

Valve World Expo & Conference 2022



12th International Valve Conference & Expo
29 November - 1 December 2022 | Messe Düsseldorf, Germany



Advance Conference Program

Sponsored by:



KITZ

MRC Global



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Organized by:



www.valve-world-conference.com

Word from the chairman:

Ayo Kilani, Head Mechanical (Static), NLNG, Nigeria

As Conference Chairman, it is my sincere pleasure to welcome you to the 12th edition of the International Valve World Conference & Expo. The event will take place from November 29 to December 1st of 2022 in Düsseldorf. First of all, I was pleasantly surprised to be nominated to chair the Valve World Conference 2022. I attended the conference for the first time in 2016, following a recommendation by a valve subject matter expert who works for one of our shareholder companies.

Prior to that time, I had led a team in my current organisation to develop a valve maintenance strategy for our critical valves and felt the need for other insights to further shape the strategy for flawless implementation.

During the years, I have gained hands-on experience working with OEMs and maintenance contractors in developing a fit-for-purpose valve maintenance strategy to improve plant reliability and minimize occurrences of leaks and fugitive emissions. I am looking forward to sharing these experiences through my chairmanship and participation in the Valve World Conference 2022.

A key expectation for me at this year's conference is for participants to showcase products, services and to share insights that will help the various businesses achieve lower CAPEX and OPEX in the face of the volatility in the oil and gas market. In the light of the COVID-19 pandemic, there are still many uncertainties and associated risks.

As for the conference, there will be something for everyone here. Each day starts with plenary lectures addressing global, broader aspects of the valve industry such as the energy transition (decarbonisation) or the future of the industry, looking at how end-user markets will develop in the aftermath of the pandemic. These lectures will provide food for thought as to how crucial end-user markets and the valve industry will develop in the near future.

There will be plenty of opportunity to exchange ideas with fellow-delegates or the presenters. After all, the Valve World Conference is an excellent networking event, designed to meet up with old acquaintances or come into contact with new members of the global valve community.

I and the whole team who have helped to put this conference together look forward to meeting you there. Come and share your knowledge and enthusiasm with us and become an even more integral part of the valve community!

"The Valve World Conference is an excellent networking event, designed to meet up with old acquaintances or come into contact with new members of the global valve community."



Valve World Conference 2022 Steering Committee

Ayo Kilani, NLNG (chairman)
Bader Al-Jarallah, Aramco
M. Al-Shiha, Aramco
Carlo de Bernardi, ConocoPhillips
Paul Clements, BP
Clair Dwyer, Fluor Enterprises Inc
Alexander Hein, BASF
Ingolf Fra Holmslet, Klyde Consultants
Kiyo Ichikawa, KCI Publishing
Tomoharu Ishii, KITZ

Ville Kähkönen, Valmet
Gobind Khiani, Enbridge Pipelines
Bruno Martin, Technip Energies
Ron Merrick, formerly Fluor
Thijs van Munster, MRC Global
Carl Neeskens, INEOS
Masayuki Ono, JGC Holdings Corporation
Bronson Pate, Tricord Consulting
Rodney Roth, KAR Oil and Gas Technologies

Holger Schmidt, Areva
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Marc Simoëns, Dow Benelux
Tony Smart, formerly Shell
Marty van Tilburg, Sitech Services
Aurelien Tissot, Emerson
Thomas Wagner, Framatome
Shi Xiaolei, Wison Engineering
Wojciech Zmudzinski, BP USA

General Information

Welcome reception

On Monday afternoon (November 28th) before the Valve World Conference and Expo truly begins, it has become a tradition for the Valve World organizers, KCI Publishing/ Messe Düsseldorf, to hold a welcome reception for their valued partners. It will certainly provide you with a great start to the three-day event and it is the place where you can meet up with old friends and possible new business partners. The atmosphere is relaxed and convivial so it is an ideal location to socialize with exhibitors, speakers from the upcoming conference, and the international steering committee.



For more information regarding times and location visit www.valve-world-conference.com and follow the links to The Social Program.

Coffee breaks and lunches

The coffee breaks and lunches allow delegates to go onto the expo floor. They also serve as an interval for informal discussions with presenters, session chairs, and moderators. Additionally, they provide the chance for end-users to meet up with manufacturers, suppliers, traders and other visitors to the event creating an exciting mix of business opportunities.



