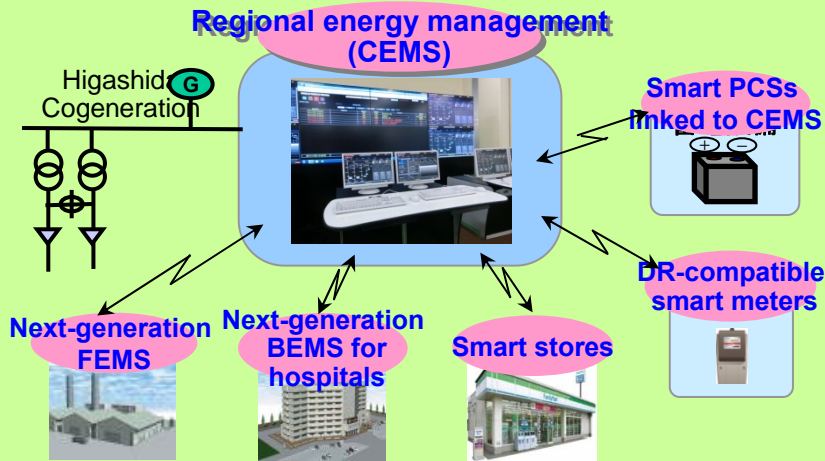


Kitakyushu smart community creation project

Managing members: Kitakyushu City, **Fuji Electric**,
Nippon Steel Corporation, IBM Japan
CEMS linked with respective EMS (FEMS, BEMS, REMS etc.)
> Build regional energy management system including demand response (DR)



Development

Smart industrial parks

- Industrial park CEMS
- BEMS (residential areas)
- FEMS
- Smart meters
- PCSs for installation in communities
- Sewage treatment
- Power receiving and distribution substation equipment
- Inverters
- Fans, pumps etc.

Smart plants

(environment-friendly next-generation plant systems)

- FEMS
- Sewage treatment
- Power receiving and distribution substation equipment
- Inverters
- Fans, pumps etc.

Smart stores

(environment-friendly small-scale store systems)

- Quick chargers for EV
- Smart meters
- Heated steam generators
- Energy-saving air-conditioning
- Inverter kitchen devices
- Energy monitoring and new general controllers
- Energy-saving showcases and refrigerators

- Main devices and systems Fuji Electric supplies

Community energy management systems (CEMS)

- New energy (PV, wind power) power generation forecasts
- Optimal supply-demand planning and control, frequency control
- Demand response functions
- Making smart meter linkage visible etc.

Smart meters

Display devices in the home

PCSs for installation in communities

Storage batteries, Management systems for storage batteries, PCS, CEMS