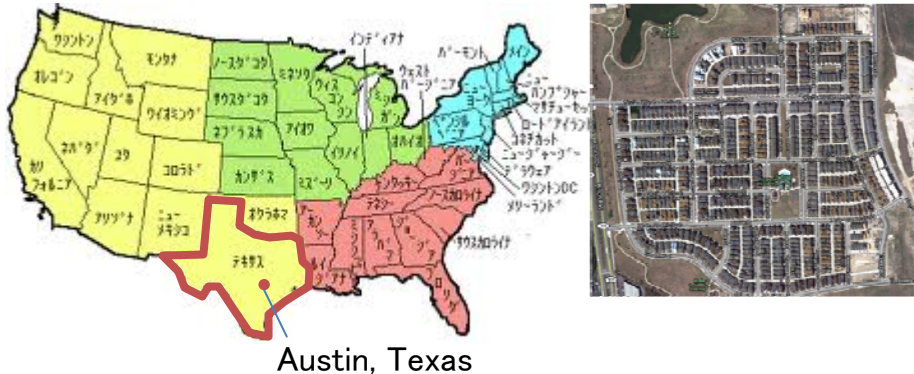
Eneres's Accomplishments <Smart Grid in Japan>

Toyota City Low-Carbon Society Project

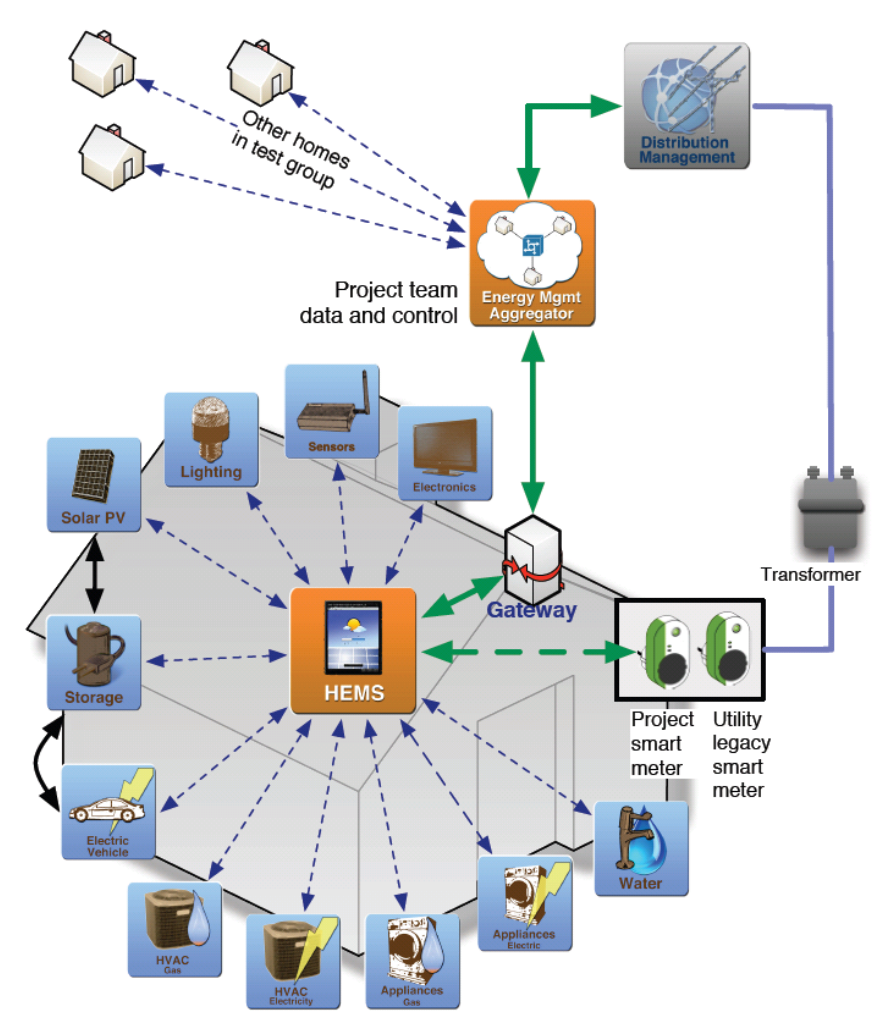


Eneres's Accomplishments <Smart Grid in the U.S.>

Pecan Street Smart Grid Demonstration Project

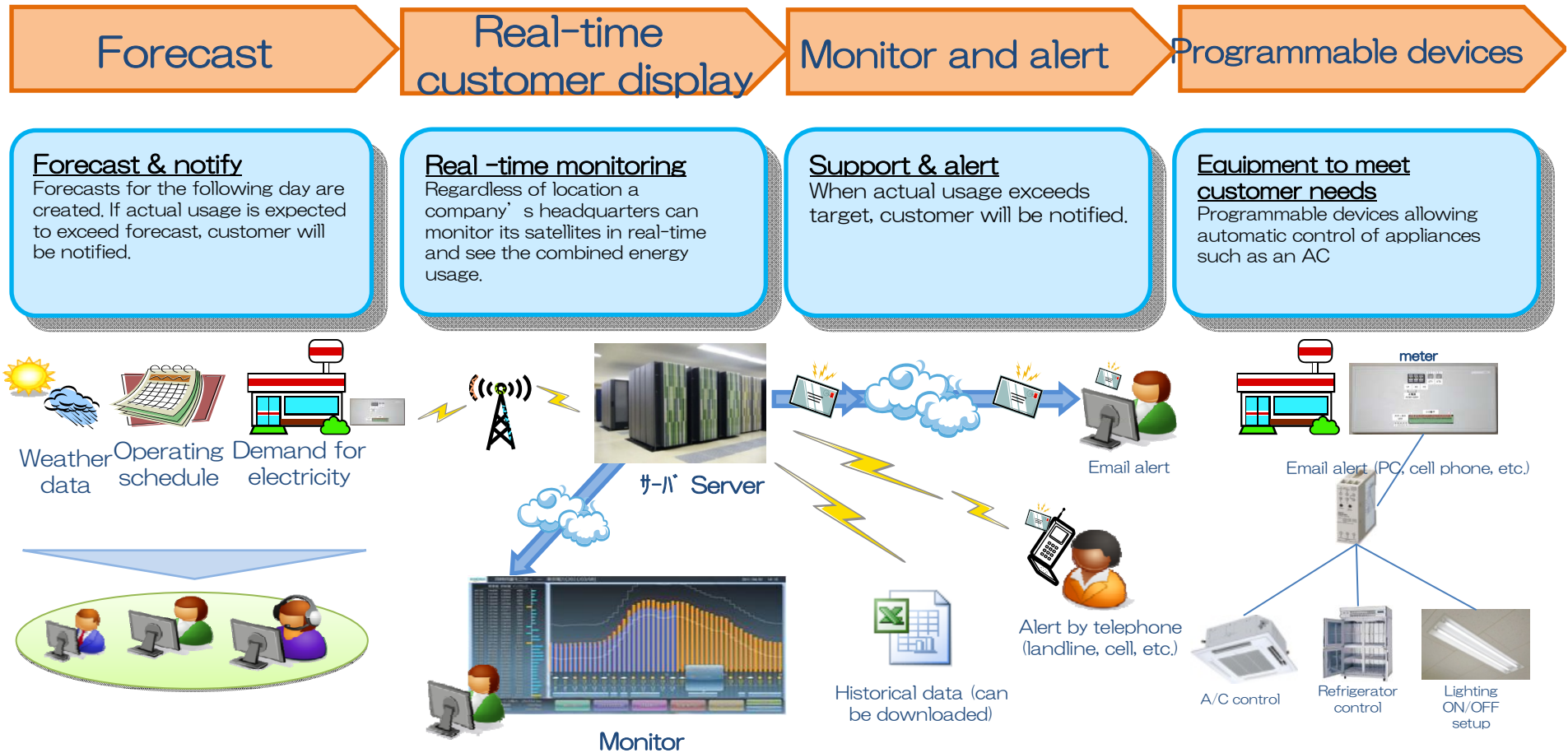


- Muller Pecan Street of Austin, Texas.