For more information regarding times and locations visit www.valve-world-conference.com and follow the links to The Social Program.

Contact the organizers

For more information about the conference, contact:

Mrs Kiyo Ichikawa
Tel: +31 651 576 326
k.ichikawa@kci-world.com

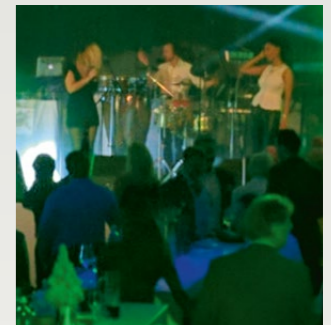
For information about exhibiting and the event in general, contact:

Mrs. Nicole Nagel
Tel.: + 49 2821 711 45 55
n.nagel@kci-world.com

<https://valve-world-conference.com/>

Valve World dinner & party

The Valve World Dinner is undoubtedly the highlight of the Valve World Conference & Expo. Held on the evening of Wednesday, December 30th, it is a guarantee for fun and sheer enjoyment. It also provides a perfect setting to network and generally relax after a busy day at the event.



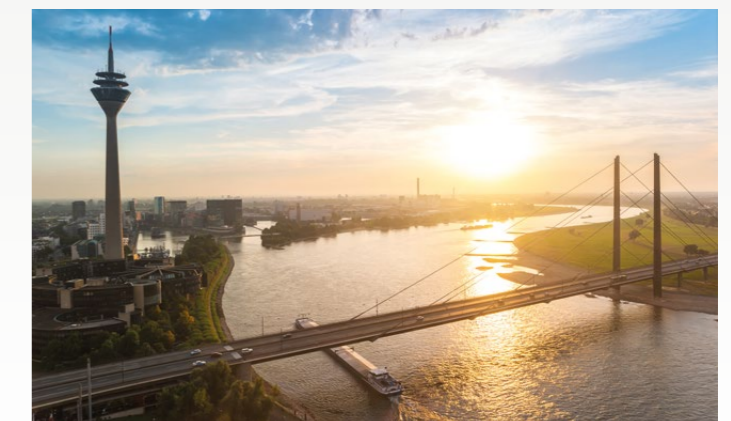
For more information regarding times, location prices and registration visit www.valve-world-conference.com and follow the links to The Social Program.

Travelling to Valve World 2022

Düsseldorf is an ideal location to travel to in Europe, being connected to some 180+ locations around the globe through more than 80 airlines. Additionally, Düsseldorf central railway station is located nearby. For extensive information on all travel possibilities to Düsseldorf, visit: <http://www.valveworldexpo.com>. If you should need further information or assistance in connection with any aspect of your travel arrangements or hotel booking please do not hesitate to contact Düsseldorf Marketing & Tourismus directly at:

