

Conference Program

Valve World Southeast Asia Expo & Conference 2025

Day 1 Wednesday, 24 September 2025

9:30 AM	Morning Coffee & Greetings	
Keynote Session Moderator: Asrul Hazimin Mohamad, Petroliam Nasional Berhad (PETRONAS)		
10:00 AM	Chairman's Welcome and Keynote Address (Keynote 1): Unlocking Value Through JIP33: Latest Updates & Road Ahead, Asrul Hazimin Mohamad, Petroliam Nasional Berhad (PETRONAS)	
10:20 AM	Keynote 2	Evolution of Standards in Additive Manufacturing, Energy, Oil & Gas Industries and Valve Applications with an Emphasis on ASTM Standards, Andy Lu, ASTM INTERNATIONAL
10:45 AM	Keynote 3	Hydrogen's Role in the Energy Transition and Standards Update, Amado Aguinaldo III ¹ , Authors: A. Ramos ¹ , Fluor Daniel Inc., Philippines ¹ ; C. Dwyer ² , Fluor Enterprises, Inc. ²
11:10 AM	Keynote 4	Procurement of Valves and Challenges, An End User Perspective, Mrinal Das, Dorf Ketel Chemicals India Limited
11:35 AM	Keynote 5	If Technology Advancements Can Save Money... Why are we not adopting them quickly... Bronson Pate, MagDrive Technologies
12:00	Lunch & Expo Break	
Panel Discussion A Latest Advances & Trends in Valve Industry Supply Chain Digitization Moderator: Tatsuya TOBE, JGC Corporation		
1:00 PM	Valve Transformation through Digital Twins, Michael Lopez, Co-author: Arianne May Calayo , Sheila Marie Berania-Ramos, Kayzel Joyce De Roxas, Fluor Daniel Inc., Philippines	
1:20 PM	Digital Twin Analysis for severe service valves, Shridhar Patil, Hanamantraya Sasanur, Flowserve India Controls Pvt. Ltd.	
1:40 PM	Panelists: - Amado Aguinaldo III, Fluor Daniel Inc., Philippines - Asrul Hazimin Mohamad, Petroliam Nasional Berhad (PETRONAS) - Tengku Syahdilan, PT Pertamina Hulu Mahakam - Mohanned W. Tarabzouni, Saudi Aramco	
2:30 PM	Coffee & Expo Break	
Plenary Session: Valve Design, Selection & Application		
Valve Design: Moderator - Neeraj Batra, McDermott International Inc.		
2:45 PM	Innovative Solutions for Enhanced Reliability in Natural Gas Scraper Barrel Valves, Mohd Amli bin Ismail, M Sazli B Ismail, M Asmadi bin Mohamad, M Sayyidi B Mohamad Ariffin, PETRONAS	
3:10 PM	ESD Ball Valve Design Innovation for Critical Service, Guohong Zhang, FR Valve	
3:35 PM	Innovative V-Port Ball Design in Characterized Control Ball Valves for Flow Control Applications, Rajkumar Ravichandran, Flowserve India Controls Pvt. Ltd.	
4:00 PM	Innovative Separation Solutions: Mixproof Valves in Advanced Technology and Life Sciences, Michael Lopez, Cassandra Borillo, Co-author: Mara Paulene Rosuelo, Francis John Bilo, Fluor Daniel Inc., Philippines	
4:25 PM	The new sustainable thermoplastic Butterfly Valve 565 with metal attributes, Jochen Hamburger, GF Industry and Infra-structure Flow Solutions	
Valve Selection & Application: Moderator - Amado Aguinaldo III, Fluor Daniel Inc., Philippines		
4:50 PM	Optimized Selection, Design, and Integration of Subsea Ball Valves for Upstream Oil and Gas: Standards, Analytical Methods, and Lessons Learned, Richard Bonardo Napitupulu ¹ , Irawan Josodipuro ² , Achmad Arifin ³ , PT Pertamina Hulu Energi ONWJ ¹ , Subject Matter Expert ² , PT Pertamina Hulu Mahakam ³	
5:15 PM	Critical/Specialty Valves for Offshore Industries & Challenges, Senthilkumar Pillai, Offshore Engineering	
5:40 PM	Case Study on Valve Failures in Oil & Gas Refineries and Potential Solutions, Hong Ming LIM, Guan Hui GUAI, ExxonMobil Asia Pacific Pte Ltd.	
6:30 PM	Networking Reception (Invited Only)	

