



PROMOBERG



REPORT 2024

May
14TH

—
May
16TH

—
2024

International exhibition
and conference on
valve and flow control
technologies

**FIFTH
EDITION
REPORT
2024**

—
Bergamo,
Italy

 CONFININDUSTRIA
Bergamo

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IVS 2024 ends with record numbers

The fifth edition of the Industrial Valve Summit closed with a new record number of visitors, exhibitors, and number of scientific conferences. The next appointment of the Summit has been scheduled from May 19th to 21st 2026, for the sixth edition of the fair in Bergamo.

Industrial Valve Summit closes with

15.000

Visitors

69

Countries

Bergamo, 27th May 2024 - The fifth edition of IVS Industrial Valve Summit, the most important international event dedicated to industrial valve technologies and flow control solutions, **organized by Confindustria Bergamo and PromoBerg**, which took place at the Bergamo Exhibition Centre from 14th to 16th May, wrapped up with record numbers.

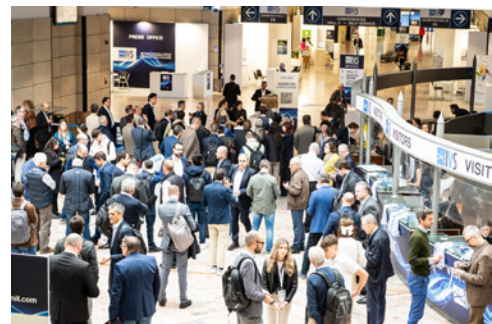
The 2024 edition closed with a final influx of 15,000 visitors from 69 countries. Attendance, representing all five continents, was 25% higher than during the Summit's fourth edition, when the city of Bergamo attracted 12,000 guests. The protagonists of IVS 2024 were the 325 exhibitors (+13% compared to the 2022 edition) from 14 countries: besides Italy, the companies represented the sectors of **Germany, Great Britain, the United States of America, France, Denmark, Spain, the Netherlands, Norway, the United Arab Emirates, South Africa, Turkey, Niger, and the Czech Republic**. The international presence at the event doubled compared to the previous edition, with foreign companies now making up 20% of all exhibitors. Record-breaking is also the surface area of the

Summit, which has expanded to a total of 15 thousand square metres, in three pavilions. These numbers tell how IVS has established itself as an essential showcase for the entire global supply chain connected to industrial valves and flow control.

IVS 2024 offered **52 events including conferences, roundtables, workshops, case studies and laboratories**, constituting a plan more than 50% larger than the 34 in-depth technical events of IVS 2022, which led the Industrial Valve Summit to grow from a two-day exhibition to a full-fledged valve week. The Summit delved into the applications of the latest innovations and sustainability-oriented topics, such as Carbon Capture Utilisation and Storage (CCUS) and hydrogen.

During the valve week in Bergamo, various studies and analyses were presented and the state of the art of the sector was illustrated on a national and international level. In particular, the new IVS-Prometeia Report "The Oil&Gas Valve Industry in Italy" provided a snapshot of the current state of the Italian sector of reference, a sector of excellence of Made in Italy and a leader in Europe, with almost 40% of oil & gas valves produced in the region coming from Italy. Investments in the energy sector, upstream, downstream and transportation services are also growing. A positive trend that, along with the development of 'green' investments, offers positive effects that may also be evident beyond 2023.

Thanks to the synergy with AVR ANIMA, ICE, Confindustria Assafrica & Mediterraneo and SACE, international delegations were accompanied to the fair and had the opportunity to interface with the operators of the Oil&Gas supply chain at the exhibition.