Tel.: +49 (0) 211 17 202 867

E-mail: info@duesseldorf-tourismus.de



DAY 1 – 29 NOVEMBER

MORNING PROGRAMME			
09.00 - 09.15	OPENING ADDRESS CHAIRMAN		<i>Ayo Kilani, NLNG</i>
09.15 - 09.45	PLENARY SESSION 1	Energy transition and repercussions for the work/scope of IOGP and equipment supply chain	<i>Adri Postema, International Association of Oil & Gas Producers (IOGP)</i>
09.45 - 10.15	PLENARY SESSION 2	Navigating in an ever changing market	<i>Rob Saltiel, MRC Global</i>
10.15 - 10.45	COFFEE BREAK		
10.45 - 12.00	PANEL DISCUSSION	Decarbonisation of the energy sector: implications for the flow control industry	<i>Participants: various end users (Shell etc.)</i>
12.00 - 13.30	LUNCH BREAK		
AFTERNOON PROGRAMME	ROOM 1	ROOM 2	ROOM 3
13.30 - 15.00	DIGITALISATION	ADDITIVE MANUFACTURING	WORKSHOP FUGITIVE EMISSIONS
	<p><i>Moderator: Claire Dwyer, Fluor</i></p> <p>Delivering on valve diagnostics <i>Richard Grace, Emerson</i></p> <p>High-quality data to strengthen operational performance <i>Peter Shwets, TEAM</i></p> <p>Digital solutions: leveraging data from smart devices <i>Ramakrishna Koti, Valmet</i></p> <p>V-Flange – An enhanced device for manual valves smart monitoring <i>Gianluca Losi, Velan</i></p>	<p><i>Moderator: Carlo de Bernardi, ConocoPhillips</i></p> <p>Additively manufactured polymeric gaskets for digital inventory solutions <i>Luisa Mondora, Gianluca Acquistapace, Valland</i></p> <p>Next generation AM sleeve to mitigate stress in severe service <i>Fadila Khelfaoui, Velan</i></p> <p>Development and validation of Additive Manufacturing technology for oil and gas applications <i>Steve Freitas, IMI Critical Engineering</i></p> <p>Valves and components with Additive Manufacturing: Design and Sustainability <i>Valeria Tirelli, Aidro Srl</i></p> <p>Validation of Additive Manufacturing for oil and gas <i>Carlo de Bernardi, ConocoPhillips</i></p>	<p><i>Moderators/presenters: Bronson Pate, Tricord Consulting/ Rodney Roth, KAR Oil and Gas technologies</i></p> <p>With various presentations such as a case study digital monitoring of flare valves (MRC Global)</p>
15.00 - 15.30	COFFEE BREAK		
15.30 - 17.00	PREDICTIVE MAINTENANCE	WORKSHOP ADDITIVE MANUFACTURING	FUGITIVE EMISSIONS
	<p><i>Moderator: Ingolf Holmslet, Klyde</i></p> <p>Valve inspection with acoustic emission: boundaries and new opportunities for predictive maintenance <i>Michael Hettegger, Senseven GmbH</i></p> <p>The detection of valve condition by gyro sensors <i>Isao Nishizawa, KITZ</i></p> <p>Predictive maintenance of safety devices thanks to intelligent measurement technology <i>Martin Hundt, Huckauf Ingenieure GmbH</i></p> <p>Maximize reliability with modern, data-driven shutdown planning <i>Ramakrishna Koti, Valmet</i></p>	<p><i>Moderator: Onno Ponfoort, Berenschot</i></p> <p>A cross-sectoral discussion looking at AM in oil and gas, aerospace, defense, focussing on synergies, best practices et cetera <i>Panellists: Daniel Urbanczyk, BASF</i> <i>Fadila Khelfaoui, Velan</i></p> <p>Evaluation of Additive Manufacturing for Valve Components</p>	<p><i>Moderator: Bronson Pate, Tricord Consulting</i></p> <p>Reducing fugitive emissions in industrial production facilities <i>Rene Van Der Gaag, Emerson</i></p> <p>Fugitive emission sealing for valve stems <i>Ralf Vogel, ESA</i></p> <p>The influence of packing set molding densification on sealability <i>Isadora R. Henriques, Teadit</i></p> <p>Zero Emission Solutions for Gas Actuator - Eliminate Greenhouse Gas Discharges <i>Stefano Belletti, Emerson</i></p>
17:00	End day one		

Program may be subjected to changes without prior notice.