Day 2 Thursday, 25 September 2025

9:30 AM	Morning Coffee & Greetings	
Featured Presentation Session Moderator: Dave Anderson, Score		
10:00 AM	Featured Presentation 1	Valve Reliability and Operational Sustainability: A Strategic HP-QITP Framework for Inspection and Testing, Irawan Josodipuro, Subject Matter Expert
10:25 AM	Featured Presentation 2	Systematic Approach of Valve Casting Assessment, Mousa R. Al-Harbi, Adrian Wang, Saudi Aramco
10:50 AM	Featured Presentation 3	GHG Emission Reduction of Valve Manufacture, Owen Gu, Neway Valve (Suzhou) Co., Ltd.
11:15 AM	Featured Presentation 4	Reducing Carbon Footprint Using Additive Manufacturing, Muhamad Hafiz Bin Md Sin, Petronas Group Technical Solution (GTS)
11:40 AM	Coffee & Expo Break	
Panel Discussion B Determining the Best Approach: Refurbishing vs. Maintaining Valves Moderator: Asrul Hazimin Mohamad, Petroliam Nasional Berhad (PETRONAS)		
12:00	Manual valve maintenance strategy and servicing enhance, M Sazli B Ismail Co-author: Mohd Zainuddin Bin Awang, Petroliam Nasional Berhad (PETRONAS), Khairul Aizat B M Zaki, Muhamad Hafiz B Md Sin, Petronas Technical Services Sdn Bhd	
12:20	SHP Valves Reliability in Steam Cracker, Rajamanickam Prabu, Purav Desai, ExxonMobil Asia Pacific Pte Ltd. Co-author: Rajaram Chidambaram, ExxonMobil Asia Pacific Pte Ltd.	
12:40	Streamline Maintenance – Replace Valves without Shutdown, Alex Follington, SLB	
12:50	Panelists: • Tatsuya TOBE, JGC Corporation • Mrinal Das, Dorf Ketel Chemicals India Limited • M Sazli B Ismail, Petroliam Nasional Berhad (PETRONAS) • Dave Anderson, Score	
1:30 PM	Lunch & Expo Break	
	Room A	Room B
	Sealing Moderator: Sulih Pradata, PHE (Pertamina Hulu Energy)	Testing Moderator: Owen GU, Neway Valve
2:30 PM	Innovative Replaceable Sealing Technology in Valves for Severe Service applications—A PATH TO MAINTENANCE EFFICIENCY AND STANDARDIZATION, Senthil Kumar Viswanathan, Vignesh Murugan (co-author), Flowserve India Controls Pvt. Ltd.	Gas Testing Matters – Quantifying hydrostatic – and gas pressure tests, Emiel Lechevallier, Ventil
2:55 PM	Innovative High-Temperature Sealing Solution and Applications, Sophia LIU, Garlock Singapore Pte Ltd.	Independent Verification of Microbiologically Influenced Corrosion (MIC) in Safety-Critical Valves within the Oil & Gas Industry, Paresh Katvi, Independent Consultant for Oil and Gas Projects and operate from Mumbai, India
3:20 PM	Next-Generation Valve Sealing Solutions: Evolution of High-Performance PTFE-Free Gland Packing in Response to Market Trends and Environmental Regulations, Alex Nakata, PILLAR Corporation	Design Validation Test of a 10.000 psi API 6A Integral Block and Bleed Valve, Tengku Syahdilan ¹ , Kelvin Octavianus Djohan ² , Russel Chu ² , Achmad Arifin ¹ (co-author), PT. Pertamina Hulu Mahakam ¹ , Teknologi Rekayasa Katup ²
3:45 PM	Coffee & Expo Break	
	Fugitive Emissions Moderator: Mrinal Das, Dorf Ketel Chemicals India Limited	Control Valves & Instrumentation Moderator: Tengku Syahdilan, PT Pertamina Hulu Mahakam
4:00 PM	API and ISO Fugitive Emission Test Standards – Updates and Additions, Matt Wasielewski, Yarmouth Research and Technology, LLC	Implications of Multiple Safety Factors Within the Design Process, Marpoe Panaligan, Vincent Mezzano (co-author), Fluor Daniel, Inc., Philippines
4:25 PM	Creative PTFE Solution: Making Sealing Easier with Low Emissions, Sophia LIU, Garlock Singapore Pte Ltd.	AI-Driven Predictive Maintenance for Pneumatic Control Valves: Enhancing Reliability and Efficiency, Kamarthi Karthik, Aramalla Chandana, Baker Hughes
4:50 PM	Sustainable Fugitive Emission Testing, Emiel Lechevallier, Ventil	Integrating Electrification, Digitalization and Automation into Next Generation CCS, Xenofon Antoniou, Rotork

*The order of speeches, topics, and speakers may be adjusted according to actual circumstances, with the on-site arrangements prevailing.

Last Updated: 15 of September, 2025