- In a demonstration of a smart grid where 1000 households and 67 businesses participated, various ways to deal with peak load were examined, such as smart electronics, electric cars, and dynamic pricing. Water and gas supply were also examined.
- Participants: Austin Energy, University of Texas



BEMS (Building Energy Management System) FALCON SYSTEM

The Falcon System has various functions to help reduce energy consumption.



- Forecast demand based on operating schedule and weather
- Forecast for each customer and send schedule
- Measure every minute

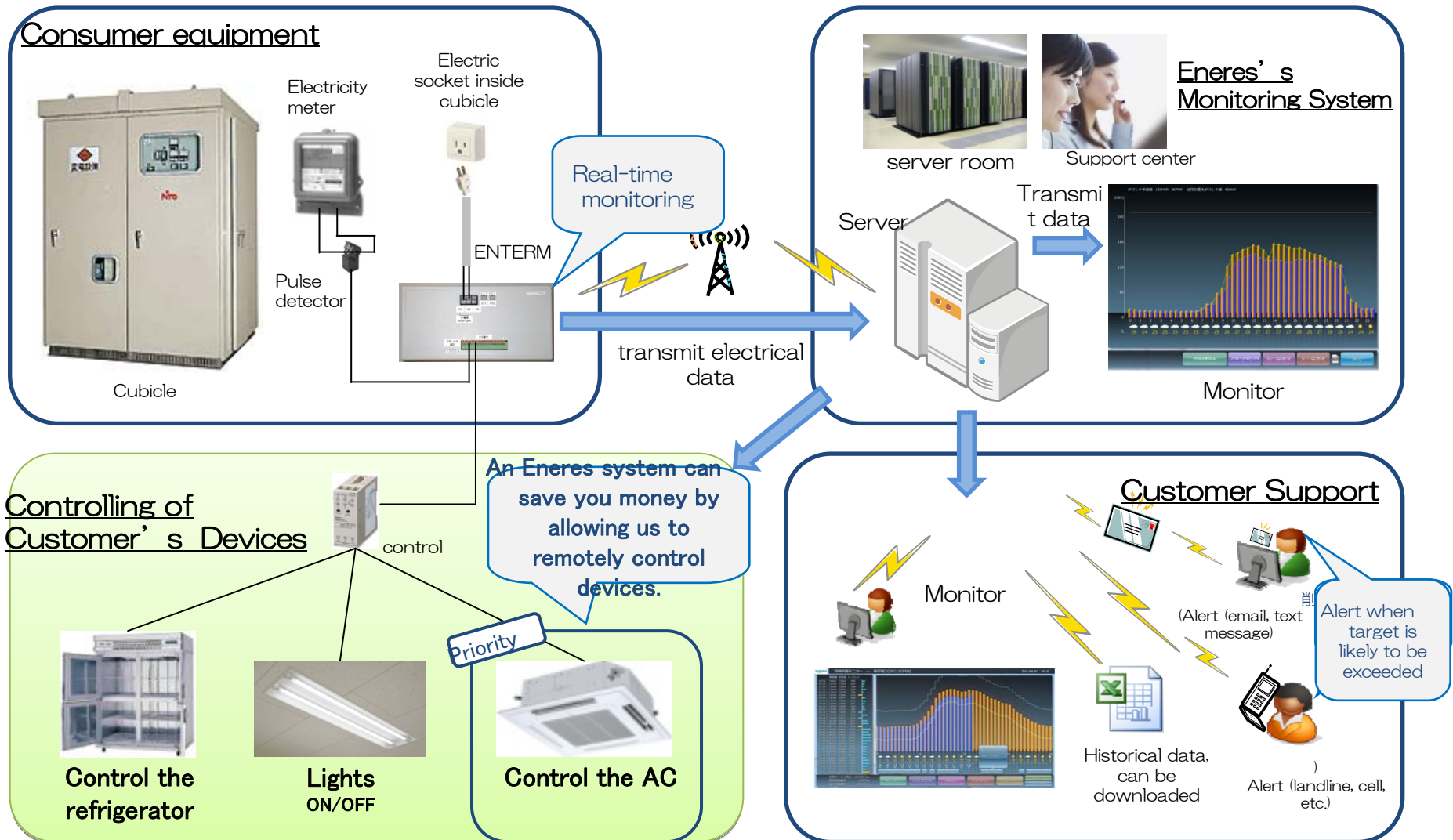
Usage and weather information are shown on a display. The information is updated every 5 minutes during peak time.