DAY 2 – 30 NOVEMBER

MORNING PROGRAMME		
09.30 - 09.40	OPENING ADDRESS CHAIRMAN	Recap day one and outlook day two <i>Ayo Kilani, NLNG</i>
09.40 - 10.10	PLENARY SESSION 1	Decarbonisation of the natural gas supply chain
10.10 - 10.40	PLENARY SESSION 2	Turnkey Component Contracting and its impact on the valve supply chain and product quality <i>Hatim Alhamdan, Aramco</i>
10.40 - 11.10	COFFEE BREAK	
11.10 - 12.10	PANEL DISCUSSION	The international valve sector: quo vadis? International conflicts, the pandemic, the energy transition, price volatilities, digitalisation. We are living in an age of continuous change. In this panel discussion, a panel of end-user experts will address the most pertinent challenges that will impact the valve industry in the coming years. <i>Panellists tba</i>
12.10 - 13.30	LUNCH BREAK	
AFTERNOON PROGRAMME	ROOM 1	ROOM 2
13.30 - 15.00	SEVERE SERVICE	WORKSHOP MID TO LARGE SCALE GREEN HYDROGEN PRODUCTION
	<p><i>Moderator: Ingolf Holmslet, Klyde Consultants</i></p> <p>Highly-demanding applications/severe service <i>Marshall Norris, Flouserve</i></p> <p>Development of cryogenic valves for liquid & gas phase hydrogen application <i>Jose Avalos, Neway</i></p> <p>Managing valve wear in FCC slurry oil service <i>Jussi Helman, Valmet</i></p> <p>Valve designs and selection for demanding LNG applications <i>Eugenio Sudati, Emerson</i></p>	<p><i>Moderator: DNV</i></p> <p>The workshop will focus on the large scale production/storage of green hydrogen and implications for flow control equipment. With presentations from OEM, valve manufacturer, certification body</p>
15.00 - 15.30	COFFEE BREAK	
15.30 - 17.00	RENEWABLE ENERGY/DECARBONISATION	WORKSHOP IOGP
	<p><i>Moderator: Bruno Martin, Technip Energies</i></p> <p>Developing a test protocol for high-pressure needle valves for hydrogen service <i>Enric Palau, Redfluid & URV</i></p> <p>Controlling hydrogen blending into natural gas networks <i>Rossella Mimmi, Emerson</i></p> <p>Application for fluid control technology for H2 refueling stations <i>Tomoko Kubota, KITZ</i></p> <p>Valve selection for offshore wind farms <i>Sergio Zaghen, Emerson</i></p>	<p>IOGP: Laying the foundation for digital transformation <i>Moderator: David Harris, IOGP</i></p> <p>Presentations: - Digitalizing standards and specifications - JIP 33 global equipment hub, <i>Brian Imray, Sharecat</i> - Digital material passport</p>
17:00	End day two	

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DAY 3 – 1 DECEMBER

MORNING PROGRAMME	ROOM 1	ROOM 2
09.30 - 11.00	VALVE DESIGN <i>Moderator: Ron Merrick, Fluor</i> Development of Liquefied Hydrogen Valves for Mass Transport of Hydrogen <i>Naoya Miura, KITZ</i> Critical valves for gas pipelines and piping systems: End User's and Manufacturer's best practices for ball valves <i>Bader Al Jarallah, Aramco/ Marco Sparisci, DAFRAM</i> Fluidstructure interaction modelling to ensure valve integrity and reliability <i>Leire Colomo, AMPO</i> Design considerations for big bore valves <i>Neeraj Batra, McDermott International Inc.</i>	SEALING / PACKING <i>Moderator: Rodney Roth, KAR Oil and Gas Technologies</i> A systematic approach for pre-validation of polymer spring-energised seals for critical valve applications <i>Christoph Valdenaire, Omniseal Solutions/ Saint-Gobain</i> Perfluoroelastomer for high-pressure sealing gases and rapid gas decompression <i>William Braule, DuPont Kalrez</i> High-temperature - low emission - control valve sealing <i>Hans Dekker, AW Chesterton</i> Basic characteristics of gland packings and gaskets for hydrogen applications <i>Yuta Sato, Nippon Pillar Packing</i>
11.00 - 11.30	COFFEE BREAK	
11.30 - 13.00	STANDARDISATION <i>Moderator: Marc Simoëns, Dow Benelux</i> ISO 23632 / Design Validation Testing <i>Luc Vernhes, Velan/ Colin Zegers, ITIS</i> API 6D 25th Ed. Specification for Valves: main changes <i>Roberto Lodovichi, 2R Consulting</i> API 623 2nd edition – significant changes <i>Ron Merrick, Fluor</i> Fugitive emission tightness compliance: comparing various standards <i>Sugumar S, L&T Valves</i>	NEW TECHNOLOGIES <i>tba</i> Smart Valve – Valve Remote Monitoring System <i>Sugumar S, L&T Valves</i>
13:00	Conference ending: Ayo Kilani, NLNG	

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Sponsors at Valve World 2022

Emerson



Emerson will attend Valve World Expo Dusseldorf to support the valve community and the entire European supply chain impacted by technology digitalization and the diversification and decarbonization of the industry. "The groundbreaking trends in industrial digital transformation require advanced engineering, organization agility and greater collaboration to stimulate business innovation among the valve industry stakeholders. After nearly two years of exceptional distancing to stay safe, the opportunity to be in Dusseldorf is a welcome reunion," said Aurélien Tissot, Director Europe Marketing, with Emerson's valve business. Emerson stand #1C52 at Valve World Expo will feature the latest innovations in valves, actuators and regulators. Our solutions will focus on severe service applications such as LNG, how to reduce fugitive emissions and how to decarbonize energy sources and fuels such as wind, hydrogen and biomethane.

