

NEWS RELEASE

FOR IMMEDIATE RELEASE
May 2, 2023

Optimising a Business School with Mitsubishi Electric's Building Management System

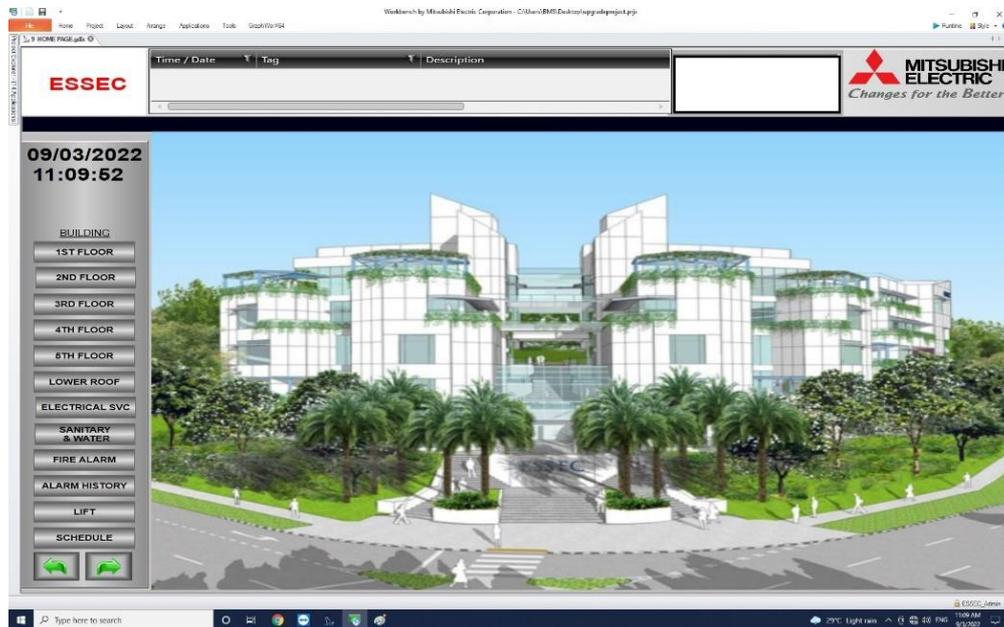
SINGAPORE, May 2, 2023

As a leading business school in Europe since its founding in 1907, Paris, ESSEC Business School strategically established its Asia Pacific campus in Singapore to extend and augment its regional and international presence.

In 2015, this venture took the form of a new 5-storey building which was envisioned to operate in the most innovative, seamless and sustainable manner. It was a vision Mitsubishi Electric turned into reality.

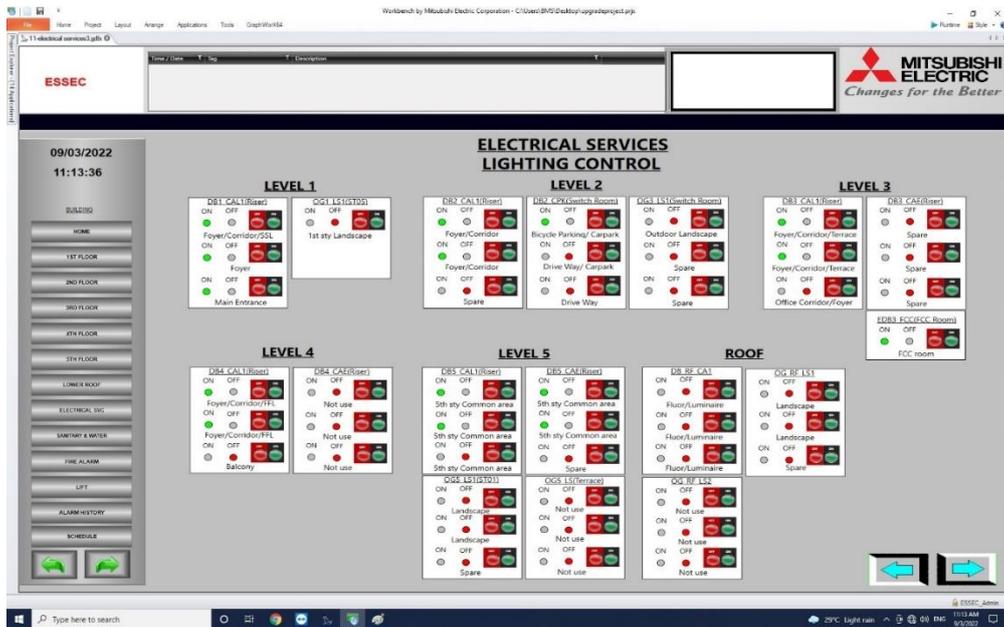
With Scale Comes Easy Customization

Efficiency is key in monitoring and controlling equipment and ancillary facilities within a building. Being a one-stop solution provider, Mitsubishi Electric was thus a choice partner with the economies of scale to offer competitive, compact and customized solutioning to meet ESSEC Business School's requirements.



