

Valve World Expo & Conference 2024

DAY ONE - 3 DECEMBER > ENERGY TRANSITIONS

MORNING PROGRAM	KEYNOTE		
9:15 - 9:30	OPENING ADDRESS CHAIRMAN, <i>Bruno Martin, Technip Energies</i>		
9:30 - 10:15	KEYNOTE 1: Valve preservation challenges, <i>Roberto Muscarà / Salam Alsowaidan, Saudi Aramco</i>		
10:15 - 10:45	COFFEE BREAK		
10:45 - 11:15	KEYNOTE 2: The move toward "green" valves for the oil & gas industries, with a certified & low carbon footprint, <i>Alfred Kruijer, Shell</i>		
11:15 - 12:00	KEYNOTE 3: API specification for valves for hydrogen gas service, <i>Jonathan Geleijns, SLB</i>		
12:00 - 13:30	LUNCH BREAK		
AFTERNOON PROGRAM	ROOM 14	ROOM 15	ROOM 16
13:30 - 15:10	Technical session / INNOVATIONS <i>Moderator: Dave Anderson, Score</i>	Technical session / MATERIALS <i>Moderator: Ron Merrick, Fluor</i>	Workshop / FUTURE <i>Moderator: Gobind Khiani, Enbridge Inc</i>
13:30 - 13:55	The technical development of valves for liquefied hydrogen, <i>Masazumi Funato, KITZ Corporation</i>	Hydrogen effects on polymeric materials, <i>Simona Macchi, Effeciemme Componenti srl</i>	Valves for future energy – Riding the hydrogen wave, <i>Sumith S, Venkatesh NR, L&T Valves Limited</i>
13:55 - 14:20	Valves for CCUS applications: addressing challenges of CO ₂ service with cost-effective solutions, <i>Marco Sparisci, DAFRAM S.p.A.</i>	Optimizing protection: Coating selection for molten salt valves using FactSage™, <i>Fadila Khelfaoui, Velan Inc</i>	Energy transition: Exploring the pathway to a sustainable future, <i>Sam Raissi, Deghat Namad Hezaresevom Co. (DNH)</i>
14:20 - 14:45	The new control valve era towards the energy transition. Advantages of the DDV against the traditional control valves, <i>Leire Colomo Zulaika, Ampo Poyam Valves</i>	Cryogenic pack polymers for LNG and LH2, <i>Christian Salvatori, Victrex Europa</i>	Sustainability in valve manufacturing
14:45-15:10	Automated detection & minimisation of flaring & venting, <i>Dave Anderson, Score</i>	Empowering net-zero ambitions with precision sealing & material solutions, <i>Shabarish Nunna, Omniseal Solutions</i>	Future trends in flow control
15:10 - 15:30	COFFEE BREAK		
15:30 - 16:45	Technical session / DESIGN <i>Moderator: Alberto Seveso, Neway</i>	Technical session / EMISSIONS <i>Moderator: Muktiadi Rahardjo, Shell</i>	Workshop / HYDROGEN <i>Moderator: TBA</i>
15:30 - 15:55	Design one, build many green hydrogen electrolyzers with proper valve technology, <i>Aurélien Tissot, Emerson</i>	Comparative analysis of packing materials and geometries in high-pressure needle valves for hydrogen applications at 700 Bar, <i>Enric Palau Forte, Redfluid & Universitat Rovira i Virgili</i>	Fugitive emissions of a valve with gaseous hydrogen: tests on seals and tests on valve, <i>Emmanuel Sauger, Cetim</i>
15:55 - 16:20	Cryogenic high performance valve for hydrogen aircraft, <i>Mitsuru Hosokawa, KITZ Corporation</i>	Magnetic applications for severe services, <i>Nick Runyon, MagDrive Technologies</i>	Getting ready for liquid hydrogen, <i>Emiel Lechevallier, Ventil Test Equipment</i>
16:20 - 16:45	Design innovations	Effective emission control	Fugitive emission sealing of hydrogen for flanges and valve stems, <i>Ralf Vogel, European Sealing Association</i>
16:45	NETWORKING ON EXHIBITION FLOOR		

DAY TWO - 4 DECEMBER > DIGITALISATION

MORNING PROGRAM	KEYNOTE	
9:10 - 9:15	OPENING ADDRESS CHAIRMAN, Recap 1 st day and outlook 2 nd day, <i>Bruno Martin, Technip Energies</i>	
9:15 - 9:45	KEYNOTE 1: Why RBI is a critical element of your digitalisation Efforts, <i>Dave Anderson, Score</i>	
9:45 - 10:15	KEYNOTE 2: Global fugitive emissions reductions with a total cost of ownership (TCO) view, <i>Bronson Pate, MagDrive Technologies</i>	
10:15- 10:45	COFFEE BREAK	
10:45 - 12:00	PANEL DISCUSSION <i>Moderator: TBA</i> <i>Panellists: Michael Howells (Emerson)</i>	Young Engineer Program (10:30-12:00) See page 6 for details
12:00 - 13:30	LUNCH BREAK	

