

WEBINAR TALK ON

"Digitizing Toward Sustainability in BoTF (Building of The Future)"

📅 16 DECEMBER 2022, FRIDAY
🕒 3.00 PM - 5.00 PM
📍 ONLINE PLATFORM

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Presented by:

Mr. Johnathan Yau

IEM Students: FOC
IEM Members: RM15
Non-IEM Members: RM70

SYNOPSIS

Sustainability – Environmental and business challenges are forcing us to examine the role buildings play in carbon emissions and costly waste. Buildings consume about 30% of the world's energy via their construction and operations, and account for almost 40% of annual global greenhouse gas emissions. The future of building construction and operations, both new and retrofit, is where the world will win or lose the fight against climate change. Reaching the organization pledge or goal towards Net Zero Carbon.

Resiliency – The need for resilient buildings has never been greater and building operators and facility managers face the daunting task of keeping operations running smoothly in times of crisis. With hundreds of disasters in the world over the past year; from droughts to cyberattacks to a global pandemic; it only takes one to impact business.

Efficiency – More than 30% of the supplied energy is wasted on operating a building. You could also easily swap out the word energy and put in the word “space”. Even in pre-pandemic times, a typical building had under-utilized around 30% of the existing space.

People – The world's population is currently spending most of their lives indoors. In fact, it is estimated that we will spend close to 90% of our time inside. Occupant productivity, health and safety will drive a new era in building and facilities management – moving from a facility to a people-centric approach.

2020 ushered in a historic change for many industries, including our own. Many of us were asked by our customers to help them adapt and innovate in an environment that delivered both low occupancy issues for hotels and offices and high demand requirements for critical facilities.

Even with the challenges that we have experienced, analysts are predicting that the building market will recover and grow. This is very welcome news, but recent challenges have put a massive spotlight on buildings, and the electric and digital transformations that were already underway are moving into overdrive. Here's why:

There are four critical areas where the industry must provide better outcomes.

Buildings of the future deliver on four key principles, they are:

- Sustainability and returning resources to our planet rather than just consuming them.
- Resiliency and the ability to withstand both internal and external challenges.
- Hyper-efficiency, leveraging real-time data to be more responsive, delivering more for less.
- People-centricity, offering a safe, and healthy environment that exceeds our expectations.

ABOUT SPEAKER



MR. JOHNATHAN YAU

Graduated as Bachelor of Mechatronics Engineering (Hons) in Monash University. Mr. Johnathan Yau has more than 15 years of experience in the field of Building Management System & Energy Management System. In his previous role, his field of expertise include designing and implementing Building Management system and Energy Efficiency System for various segment. In line with future development in digitization and digital transformation, he leads Schneider Electric in deployment of EcoStruxure Building platform as an IoT platform to consultants and end users. In the past, he has done several seminar jointly organized with IEM to provide sharing session and technical seminar for consultants and engineers in Malaysia on Digital Transformation and Building the Future. He also provides consultancy to end user and provide training to consultant regarding Building Management System and Energy Efficiency System. Johnathan's current role as a Solution Architect focusing in providing BMS and EPMS solutions towards Sustainability across East Asia & Japan zone.