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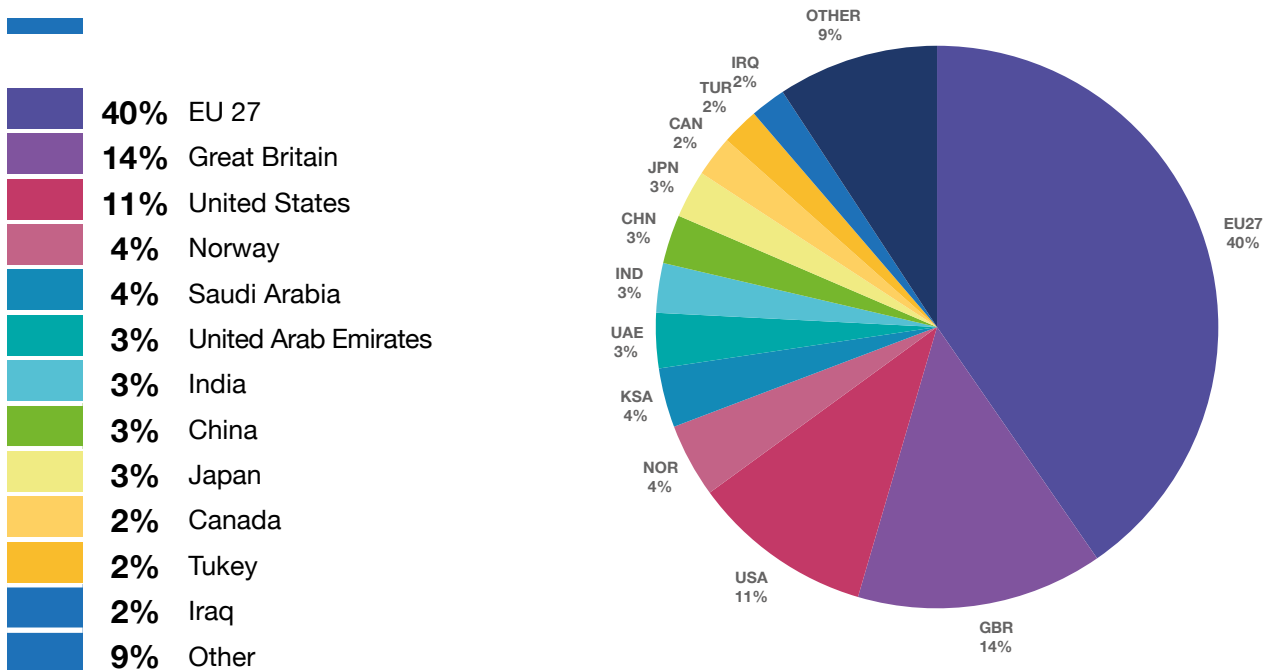
Field of activity of visitors

Visitors belonging to almost 40 professional sectors, of which the most important are:

- * End users (Oil & Gas and Petro Chemical Industry)
- * EPC
- * EPC companies
- * Trading of Valves
- * Engineering
- * Manufacturers of valves
- * Manufacturers of actuators
- * Manufacturers of sealings
- * Manufacturers of forgings
- * Manufacturers of castings
- * Other manufacturers (equipment, instruments, automation)



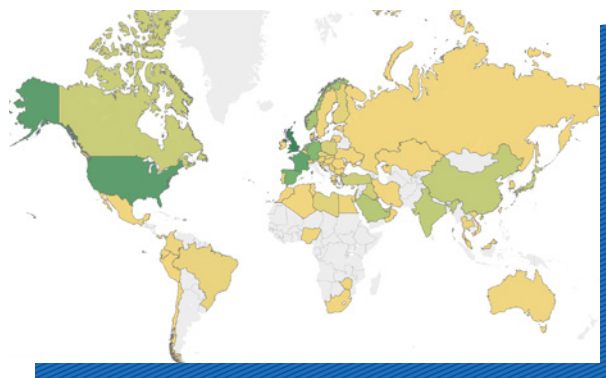
Foreign Visitor's main Countries of origin



Visitors' Countries of origin Products & Services

69

Countries



Foreign business delegations

IVS 2024 Organizers invested in increasing the number of international operators and experts from the leading O&G companies.

Collaborations with **AVR ANIMA, ICE, Confindustria Assafrica & Mediterraneo, SACE and UNIDO ITPO Italy** have brought international delegations to the fair.

