

DAY ONE: Wednesday, September 27th, 2023

11:30 AM	Keynote 1	<i>Valve Selection: Design, safety, and reliability of valves – Euthymios Euthymiou, Senior Consultant – The opening keynote focuses on the importance of designing and maintaining valves to ensure proper selection and performance of valves in various industrial applications.</i>
12:00 PM	Keynote 2	<i>New Technologies – Naomi Jabbari, S&B Engineers and Constructors</i>

12:30 PM - 1:30 PM *Lunch*

Procurement Supplier Qualification Panel/Roundtable

The panel on valve procurement and supplier qualification discusses the challenges and best practices for selecting and qualifying valve suppliers to ensure quality, reliability, and cost-effectiveness in the procurement process. During the panel, industry experts will share their insights on the following topics:

- Procurement strategies and understanding the procurement process
- Supplier qualification and best practices for qualifying valve suppliers, including assessments.
- Quality assurance for valve suppliers to meet industry standards and regulations.

The panel discussion will also address the latest trends and innovations in valve procurement and supplier qualification, such as the use of digital technologies and analytics for supply chain optimization and risk management.

Moderator: Chance Russo, **Sesto Valves**

Panelists:

Fermin Sandoval, **Dow Chemical**
Jose Avalos, **Neway**
Euthymios Euthymiou, **Senior Consultant**
Joao Carlos Vitorino, **FBV**
Naomi Jabbari, **S&B Engineers and Constructors**
Gobind Khiani, **Enbridge**

1:30 PM - 2:30 PM

2:30 PM - 3:00 PM *Break*

	Hydrogen Valves	Fugitive Emissions Packing	Valve Design and Operation
3:00 PM - 4:00 PM	<p>The workshop on hydrogen valves will focus on the unique considerations involved in designing, manufacturing, and maintaining valves for use in hydrogen applications.</p> <p>Delegates will learn about the properties of hydrogen, and how this implicates valve design and operation. Topics will include valve selection for use in hydrogen applications, properties of hydrogen, challenges such as embrittlement and leak tightness, material selection, and more.</p> <p><i>Speakers:</i> Ed Edgar, SLB Jose Avalos, Neway</p>	<p>The workshop on fugitive emission valve packing focuses on the importance of proper valve packing to prevent leaks, and minimize fugitive emissions of harmful gases or chemicals.</p> <p>Understanding the risks and environmental impact of fugitive emissions, and the regulations and standards in place to control and monitor them, will be covered along with identifying different types of valve packing.</p> <p>Packing installation will also be covered including techniques for valve packing, selection of appropriate packing materials and size, and application of lubrication.</p> <p><i>Speakers:</i> Daniel Angulo, Teadit Rodrigo Garza, Bray</p>	<p>This workshop will take a deep dive into valve design principles, including valve types, materials, and construction, and the importance of selecting the appropriate valve for a given application.</p> <p>It will also cover valve testing and certification, valve maintenance and repair, valve automation, and more.</p> <p><i>Speakers:</i> Euthymios Euthymiou, Senior Consultant Jose Luis Trejo Rosales, Vacoisa</p>

	Standards Development	API 624/641/622	Valve Safety
4:00 PM - 5:00 PM	<p>The workshop on API 6D valves, SS, and standards development focuses on the American Petroleum Institute's (API) standard for pipeline valves and their components.</p> <p>The workshop will cover understanding the scope and requirements of the API 6D standard for pipeline valves, identifying the advantages and limitations of using stainless steel in valve construction, and participating in the development of industry standards and guidelines for valve design.</p> <p><i>Speakers:</i> Ed Edgar, SLB Rodrigo Garza, Bray</p>	<p>The workshop on API 622, API 624, and API 641 focuses on the American Petroleum Institute's (API) standards for reducing fugitive emissions from valve stem packing and valve leakage. The workshop will cover test procedures, acceptance criteria, and more.</p> <p>API 624: Understanding the requirements of the API 624 standard for Type Testing of Rising Stem Valves Equipped with Graphite Packing for Fugitive Emissions.</p> <p>API 641: Understanding the requirements of the API 641 standard for Type Testing of Quarter-turn Valve for Fugitive Emissions.</p> <p><i>Speakers:</i> Jose Avalos, Neway Daniel Angulo, Teadit</p>	<p>The workshop on industrial valve safety focuses on the importance of safety in the selection, installation, operation, and maintenance of industrial valves. During the workshop, participants will learn about safety requirements for various applications, risk assessment, valve selection, and installation and operation.</p> <p>It will also cover implementing best practices for valve maintenance and repair, emergency response, and more.</p> <p><i>Speakers:</i> Joao Carlos Vitorino, FBV Luis Hernandez, ICASA</p>

