



ASSOCIATION OF
CONSULTING ENGINEERS
SINGAPORE

YASKAWA



ACES-YASKAWA SEMINAR AND WORKSHOP TOUR

**TOPIC: NEXT-GENERATION AC DRIVE
SYSTEMS FOR ENERGY EFFICIENCY AND
SUSTAINABLE OPERATIONS**

**21 JANUARY 2026
(WEDNESDAY)**

1.00 PM TO 5.30 PM

 YASKAWA ASIA PACIFIC PTE. LTD.
30A KALLANG PLACE, #06-01,
SINGAPORE 339213

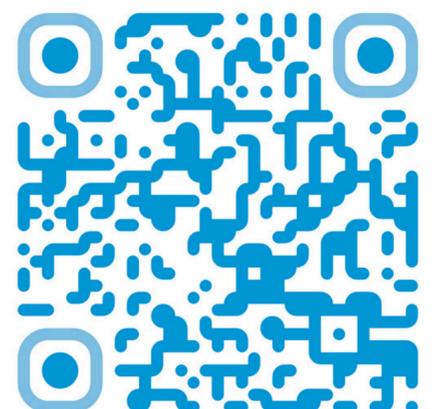
 CPD : 4 PDU

 ACES MEMBER COMPLIMENTARY
NON-MEMBER \$30 NETT PER PERSON



REGISTER

[LINK](#)



12.45 pm	Registration
1.00 to 2.30pm (90 mins)	Part 1 : Understanding Drives Technology: Decoding 3-level Technology & Optimizing Drives for Building Automation to Maximize Energy Efficiency
2.30 to 3.15pm (45 mins)	Demo Presentation and Workshop tour
3.15 to 3.45pm (30 mins)	Tea Break
3.45 to 5.30pm (105 mins)	Part 2 : Energy Decarbonization for a sustainable future: Understanding harmonics and how to mitigate by utilising energy-efficient variable speed drives End of Seminar

Part 1 - Understanding Drives Technology: Decoding 3-level Technology & Optimizing Drives for Building Automation to Maximize Energy Efficiency

Synopsis

An “AC drive” or more often known as “inverter drive” is an indispensable product that supports our daily lives. It is widely used in household appliances such as air conditioners and refrigerators as well as in social infrastructures such as elevators, escalators, trains, cranes, HVAC, and in manufacturing factories.

But how can AC drive help in energy saving and CO2 reduction? The 3-level technology of AC drive can help in reducing carbon footprint, control energy, recover energy, and use energy smartly.

Part 2 - Energy Decarbonization for a sustainable future: Understanding harmonics and how to mitigate by utilising energy-efficient variable speed drives

Synopsis

Energy Decarbonization is a measure that can be taken to decarbonise operations for business sustainability.

In the process to decarbonise operations, we often encounter harmonics and noises through each part and component. Not only will these harmonics and noises cause more carbon emission, it will also increase the number of operation problems and eventually increasing the profitability of the company by using more power which is actually not utilized.

We may not be able to fully get rid of harmonics and noises, but we can reduce them. Through the performance of energy-efficient variable speed drives, not only does it help in mitigating harmonics, it also helps to achieve regenerative energy.

By optimizing the harmonics performance and achieving regenerative energy, energy decarbonization can be achieved.

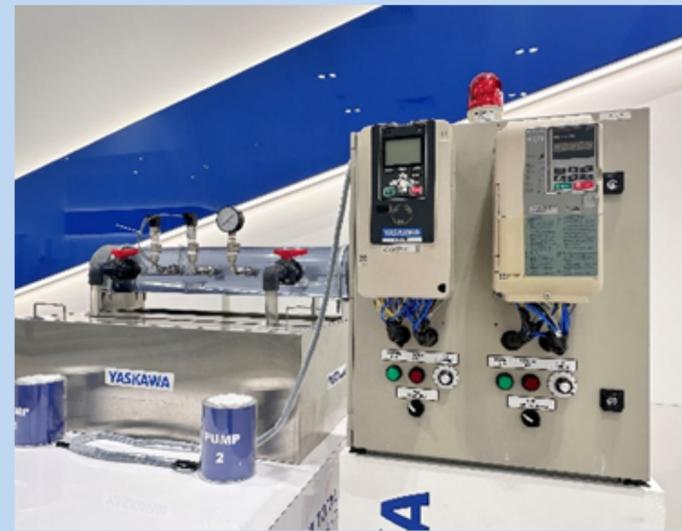
Practical cases and relevant case studies will be shared.

Workshop Tour Summary

You will get a quick tour of Yaskawa Asia Pacific Demo Room. A display of Yaskawa technologies from Motion Control, AC Drive, Robotics and even the possibility of after sales services maintenance.

The workshop tour showcases Yaskawa's innovative drive technologies through three live demos:

- Regenerative Energy in Crane/Hoist Systems – see how energy is recovered and fed back to the power supply for greater efficiency.
- Coordinated HVAC Pump System – discover smart pump coordination that keeps systems running smoothly, even during faults.
- Harmonics Mitigation – learn how Yaskawa reduces harmonic distortion to ensure clean, reliable power.



OUR SPEAKER

Mr. Arjun Gopal V, is currently working as a Head – Key Account Development with YASKAWA Electric in India, a Japanese multinational, and a global leader in AC Drives (commonly known as VFD's), Motion Control & Robotics technology.

Arjun who is a B. Tech Graduate in Electronics & Instrumentation from Cochin University of Science & Technology, India also assumes a dual role as a Product Manager for HVAC, Water & Textile segments in YASKAWA. He has a vast experience of around 15 years working in various AC Drive & motion technologies having also worked with companies like VACON (now Danfoss) and Larsen & Toubro previously. Arjun has won many accolades & awards at YASKAWA for business development multiple times and at VACON.

YASKAWA Electric's business hubs are located in 31 countries around the world and production bases are located in 12 countries. YASKAWA currently operates in the following four business domains, "Motion Control", "Robotics", "System Engineering" and "Information Technologies". As a "Total Solution Company", YASKAWA contributes to the development of industry and society, by providing various business solutions to customers.