remote monitoring by Eners Eners sends a notification by email and phone if usage is expected to exceed target.

Eneres can automatically control devices (turn down AC). On/Off function.

BEMS (Building Energy Management System) FALCON SYSTEM

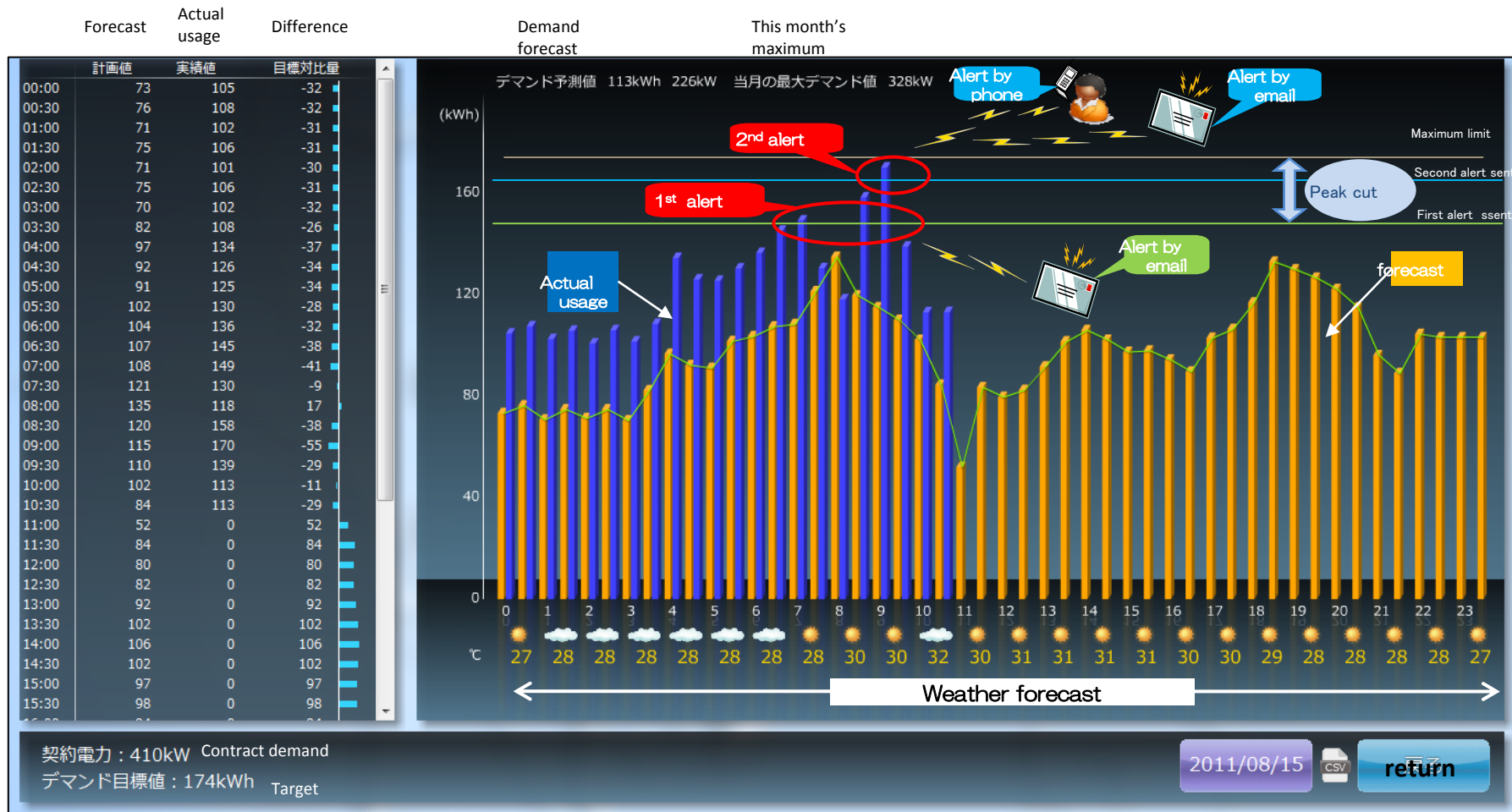
If you have the Falcon System, you can control it from a remote location . The energy management service allows you to save electricity during shortages and to save money.