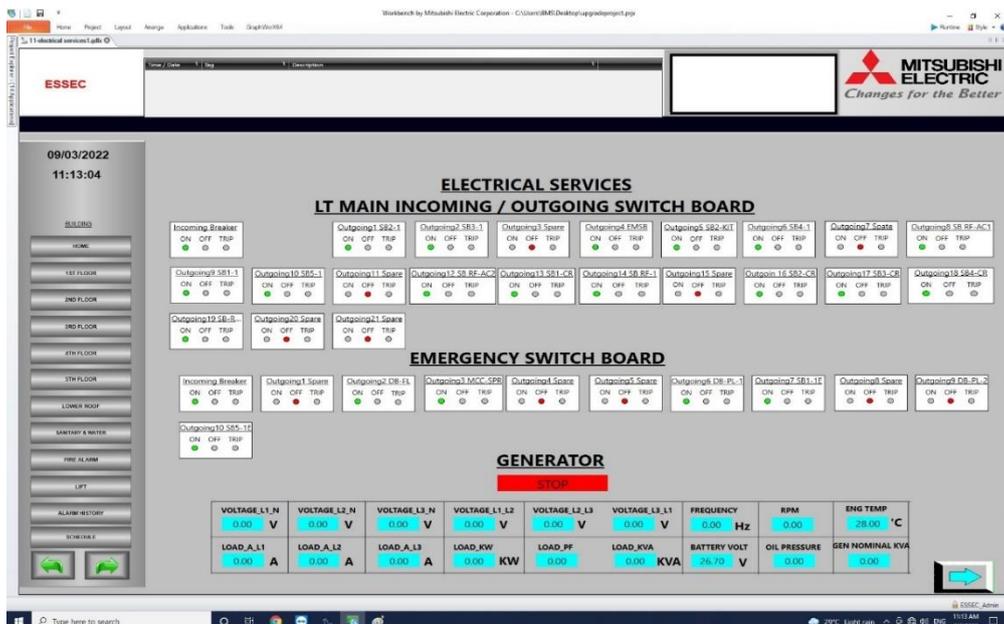
BMS Graphic Home Page

In practice, Mitsubishi Electric designed and commissioned the Building Management System (BMS), a versatile computer-based system installed in buildings which taps on a wide range of in-house products such as the L-Series Direct Digital Controller, Human-Machine Interfaces (HMI) and SCADA Software among others, maximizing compatibility while eliminating extensive liaison and minimizing operational cost. Furthermore, each dedicated Mitsubishi Electric engineer would be able to address a whole suite of issues at once, on the account of Mitsubishi Electric's comprehensive array of products and services.

