

FMM Smart Manufacturing Conference 2026
Theme: AI-Powered Smart Manufacturing:
Transforming Industry for Next-Gen Competitiveness

Date: November 26, 2026
Venue: One World Hotel, Petaling Jaya

Programme

08:30am	Registration and Welcome Coffee
09:00am	Welcome Address Dr Helena Eian, Chairman, FMM Smart Manufacturing Committee
09:10am	Opening Address Mr Jacob Lee, President, Federation of Malaysian Manufacturing
09:20am	Keynote Address Accelerating Malaysia's Smart Manufacturing Transformation for Global Competitiveness Minister, Ministry of Investment, Trade and Industry (MITI) Malaysia
09:35am	Panel 1: (Executive Leadership Panel) AI-Powered Smart Manufacturing: Transforming Industry for Next-Gen Competitiveness This C-suite session will examine how manufacturing leaders can move beyond isolated AI pilots and embed digitalisation and enterprise-wide AI across their operations. Panellists will discuss driving executive alignment and commitment, prioritising investments, leading organisational change, ensuring workforce readiness, and implementing robust technology governance to measure real business returns from AI development. Moderator: FMM Council Member Panel Members: • Dato' KS Pua, Founder, PHISON Electronics Corp • Professor Dr Ong Kian Ming, Member of the FMM Advisory Board and former Deputy Minister of MITI • Datuk Ng Wan Peng, Director, Digital Penang • Datuk Zainal Amanshah, TIME dotCom Berhad • Mr Reza Ali, Director, AI Malaysia Berhad
10:35am	Networking Coffee Break
Moderator: Mr Yong Yoon Kit, Vice-Chairman, FMM Smart Manufacturing Committee	
11:00am	S1: The AI-Driven Manufacturing: Unleashing Productivity through Smart Manufacturing Transformation

11:30am	S2: The Autonomous Factory: Machine Vision, Smart Sensors, and 5G-Enabled Industrial Automation
12:00pm	Panel 2: Building the Industry 4.0 Workforce: Upskilling, Reskilling, and Human-Machine Collaboration This session focuses on capability building and organisational readiness for the digital era. Panellists will share actionable strategies for manufacturing executives to upskill existing operators, bridge technical capability gaps, and cultivate a culture that seamlessly integrates automated and AI-assisted workflows. Moderator: Ms Alice Lee Mei Nar, FMM Council Member Proposed Panel Members: • Professor Dr Mahendhiran S Nair, Sunway University • Dr Denise Vandeweyer, Co-Founder, VERDAS AI • Dr Ivan Man Lung Sham, Chief Commercial Director, ASTRI Hong Kong • Mawea Industries Sdn Bhd
12:45pm	Q&A
01:00pm	Networking Lunch
Moderator: Mr Raja Giri, FMM Smart Manufacturing Committee	
02:00pm	S3: Industrial AI for Connected and Predictive Manufacturing Operations This session will explore how Industrial AI can help manufacturers transform production data into timely and actionable insights. Speaker: Monitor ERP System Sdn Bhd
02:30pm	S4: From Energy Visibility to Operational Savings: Building a Sustainable Smart Factory This session will explore how manufacturers can use smart energy monitoring, industrial IoT and automated control systems to reduce operating costs and improve environmental performance. It will examine how energy consumption data from machinery, production lines and factory utilities can be monitored in real time to identify excessive usage, demand peaks, equipment inefficiencies and energy waste. This session will help manufacturers develop a scalable roadmap for achieving measurable cost savings, greater resource efficiency and more sustainable manufacturing operations. Speaker: Advantech Co. Malaysia Sdn Bhd

03:00pm	Industry Briefing I: Malaysia's Smart Factory Roadmap - Support, Readiness and Pathways to Adoption The session will explain the national direction for smart manufacturing under NIMP 2030 and the support available to manufacturers. It will cover the Smart Tech-Up Programme, available financing, technology adoption pathways and the steps manufacturers can take to progress from basic digitalisation to an integrated smart factory. Speaker: MITI Delivery Management Unit & SIRIM Smart Tech-Up Team
	Industry Briefing II: From Capital Investment to Operational Impact: Funding Your Smart Manufacturing Journey This session guide manufacturers on how to plan, justify and finance investments in digitalisation, automation and smart manufacturing. Speaker: Securities Commission Malaysia (SC)
03:30pm	S5: Cobots, Robotics, and Humanoids: Finding the Right Automation Scale for Malaysian Manufacturing The session will examine Malaysia's readiness for the next generation of robotics. It will compare industrial robots, collaborative robots, and humanoids, while explaining how manufacturers can identify the most suitable technology based on their operational needs. Practical use cases will demonstrate how robotics and automation can help manufacturers address labour shortages, enhance productivity, improve workplace safety and precision-based manufacturing activities. Speaker: APulsar Technologies Sdn Bhd
04:00pm	Panel 3: Industrial AI in Action — Real-World Use Cases from Smart Factories This panel will showcase practical Industrial AI applications and discuss how manufacturers can progress from proof-of-concept projects to full-scale deployment. Panellists will address data readiness, system integration, cybersecurity, workforce acceptance, implementation costs, return on investment and the selection of suitable technology partners. Moderator: Mr Chai Kim Chen, Vice-Chairman FMM Smart Manufacturing Committee Proposed Members: • Mr Chuck Fung, General Manager, Hong Kong Productivity Council (HKPC) • Mr Pan Zhicong, Founder & CEO, Stackbrains AI • MIMOS Berhad • Invited Speaker / Industry Expert 6

04:45pm	Panel 4: Manufacturer Transformation Story – From Pilot Project to Enterprise-Wide Smart Factory (<i>Sharing session - Manufacturing Case Study</i>) Sharing on transformation journey including the initial business challenge, solutions adopted, implementation approach, measurable operational results, lesson learned and recommendations for other manufacturers. Moderator: FMM Smart Manufacturing Committee Proposed Members: • Mr CC Cheah, See Hau Global Sdn Bhd • Mr Andrew Woon, A.W. Faber-Castell (M) Sdn Bhd • Ms Chong Ai Wee, Steelworks Engineering Sdn Bhd • Mr Wong Kok Hoon, TD Furniture Square Sdn Bhd
05:30pm	Q&A
05:40pm	Networking Coffee and End of programme