BEMS (Building Energy Management System) FALCON SYSTEM

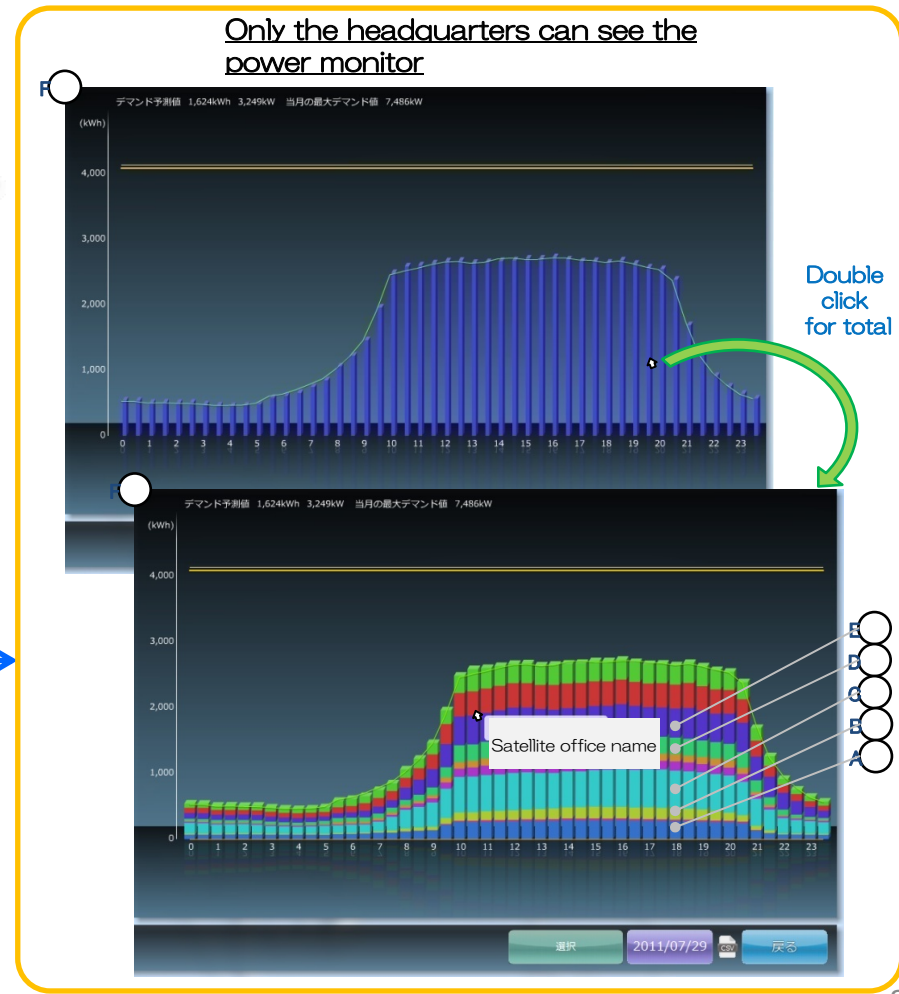
