

EFFICIENCY

Malaysia Prime Minister's Office says
“yes” to energy savings in its buildings

KFM Holdings – Malaysia

KFM Holdings SON BHD teams up with
Schneider Electric to equip Malaysia PMO with
Building Management Systems.

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“KFM is a solution provider for Green Smart and Connected built environment. We manage approximately 10 million square feet of GFA of assets worth about 1 Billion USD. KFM operates from offices in Kuala Lumpur, Abu Dhabi, and Dubai,” says Khairul Nizam ABD Muen, Director of Business Development at KFM Holdings SDN BHD.”

“Our strength is premised on the integration capabilities in operational expertise, technical knowledge, and technology which are manifested by our people, process, and systems.”

“In KFM, we provide integrated solutions and management services that will influence asset performance throughout the asset’s life cycle, from Design, Build to Operate phases. Our track record includes Grade A workplaces and Green Building facilities.”

Existing buildings waste energy

“Today, buildings worldwide account for more than 40% of global energy consumption. Never before has the need for an environment of high performance buildings become as critical to the effort of the planet’s carbon footprint reduction. The solution is to adopt high performance green building concept and design for new and existing buildings.”

“KFM recently undertook the development of the Prime Minister’s Office (Perdana Putra Complex) High Performance Green Building Project as a benchmark to encourage more businesses in Malaysia to achieve greater heights in energy efficiency. Our vision is to establish that new as well as existing government or public buildings can be transformed into energy efficient buildings.”

“The mission of the project is to achieve greater energy efficiency and increase the building’s overall asset performance. In order for the Prime Minister’s Office project to meet the Green Building Index (GBI) requirements to be certified platinum status, KFM needed a system solution that can improve energy efficiency, indoor environmental quality, sustainable site planning, management, material and resources, water efficiency, and innovation.”

Target of 40% energy savings

“In order to help reach our target of 40% in energy savings, we decided that this Prime Minister’s Office (PMO) building retrofit project should be supported by Schneider Electric’s Building Management System (BMS). With this building technology software as another element of our energy management solutions and services, we give customers the confidence to make fact-based decisions for improving energy use, operational efficiency, comfort, and financial performance throughout their building’s life cycle.”

Goal

Transform the Malaysian Prime Minister’s headquarters and other government buildings with high performance green building technology and design.

Story

The mission of the project was to achieve greater energy efficiency and increase the building’s overall asset performance to meet Green Building Index (GBI) requirements, while inspiring other projects to do the same.

Solution

Supported by Schneider Electric’s Building Management System (BMS), KFM was able to:

- Improve overall building performance
- Automate delivery of valuable building information through enhanced monitoring
- Ensure services and repairs were focused on the right issues and results
- Increase operational efficiency, comfort, and financial performance throughout the building’s life cycle

Results

- Working with Schneider Electric, KFM streamlined their energy savings process
- Cemented their position as the largest retrofitting project for government buildings in Asia
- Projected savings up to RM2 million energy savings per annum
- Launched a sustainable and green BMS for the PMO building through integrated capabilities, operational expertise and the right technology, process and systems

“Such systems are a critical component to managing energy demands, especially when buildings worldwide today consume 42% of all electricity. With this computer-based control system installed in the Prime Minister’s Office, management are able to control and monitor the building’s mechanical and electrical equipment such as ventilation, lighting, power systems, water efficiency, and security systems. The management system also lets the physical staff work more effectively through remote monitoring and equipment control and decreased trouble calls and on-site repairs.”

Good data a key to savings

“Many people are passionate about saving energy in buildings, but they often lack the critical information needed to convert their intentions into action. Working with Schneider Electric, we are streamlining the energy savings process. This new generation of technologies automates the delivery of valuable building information to ensure services and repairs are focused on the right issues.”

“The success of the retrofitting project for the Prime Minister’s Office will cement its position as the largest retrofitting project for government buildings in Asia. It is estimated that the Prime Minister’s Office (PMO) retrofitting project can save up to RM2 million energy savings per annum.”

“In an effort to help Malaysia meet its Copenhagen promise to reduce 40% carbon emissions by 2020, it is imperative for the business community to start adopting solutions such as Schneider Electric’s Building Management System (BMS) to improve overall business performance.”

“Efficiency makes sense for everything from the wallet to the environment. Efficiency measures can be accomplished quickly, they are relatively easy, and there is a real payback. The world needs efficiency, and Schneider Electric has everything necessary to provide it. We have got the experts, we have got the technology, and we have got ingenuity and integrity built into everything we do.

“The world needs efficiency, and Schneider Electric has everything necessary to provide it.”

— *Khairul Nizam ABD Muen, Director of Business Development at KFM Holdings SDN BHD*

“Today, buildings worldwide account for more than 40% of global energy consumption.”

EcoStruxure™ for Building
Innovation At Every Level



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Innovation At Every Level

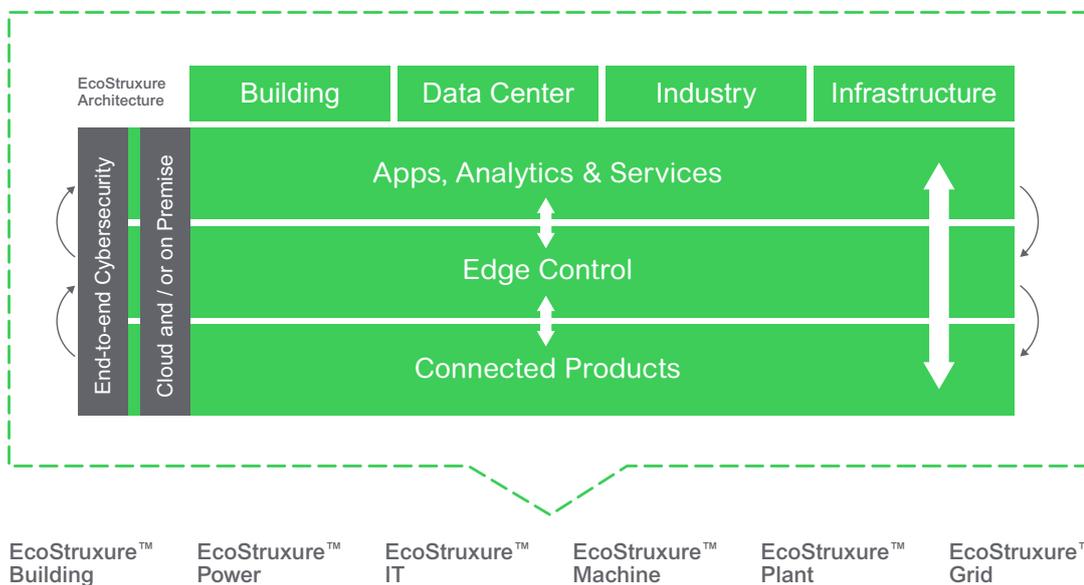
IoT-enabled solutions that drive operational and energy efficiency

EcoStruxure is Schneider Electric’s open, interoperable, IoT-enabled system architecture and platform.

EcoStruxure delivers enhanced value around safety, reliability, efficiency, sustainability, and connectivity for our customers.

EcoStruxure leverages advancements in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver Innovation at Every Level including Connected Products, Edge Control, and Apps, Analytics & Services. EcoStruxure™ has been deployed in 480,000+ sites, with the support of 20,000+ system integrators and developers, connecting over 1.6 million assets under management through 40+ digital services.

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