

AEONMALL ASEAN Division









AEONMALL=174 shopping malls in JAPAN & ASEAN



AEONMALL in Indonesia









"AEON Eco Project" Announcement in 2012







Implementation of Environmental Conservation





- Increasing Installation of charging points for electric vehicles (EV)
- Ecology of using the power of nature
- Solar power generation
- Utilizing wind power energy
- Wall greening / Planting
- Reduction of waste and recycling
- Environmental communication

AEON Hometown Forests Program"



- Approaches toward saving energy
- LED Lighting
- Cold Water Air Cooling Cascade System
- Electricity control by air-conditioning ventilation energy-saving system
- Received a third-party verification for greenhouse gas emissions



Promoting resource recovery and recycling





JCM Model Project in Indonesia [AEONMALL JGC]

Outline of the JCM Model Project at JGC

Back Ground

- ✓ Big demand for the electricity with economic growth in Indonesia.
- ✓ Renewable energy demand based on COP21.
 - \Rightarrow Contribution to Indonesia by

Installation of PV and Battery!!



Main System



 Panasonic Module

 HIT 325w x 1560pcs

 = 507kWp



ABB Inverter 50kw x 10pcs =500kWp



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Younicos ESS 100kW/111kWh

Outline of the JCM Model Project at JGC

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GHG Mitigation Activity

- ✓ The electricity from solar power system is supplied to lighting equipment.
- ✓ In a daytime, surplus power is charged to storage battery, and it is used during the night.
- ✓ The project achieves GHG mitigation by reducing a purchase of the electricity from the electric company.
- ✓ Estimated GHG emission reduction is 549t CO₂/ year.



Monitoring Diagram of JGC





Project Scheme Diagram of JGC



Consortium Agreement



Installed PV Panels & Storage Battery



[Location: Aeon Mall Jakarta Garden city]

Points of Attention

- ✓ Cooperation with the contractor of the Mall
- Confirmation of Import regulation
 (Use of domestic material)

Storage Battery Installation Completion















Result of Monitoring form Oct 2017 to Jun 2018

Monitoring of Result(PV)



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Power generation period (Oct 17 ~ Jun 18)

Monitoring of Result(Storage Battery)



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Charged and Discharged (Oct 17 ~ Jun 18)



From Oct 2017 to Jun 2018

CO ₂ emission reductions	Units
264	tCO ₂ /p





Thank you