KITZ



KITZ introduces their industry solutions to support our future society's Sustainable Development Goals (SDG) at Valve World 2022. Visit our exhibition stand to learn how we have met the challenges of supporting H2 stations and LNG processes, which are keywords for the future of clean energy infrastructure. We will also introduce our activities contributing to semiconductors and functional chemistry, which are industries that support the future, and inform visitors about a service that prevents valve problems by using predictive detection of valve malfunction. We are looking forward to meeting and talking with you during the Valve World 2022 exhibition at stand number 3E63, and during our various presentations.

MRC Global



At its core, MRC Global is a supply-chain solutions company. They connect the world's best PVF manufacturers with the world's best gas utility, energy and industrial companies. Headquartered in Houston, Texas, the company is the largest global distributor of pipe, valve and fittings (PVF) and related products and services to the energy and industrial industries, based on sales. MRC Global supplies these products and services, along with technical expertise, across each of the gas utility, downstream, industrial and energy transition, upstream production, and midstream pipeline sectors.

Neway



Neway is an international industrial valve manufacturer, committed to R&D, production and sale of industrial valves. Our products includes Gate, Globe, Check, Ball, Butterfly, Nuclear, Control, Subsea, Safety valves and Well-head equipment, which are widely applied in Oil & Gas exploration and production, Chemical, Petrochemical, LNG, Offshore, Power, Pipeline Transmission and other fields. With our own R&D center, forging and casting plants and production & assembling bases, Neway takes responsibility for manage our business in all process, which ensure our stable supply chain, strict quality control, competitive price and delivery time, etc. Approximately 3,500 employees in 9 countries strive to provide high quality products and excellent service to all customers worldwide.

Rotork



Rotork is a market-leading global provider of mission-critical flow control and instrumentation solutions for oil and gas, water and wastewater, power, chemical, process and industrial applications. We design and manufacture actuators; these vital pieces of equipment provide automation of valves in key industries around the world. Correctly specified flow control equipment can provide a safe working environment, reduce plant maintenance, increase process efficiency, reduce emissions and increase profitability. Our product range includes electric, pneumatic and hydraulic actuators, gearboxes, instruments and valve accessories. We are a global company with local support, providing assured reliability for critical applications and environments. We are dedicated to "Enabling a Sustainable Future" and are well positioned to enable a low-carbon economy and to participate in the global energy transition.

Velan



They say the best inventions start with a sudden flash of illumination. That's exactly what happened when A.K. Velan first came up with the idea for a new steam trap a few months after he arrived in Canada in 1949 from Soviet-dominated Czechoslovakia. More than six decades later, that same innovative and entrepreneurial spirit continues to flourish in a company that has a proven portfolio of top-quality valves installed in industrial applications worldwide.

Conference Registration

Register for the Valve World Expo and Conference 2022 and be a part of the world's premier global valve event and network with the leading minds driving ahead innovation and excellence in the fields of valve manufacture, use and maintenance!

Valve World Conference & Expo is a dynamic and interactive event with a strong focus on personal interaction. The high-quality conference has an emphasis on practical, applicable knowledge sharing but also focuses on topics that will shape the industry of tomorrow!

Not only will you gain knowledge and improve your skills, you'll also expand your professional network for years to come. Join the discussions, share your knowledge and explore the endless possibilities for business networking!

You can register for the entire event (full 3-day access) or choose specific days you want to attend (day ticket).



Conference Registration full 3-day access

**Conference Registration includes:
Full 3 Day Conference Ticket**

- 3 Days participation in all conference session and workshops
- Conference Presentations Online (password protected)
- 3 Days unlimited access all areas of the Valve World Expo



Conference Registration single day access

**Conference Registration includes:
Single Day Conference Ticket**

- 1 Day participation in all conference sessions and workshops
- All Conference Presentations Online (codeword accessed)
- 1 Day unlimited access all areas of the Valve World Expo



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