

Young Engineer Program

(2025 · VW Southeast Asia Edition)



Date: September 24, 2025

(on the same day as the first day of the Conference)

Venue: Course Room, Expo Hall, Hall 6, Singapore Expo, Singapore

The Young Engineer Program is designed to equip young engineers with a profound and practical understanding of valve technology. Covering the spectrum from fundamental principles to advanced applications, this program focuses on imparting knowledge and skills crucial for the professional growth of aspiring engineers in the field.

• Target Audience

This program is tailored for young engineers who are at the early stages of their careers, typically within 0–5 years post-graduation with an engineering degree. It is also suitable for those with up to 3 years of cross-industry experience, such as transitioning from field operations to engineering roles. The program is ideal for individuals in entry-level positions, including Junior Engineers and Field Technicians.

TIMETABLE

Opening Icebreaker	9:30-10:00 Course Moderator - David Yakos, Co-founder and Chief Innovation Officer of MagDrive Technologies & All Trainees
Session 1 Valve Fundamentals	10:00-10:30 <i>Valves 101: Foundations, Functions, and Future Innovations</i> - David Yakos, Co-founder and Chief Innovation Officer of MagDrive Technologies
Session 2 Safety Critical Valves	10:30-11:30 <i>Introduction to Pressure Relief Valves: From Fundamentals to Risk-based Maintenance</i> - Emiel Lechevallier, Lead SME Hydrogen and CNC, Ventil
Session 3 I Sealing & Fugitive Emissions	11:30-12:15 <i>Mastering Gasket Installation & Emission Optimization: Techniques for Peak Program Efficiency</i> - Vivek Dharmalingam, Technical Sales Manager, Klinger India
Lunch	12:15-13:15
Session 3 II Sealing & Fugitive Emissions	13:15-14:00 <i>East Meets West for the Environment</i> - Bronson Pate, Vice President of Operations, MagDrive Technologies
Session 4 Valve Selection & Procurement	14:00-15:00 <i>How to specify valves for purchasing</i> - Mrinal Das, Senior Vice President, Projects & Engineering Purchase, Dorf Ketal Chemicals India Limited
Session 5 Oil & Gas Valve Maintenance	15:00-16:00 <i>Valve Maintenance in Oil & Gas: Reliability, Risk & Best Practices</i> - Richard Bonardo Napitupulu, Project QA/QC and Commissioning Lead, PT Pertamina Hulu Energi ONWJ
Session 6 Standards, Testing & Valve Technology	16:00-17:00 <i>The Evolution of Fugitive Emission Test Standards and the First Fugitive Emission Test Laboratory for Valves and Seals</i> - Matt Wasielewski, Founder, Yarmouth Research and Technology
Study Tour: Stand Visit on Expo Floor led by different lecturers	17:00-17:45 <i>The guided tour, led by instructors, will take participants to visit designated booths for in-depth learning and interactive communication</i>

Attendees will also receive:

- Certificate of Completion
- Lunch Free
- Subscription
- Unlimited access to expo

The class schedule may be adjusted according to actual circumstances, and the on-site arrangement shall prevail.

Notably, the Young Engineers Course is now qualified for **6 PDUs** by the Professional Engineers Board

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September 24-25 · Valve World Southeast Asia Expo & Conference 2025

Singapore Expo, Singapore www.valve-world-sea.com