3

Exhibitors

325

Regional and
International Exhibitors

15.000

Square meters
Exhibition Space

100+

Qualified
end-user Buyers

3

Halls

Exhibitors profile Products & Services

325

Exhibitors
representing the
following sectors:

- Valves
- Gaskets, sealing systems
- Actuators
- Mechanical processing and welding
- Pipes/piping/tubing/fittings
- Test benches
- Flowmeters/process transmitters
- Instrumentation equipment
- Controllers/switches/positioners
- Software
- Leak detectors
- Casting / forgings
- Mechanical works
- Coatings & linings
- Equipment and maintenance services
- Lubricants, packings
- Products and services: special packaging
- Inspection and expediting services
- Education and training services

4

Press coverage

13

Press releases

90

Participating journalists

50

publishing companies
(+ 28%)

(compared to 2022)

80

magazines
(+ 45%)

(compared to 2022)

460

Articles published
(Press, Web, TV/
Radio) +96,6%

(compared to 2022)

15.000.041

Potential Reached
Contacts +24,8%

(compared to 2022)

1.001.018

Advertising Value
Equivalency +56,2%

(compared to 2022)

Local media coverage (Partnership with BergamoNews)

* 20 Articles Published

* 1.888 Page Views

* 68.738 People Reached (Facebook)

* 875.552 Impressions

* 92.655 Social Total Coverage

Social Network Visibility

158

Post

+21,6%

Linkedin

+5,6%

Facebook

+38,5%

Instagram

+33,8%

Youtube

+1%

Twitter

9.152

Total Reached
Followers
(+28,5%)

(compared to 2022)

DEM progress (direct email marketing)

User database

From 23.518

+15%

to **29.351**



Total of 35 newsletter sent

OPEN RATE

28%

CLICK RATE

29%

**BEST
newsletter**

"RELIVE IVS 2024"

33,8%

OPEN RATE

37,2%

CLICK RATE

Site trend

prominent event
among the young
community

40%

of the total audience of users
browsing the portal between 18-34
(data tracked thanks to advanced GA4)

browsing
interaction

227.259

clicks on buttons, insights,
downloads, photo/video views,
contacts, registration requests...
etc
(data tracked thanks to advanced GA4)

downloads of
IVS 2024
programme

>1.600

data tracked thanks to advanced GA4

Conference Themes

3 DAYS

8 THEMES

52 CONFERENCES AND WORKSHOPS

THEME: ADDITIVE MANUFACTURING

The additive manufacturing (AM) applied to the industrial valves is significantly impacting certain paradigms. This theme will require an update on the most recent case studies and the progress of the technical standards related to this emerging technology.

THEME: DIGITAL TECHNOLOGIES APPLIED TO VALVES, ACTUATION AND CONTROL

The impact of digitalization in plant design and management, particularly in the O&G sector, is improving the implementation of “smart” technologies, amplified by the intense and increasing use of reliable field devices and safe communication networks, in support of predictive maintenance and process optimization. Valve actuation and control technologies are the main drivers and Authors are invited to bring their contributions and expectations.

THEME: SEALING AND FUGITIVE EMISSIONS

The minimization of the fugitive emissions from equipment leak is more and more an important task. Papers will cover the monitoring technologies, stem packing designs and other advances in optimizing valve sealing performance, with reference to applicable national and international standards for tests and inspections.

THEME: VALVE DESIGN AND MATERIALS FOR SEVERE SERVICES

This theme covers new perspectives and developments in on-off / control valves’ and safety devices’ design, materials, castings and forgings, manufacturing processes, coatings and corrosion protection technologies.

THEME: STANDARDIZATION / STANDARDS DEVELOPMENT

Comparison between existing international standards and current developments of commonly adopted specifications (e.g. IOGP-JIP33), strongly required by End Users and EPCs, will also find a proper space for open discussions and presentations.

THEME: SUPPLY CHAIN MANAGEMENT

Large-scale projects, with complex international supply chains, rely on vendors and suppliers all over the world, with proper common and widely used Standards, Supply Specifications and Documents’ review cycle, fully endorsed and accepted by End Users and EPCs.

THEME: AI APPLIED TO MECHANICAL DESIGN, PROCUREMENT AND MANUFACTURING

Artificial Intelligence (AI) has found numerous applications in the fields of mechanical design, procurement, and manufacturing, revolutionizing traditional processes and enabling more efficient and intelligent systems. The authors presented the state of the art and case studies applicable to the valve industry.

THEME: ENERGY TRANSITION, CARBON CAPTURE UTILISATION & STORAGE

The energy transition refers to the global shift from fossil fuel-based energy systems to cleaner and more sustainable alternatives. This transition is driven by the need to address climate change, reduce greenhouse gas emissions, and promote a more secure and affordable energy future. This theme will promote an update of the state of the art of the main technologies in this field like those related to the production of Hydrogen and the CCUS units.