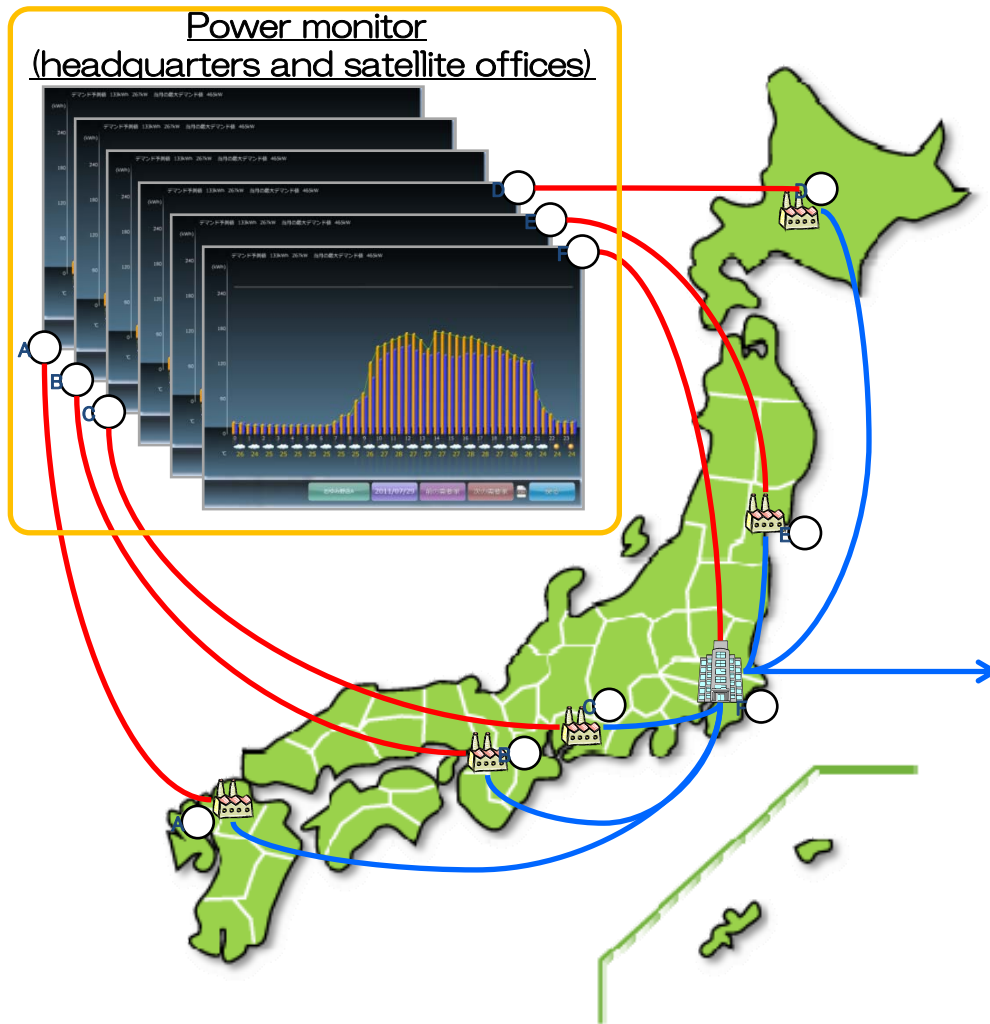
Users who have a password can access the information on the power monitor in real-time.

