

3. Initiatives to Realize a Sustainable Society

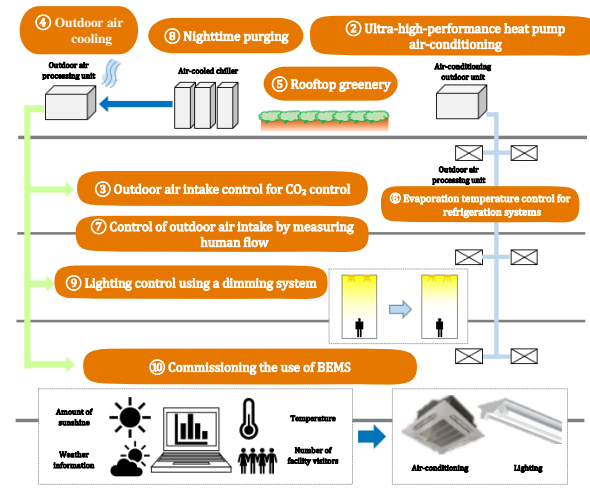
The facility is actively working on measures to reduce impact on the environment to realize a sustainable society, including decarbonization.

(1) Implement various types of measures to save energy in the facility

The following measures will be implemented to further save energy and reduce the volume of CO₂ emissions of the facility.

<Main Initiatives>

- ① Active electrification of the facility
- ② Ultra-high-performance heat pump air-conditioning
- ③ Outdoor air intake control for CO₂ control
- ④ Outdoor air cooling
- ⑤ Rooftop greenery
- ⑥ Evaporation temperature control for refrigeration systems
- ⑦ Control of outdoor air intake by measuring human flow
- ⑧ Nighttime purging (nighttime ventilation)
- ⑨ Lighting control using a dimming system
- ⑩ Commissioning the use of a Building and Energy Management System (BEMS)



(2) On-site energy creation through solar panel implementation (utilizing a PPA service)

Approximately 400 solar panels will be installed on building rooftops in an initiative to create energy on-site. Electricity generated using Kyuden's PPA service* will be used in the facility.



Yellow highlights indicate where solar panels will be installed



* PPA is an abbreviation of power purchasing agreement. This is a service where the PPA operator installs, operates and maintains solar panels on-site and a consumer uses the power generated

(3) Promote greening of electricity (effectively using renewable energy)

Non-fossil fuel energy certificates derived from renewable energy sources will be used to promote greening* of electricity used in common areas, which make up approximately 30% of the facility, and this will contribute to reducing the volume of CO₂ emissions.

* Greening is using non-fossil fuel energy certificates, etc. to make the electricity used effectively renewable energy

(4) Reduction of CO₂ emissions during construction by using existing buildings

Part of the facility's multistory parking decks was renovated rather than rebuilt by using the existing building of the old Fukuoka City Fruit and Vegetable Market, thereby reducing CO₂ emissions during construction.



Rebuilding



Renovation