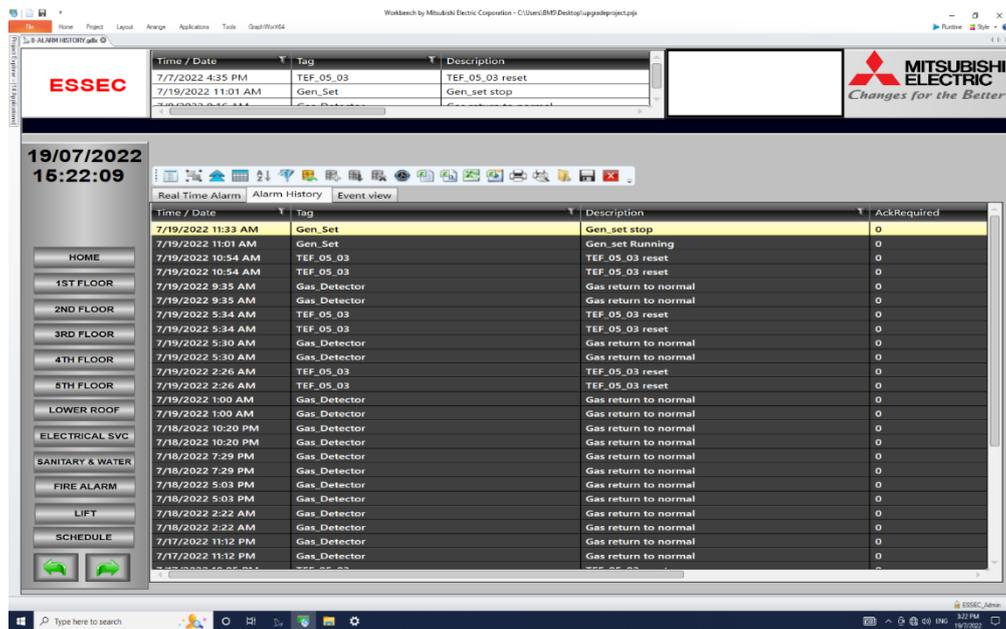


BMS Graphic Lighting control

With the BMS's unprecedented control capabilities, ESSEC Business School's building owners and facility managers could monitor their wide range of equipment from air-conditioners, heaters, ventilators, lighting systems, power systems, security devices, IoT sensors, to energy and gas meters, through a single interface. Information acquired from the multifarious systems are visualized, in real-time, through trend reports and analysis functions such as maintenance management, energy management, utilities consumption monitoring, fault monitoring and status monitoring. This streamlined technology empowered ESSEC with insight into the dynamics, efficiencies and conditions of its building's operations.



BMS Graphic LT board Summary



BMS Alarm System

The specific monitoring and control services that Mitsubishi Electric continues to provide ESSEC Business School with are as follows:

- 1) Air-Conditioning, Mechanical & Ventilation Services
- 2) Electrical Services
- 3) Plumbing & Sanitation
- 4) Fire Alarm & Protection System
- 5) Elevator Solutions



Quarterly Maintenance Service

Advancing in Tandem

Since successful implementation of the BMS, ESSEC continues to partner Mitsubishi Electric to manage its Non-Comprehensive Preventive Maintenance and Servicing, and perform regular troubleshooting to resolve detected faults and errors. Mitsubishi Electric also provides Quarterly Maintenance Service to review equipment and run checks such as:

- 1) Direct Digital Controller Panel
- 2) PLC Functional Check
- 3) SCADA Functional Check
- 4) Field Devices Control Functions

Thanks to Mitsubishi Electric's internal research and development prowess, the options to upgrade or replace software and equipment where necessary, are also available to feed the ageing building with new leases of life.

Treading Extra Miles to Provide Sustainable Solutions

Due to the close and collaborative nature of this 7-year long partnership (and counting), ESSEC also consults Mitsubishi Electric upon facing intermittent challenges beyond the maintenance contract. For instance, when the building's energy monitor and system monitor reflected inconsistent consumption readings, Mitsubishi Electric addressed the discrepancies and identified segments linked to its system. Upon pin-pointing areas where energy consumption was off the chart, Mitsubishi Electric proposed methods such as automatic power-offs to curtail pockets of excessive consumption. Since then, a logging system has also been established for ESSEC's easy data-visualization and assessment, achieving reduced energy consumption.

Mitsubishi Electric is honoured to have delivered the BMS to ESSEC Business School and persists in helping ESSEC keep pace with evolving technologies through preventive maintenance. Indeed, Mitsubishi Electric takes pride in optimizing ESSEC's smart building — a beacon of light for future management leaders.

-End-

About Mitsubishi Electric Asia

Mitsubishi Electric Asia is a subsidiary of Mitsubishi Electric Corporation, a world leading manufacturer of products ranging from home electronics, industrial and factory automation, space systems, public utility systems, semiconductors and devices. Since incorporation as Melco Sales Singapore in 1977, Mitsubishi Electric Asia has been providing reliable, high-quality products to homes, businesses and industries in Asia Pacific.

Located in Singapore, Mitsubishi Electric Asia seeks to be established as a marketing and engineering hub with its well-networked and strategic presence in the region. At Mitsubishi Electric Asia, we live by our pledged commitment to change for the better with every move we make.

For more information, visit: www.MitsubishiElectric.com.sg

Follow us on: [Facebook](#) | [LinkedIn](#) | [YouTube](#)

About Factory Automation & Industrial Division

Offering a vast range of automation and processing technologies, including controllers, drive products, power distribution and control products, electrical discharge machines, electron beam machines, laser processing machines, computerized numerical controllers, and industrial robots, Mitsubishi Electric helps bring higher productivity – and quality – to the factory floor. In addition, our extensive service networks around the globe provide direct communication and comprehensive support to customers.

About e-F@ctory

e-F@ctory is Mitsubishi Electric's integrated concept to build reliable and flexible manufacturing systems that enable users to achieve many of their high speed, information driven manufacturing aspirations. Through its partner solution activity, the e-F@ctory Alliance, and its work with open network associations such as the CC-Link Partners Association (CLPA), users can build comprehensive solutions based on a wide ranging "best in class" principle. In summary, e-F@ctory and the e-F@ctory Alliance enable customers to achieve integrated manufacturing but still retain the ability to choose the most optimal suppliers and solutions.

Media Contacts:

Factory Automation & Industrial Marketing Communication Department
Ms Grace Siew: grace.siew@asia.meap.com, (65) 6473 7793