

DRIVING ENERGY EFFICIENCY: OSK'S COMMITMENT TO SUSTAINABLE BUILDING PRACTICES

At OSK Holdings Berhad (“OSK”), we recognise that enhancing energy efficiency is crucial to our decarbonisation efforts. We are committed to implementing innovative solutions to reduce our carbon footprint, contributing to the nation’s goal of achieving net-zero emissions by as early as 2050. We have initiated an organisation-wide strategy to adopt renewable energy and green technologies to support these efforts.

Our continued investment in renewable energy began with our Cables factory in May 2021 and has since expanded to six sites, including property sales galleries and assets within the Property Investment and Industries segments, with an additional site planned for 2024.

Generated a total of
1,218 MWh
of solar power group-wide
in 2023

Avoided
712.4 metric tonnes
of CO₂e emissions in 2023

Meanwhile, the Group's Property Investment Division is advancing efforts to reduce electricity consumption and minimise the environmental impact of its commercial buildings by leveraging green technology, optimising operations, and embracing renewable energy. These efforts contribute to the Group's overall environmental sustainability goals.

FABER TOWERS: TARGETED ENERGY EFFICIENCY MEASURES

Upholding the OSK's commitment to minimising environmental impacts through eco-efficient building operations, Faber Towers has transitioned to smart meters for units in 2022. This enables real-time monitoring to optimise power consumption and encourages tenants to align with the Group's broader sustainability goals through mindful energy use.

Additionally, the building management team has implemented several measures to enhance energy efficiency, including optimising the chilled water system for air conditioning to reduce its operational frequency while maintaining a stable indoor environment within the office towers. Traditional perimeter street lights were replaced with solar-powered alternatives, and both lift lobby and basement car park lighting were upgraded to energy-efficient bulbs.

ATRIA SHOPPING GALLERY: BUILDING MANAGEMENT SYSTEM



Atria Shopping Gallery's Building Management System.

To enhance energy efficiency, Atria Shopping Gallery has implemented a Building Management System (“BMS”) to manage lighting and air conditioning within the mall. The BMS reduces peak load demands by precisely controlling the chiller plant's temperature and optimising energy consumption once the desired temperature is reached. Additionally, the startup sequence of the two air conditioning chillers is staggered to ensure an even load distribution on the grid.

The mall management team monitors daily electricity usage and conducts manual checks by taking consumption readings and managing the maximum demand for electricity billing, as well as control of sequence start times for mechanical and electrical equipment during mall operations.

PLAZA OSK: LED LIGHTING AND CHILLER OPTIMISATION

Our headquarters was upgraded with a Smart Lift system for all six elevators, optimising call distribution and reducing energy consumption by minimising unnecessary trips, thereby improving operational efficiency and enhancing the occupant experience.

Furthermore, additional energy optimisation efforts have been implemented, including replacing the lighting system with energy-efficient LED bulbs and adjusting chiller operating hours to 7:30a.m. - 5:30p.m., which reduces maximum demand and further enhances energy savings within the office plaza.

Breakdown of Electricity Consumption by Business Unit in 2023

