

SMC Smart & Sustainable 4BAR factory With Digitalization in Pneumatic Systems

Seminar Outline

We are inviting end-users, OEMs, energy managers, and relevant partners to join us in our efforts to help preserve our planet by decreasing energy consumption and carbon footprint. Throughout this initiative, SMC will offer up-to-date insights and updates on energy-saving practices. Furthermore, with the integration of SMC digital technologies, this connectivity enables remote monitoring and control of Pneumatic Systems, allowing for centralized management and diagnostics.

Discover and learn more:

1. Energy saving and compact actuators recommended for 4BAR factory solutions.
2. Solenoid valves with the lowest power consumption ideal for use at 4BAR.
3. SMC solutions for air blowing with high flow & impact pressure.
4. SMC solutions for vacuum system with high vacuum pressure & suction flow.
5. Reduce pressure at appropriate points by using regulators wherever possible. Small reductions can lead to significant savings.
6. Easily Calculate Air Leakage Costs & CO₂ Emissions with Airmore.
7. Integration of pressure and flow monitoring sensors with IO-Link feature. Identify any pressure loss especially at 4BAR.
8. Optimize the performance of your 4BAR factory with SMC Air Management System.
9. SMC digital architecture to build smart & sustainable 4BAR factory in pneumatic systems.
10. SMC Energy Saving Best Practices Demonstration.



**6 SCEM PDU Points
will be awarded to SCEMs**



Date :
23rd April 2026 (Thursday)

Time :
8.30am - 4.30pm

Venue :
**SMC Corporation (Singapore) Pte. Ltd.
33 Tuas Avenue 8, Singapore 639251
SMC Technical Centre | Level 3 (MPH)**



Mr. Steven Loke
Director of Marketing

With over 30 years of teaching experience in control technology, Mr. Steven Loke is an expert in Pneumatics, Electro-Pneumatics, Vacuum, and Mechatronic Systems. He has also received training from SMC Japan on the latest product updates and technology trends, as well as energy-saving techniques in pneumatic systems and equipment.



Mr Loo Tze Peng
Assistant Manager, Technical
Product Support Team,
Regional Marketing

Loo Tze Peng is a mechanical designer specializing in energy-efficient manufacturing. He has performed energy-saving assessments and audits for global and local customers, helping them improve sustainability and efficiency. His focus is on designing machines that optimize energy usage and support the development of 4BAR factories.



Time Event & Schedule

- 8.30am : Registration & Refreshments**
- 8.50am : Welcome Speech**
- 9.00am : Seminar commence (4BAR factory)**
- 12.30pm : Lunch**
- 1.30pm : Seminar (Air leakage tester with AlgoLeak)**
- 2.00pm : Seminar (4BAR factory Digitalization)**
- 3.00pm : SMC product Live Demo**
- 4.00pm : Kahoot quiz with prizes**
- 4.30pm : Seminar Ends**



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