Power Monitor

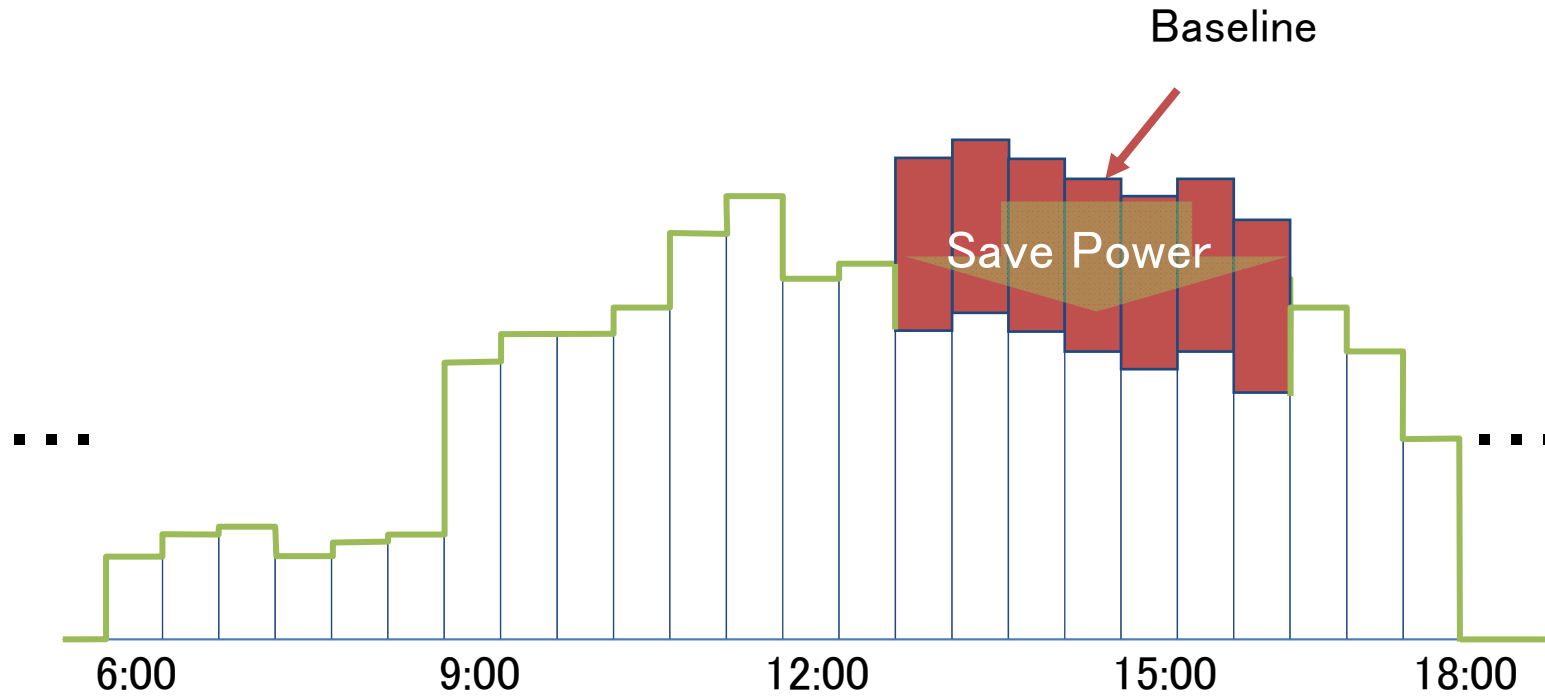


BEMS (Building Energy Management System) FALCON SYSTEM

The Falcon system allows a headquarters to monitor the power usage across the entire company and make modifications.



Nega-watt and Demand Response



	Negative-watt	Demand Response
User	Large user (factory, tower building)	Small user (store, restaurant)
trading unit	100kW	1kW~
How to trade	bidding	contract
How to save	Generator, adjust production	Save air conditioning or lightings

Demand Response