DAY TWO: Thursday, September 28th, 2023

11:30 AM	Keynote 3	<i>Procurement Trends and Challenges</i> – Gobind Khiani, Enbridge
12:00 PM	Keynote 4	<i>The True Cost of a Valve</i> – Chance Russo, Sesto Valves and Bronson Pate, Teadit/MagDrive

12:30 PM - 1:30 PM *Lunch*

Panel: Hydrogen

1:30 PM - 2:30 PM

This panel will go over many topics related to hydrogen valves. Topics discussed will cover a wide range of areas. Material selection will talk about which materials are compatible with hydrogen, and potential risks of incorrect materials. Design considerations will expand on the key factors influencing valve design. Testing and certification in hydrogen applications will also be discussed, as well as safety considerations, maintenance, and repair. Through examining case studies and several examples, hydrogen will be explained in detail pertaining to valves, along with key future trends and emerging technology.

Moderator: Naomi Jabbari, **S&B Constructors and Engineers**

Speakers:

Tim Goedeker, **Consultant**
Ed Edgar, **SLB**
Gobind Khiani, **Enbridge**

2:30 PM - 3:00 PM *Break*

3:00 PM - 4:00 PM	<p>Valve Automation Standards Update</p> <p>Best practices for automating valves in industrial processes and the various standards that govern valve automation will be discussed in detail during this session.</p> <p>Understanding the different types of valve automation technology, including pneumatic, hydraulic, and electric actuators, and the factors that influence the selection of the appropriate technology for a specific application will be explored. Design, standards, implementation, and maintenance will also be expanded upon.</p> <p><i>Speaker:</i> Alex Koifman, F.I.R.S.T GmbH</p>	<p>Valve Lifecycle</p> <p>The workshop on valve lifecycle will cover the various stages in the life of a valve, from design and manufacturing to installation, operation, maintenance, and decommissioning.</p> <p>Topics discussed are valve design and manufacturing, selection and installation, operation and maintenance, repair and refurbishment, decommissioning and disposal, and the overall management of valve lifecycle.</p> <p><i>Speaker:</i> Jose Avalos, Neway Tim Goedeker, Consultant</p>	<p>Total Cost of Ownership</p> <p>The workshop on valve total cost of ownership (TCO) focuses on the concept of TCO as a comprehensive approach to evaluating the costs associated with owning and operating industrial valves throughout their lifecycle.</p> <p>Through TCO analysis, valve optimization, value engineering, and case studies, delegates will gain a comprehensive understanding of valve TCO.</p> <p><i>Speaker:</i> Euthymios Euthimiou, Senior Consultant</p>
	<p>New Technologies</p> <p>This session will focus on the latest advances in valve design, materials, and technologies that are changing the way valves are used in industrial processes.</p> <p>Attendees will leave with an improved understanding of the latest design trends in valve technology, new materials for valve construction, smart valve technology, 3D printing, and the latest testing and certifications requirements.</p> <p><i>Speaker:</i> Bronson Pate, Teadit/MagDrive</p>	<p>Maintenance and Replacement</p> <p>This aims to focus on the best practices for maintaining and replacing valves in industrial processes. The workshop would provide participants with factors that influence valve maintenance and replacement, including the importance of proper maintenance, the need for timely replacements, and the factors that can lead to valve failure.</p> <p>Other topics will be valve inspection, valve repair, refurbishment, and performance monitoring.</p>	<p>Control Valves – Recommended Practices</p> <p>During the workshop, participants will learn about control valve basics, control valve selection, sizing and trim selection, installation, operation and maintenance, and troubleshooting.</p> <p><i>Speaker:</i> Rodrigo Garza, Bray</p>