DAY TWO - 4 DECEMBER > DIGITALISATION

AFTERNOON PROGRAM	ROOM 14	ROOM 15	ROOM 16
13.30 - 15.10	Technical session / MAINTENANCE <i>Moderator: Ayo Kilani, Nigeria LNG Limite</i>	Technical session / ADDITIVE MANUFACTURING <i>Moderator: Melonie Dodaro, Valve World</i>	Young Engineer Program (13:30-14:45) See page 6 for details
13:30 - 13:55	Combining process anomaly detection with continuous valve diagnostics, <i>Jules Oudmans, UReason / Perry Jaspers, Yara International</i>	Zirconium 705C valve development by laser powder bed fusion, <i>Alexandre Bois-Brochu, CMQ - Centre de métallurgie du Québec</i>	
13:55 - 14:20	ENKI: Remote planning and management system of plant turnaround with focus on industrial valves maintenance, <i>Tiago Remedio, Axpr Valve Science</i>	Challenges in the development of new valve designs with Additive Manufacturing, <i>Steve Freitas, IMI CCI</i>	
14:20 - 14:45	Rethink your control valve servicing for chemical plants, <i>Aurélien Tissot, Emerson</i>	topic pending	
14:45 - 15:00	COFFEE BREAK		
15:00 - 16:40	Technical session / DESIGN/NEW TECHNOLOGY <i>Moderator: TBA</i>	Technical session / MATERIALS <i>Moderator: Claire Dwyer, Fluor</i>	Live demonstrations <i>Moderator: Tony Smart, Neway</i>
15:00 - 15:25	Data-driven computational fluid dynamics models and their applications, <i>Justin Bernard, Bray International</i>	Casting simulation, above and beyond, 'THE DIGITAL FOUNDRY', <i>Mike Austin, UCL University College London</i>	Live demo 1 (15:00-15:30): A practical guide to helium and forming gas for fugitive emission testing, <i>Emiel Lechevallier, Ventil</i>
15:25 - 15:50	Hole chamfer effects on cavitation and pressure dissipation in perforated plates, <i>Marco Rossi, Appflue srl</i>	Evolution thanks to technology, <i>Klaus Schiebel and Michael Piller, SCHIEBEL Antriebstechnik</i>	Live demo 2 (15:30-16:00): Optimize valve health: Practical techniques for data-enhanced monitoring, <i>Nicolas Spiegl / Florian Zurfluh, Ureason</i>
15:50 - 16:15	Cavitation risk assessment in valves - Method for predicting Incipient cavitation index and FL using single-phase CFD simulations, <i>Praveen Kumar Ramachandran, Centre for Computational Technologies</i>	Correct material specification	Live demo 3 (16:00 - 16:30) Smart valve monitoring solutions with SIPLUG-C, <i>Ulrich Diehl, Framatome</i>
16:15 - 16:40	A comprehensive digital platform for valve manufacturers: 3D design, AR, customization, and machine learning for predicting control valve flow coefficient (cv), <i>Rohit Chavan, Centre For Computational Technology</i>	Better design with correct material specification	Live demo 4 (16:30 - 17:00): <i>Mike Austin, UCL University College London</i>
17.00	NETWORKING ON EXHIBITION FLOOR		

DAY THREE - 5 DECEMBER > STANDARDISATION

MORNING PROGRAM	Room 14	Room 15	Room 16
9:30 - 10:45	Technical session / SEALING <i>Moderator: Sieuwert Blommaert, Ineos</i>	Technical session / FUGITIVE EMISSIONS <i>Moderator: Tony Smart, Neway</i>	Technical session / ACTUATION <i>Moderator: Anthony Vangasse, Rotork</i>
9:30 - 9:55	Negative impact of adhesives on functional reliability of triple offset valves (TOV), <i>Stefan Schulz, IDT Industrie- und Dichtungstechnik</i>	Topic pending	API 6DX: Overview and implementation, <i>Girish Dalbhanjan, Emerson</i>
9:55 - 10:20	Application of graphite seals in the field of valves, <i>Tony (Ming) Sun, Neway Valve</i>	Sustainable fugitive emission testing, <i>Emiel Lechevallier, Ventil Test Equipment</i>	ESG reconciliation and pipeline electrification utilizing engineered gear operators, <i>Tim Chicoine, WedgeRock Engineered Solutions</i>
10:20 - 10:45	Next-generation valve sealing solutions: Evolution of high-performance PFAS-free gland packing in response to market trends and environmental regulations, <i>Masashi Tachibana, Nippon Pillar Packing</i>	The importance of packing installation in maintaining valve reliability, <i>Hans Dekker, A.W. Chesterton Co.</i>	Topic pending
10:45 - 11:15	COFFEE BREAK		
11:15 - 12:55	Technical session / COATING <i>Moderator: TBA</i>	Technical session / DESIGN <i>Moderator: TBA</i>	Technical session / TESTING <i>Moderator: Thomas Wagner, Framatome</i>
11:15 - 11:40	Low temperature surface hardened stainless steels in pumps and valve applications, <i>Susanne Gerritsen, Bodycote Specialist Technologies</i>	Anti-cavitation butterfly valve, <i>Hiroki Okuda, KITZ Corporation</i>	ISO 23632: Design validation testing to enhance safety, reliability, and environmental impact, <i>Luc Vernhes, Velan / Colin Zegers, ITIS</i>
11:40 - 12:05	Sustainable surface hardening solutions for valves: A comparative analysis of expanite vs. hard chroming, <i>Per Wennersten, Ramón Valves AB / Holger Selg, Expanite GmbH</i>	Pushing the limits of segmented ball valves into severe energy transition applications, <i>Mathew Varghese / Prasad Kumar, Bray International</i>	Full explosion proof ball valves innovation engineering for critical service, <i>Zhang Guohong, FR Valve</i>
12:05-12:30	Topic pending	Design of Bi-directional floating 3-way I-port ball valve, <i>Rajeev Bheemaroo Nerlagunte, Rajeev & Company</i>	Overcoming the challenges faced in valve gas testing, <i>Sugumar Sampath, L&T Valves Limited</i>
12:30 - 12:55	Coke-repellent sulfidation-resistant coating to mitigate fouling in resid upgrading environments, <i>Luc Vernhes / Fadila Khelfaoui, Velan</i>	Standardization of Information Requirements Specification (IRS), <i>Owen Gu, Neway Valve</i>	Topic pending
12:55-13:00	CONFERENCE ENDING		