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Scientific committee

Chairman:



Francesco Apuzzo
CARRARA - Chairman

Members:



Bader Al-Jarallah
Aramco



Carlo Mapelli
POLIMI
Assoc. Ital. Metallurgia



Jannicke Schei Stornes
Equinor



Saad Alshiha
Engineering
Consultant



Ron Merrick
Fluor Enterprises
(formerly with)



Manfred Schaaf
Amtec



Rob Bartlett
British Valve & Actuator
Association



Roland Mittelhammer
SGL Carbon



Syed Nisar
Aramco



Ray Bojarczuk
Engineering
Consultant



Umberto Navarra
Technip Energies



Valeria Tirelli
Aidro



Trine Boyer
Vår Energi ASA



Masayuki Ono
JGC



Thijs van Munster
MRC Global



Carlo De Bernardi
ConocoPhillips



Ugo Ormezzano
SPE Italian Section



Ralf Vogel
European Sealing
Association



Claire Dwyer
Fluor Enterprises



Gil Perez
Valve Consultant



Wojciech Zmudzinski
BP America Inc.



Angeline Goh
Shell



Christian Reynes
TOTAL E&P



Brian A. Lade
Syncrude Canada Ltd
(formerly with)



Emmanuel Sauger
CETIM



Conference programme

Roundtables

- Welcome greetings and presentation of the conference program
- Corporate Sustainability Reporting Directive (CSRD), Decarbonization and Energy Transition: Developments and Outlook.
- The Intelligent Horizon: An Outlook on New Possibilities in Business Management Introduced by AI
- A perspective on additive manufacturing, digital inventory in the energy transition and a sustainable future
- Focus on Africa and Middle East: Business opportunities for the industrial valves supply chain
- State of the art of the Hydrogen challenge: production technologies, storage and transport, CCUS, materials, technical standards for valves and piping. Session 1.
- State of the art of the Hydrogen challenge: production technologies, storage and transport, CCUS, materials, technical standards for valves and piping. Session 2 Unlocking business opportunities in KSA: key corporate, tax and customs aspects in the Oil & Gas industry

IVS Academy contents

- JIP 33 Standardizing Procurement Specifications, brief illustration of the project and update on its progress status
- Market trends: challenges and opportunities for the Companies of the Valve Supply Chain
- Unlocking business opportunities in KSA: key corporate, tax and customs aspects in the Oil & Gas industry
- Upskill and reskill for the future of work – Enhance your skills about the valve soft sealings: “Elastomeric and thermoplastic seals in valve industry”
- Market trends: challenges and opportunities for the Companies of the Valve Supply Chain
- The role of SPE - Italian Branch - in facilitating dialogue between academy and industry to mitigate the skill mismatch
- Upskill and reskill for the future of work – Enhance your skills about the valve soft sealings: LNG, Hydrogen and CCUS: a data-driven approach to testing and selecting sealing elements for valves.
- Mechanical behaviour of polymeric seals at LH2 conditions
- Unlocking business opportunities in UAE: key corporate, tax and customs aspects in the Oil & Gas industry

THEME: Additive manufacturing

- A new OEM-centric, additive manufacturing-enabled on-demand spare parts inventory model and its validation with a digital clamp connector product range
- Gate Valve Size 1½, Class 150, Material ASTM-F3184-S31603, Produced by AM & Certified According to European Pressure Equipment Directive (PED 2014/68/EU)
- Retrofitting of a Valve using Additive Manufacturing for Improved Sustainability
- Corrosion performances and qualification challenges of alloy 625 produced by different additive manufacturing technologies

THEME: Digital technologies applied to valves, actuation and control

- Estimation of Proof Test Coverage for Emergency Shut Down Valves
- Smart Valve: a concept that enables a new level of valve reliability
- Pilot of Electrical Failsafe Actuator on HIPS Surface Safety Valve at UTMN-2104
- Case study about PROCONTROL's 3D Hydraulic High Pressure compact control manifold for actuators used in the Offshore O&G industry made by SLM technology maximizing stiffness, reducing weight and optimizing productivity
- Selecting wireless communication strategy for valve diagnostics
- Numerical investigation on the performance of safety relief valves operating with flows at different compressibility

THEME: **Sealing and fugitive emissions**

- Is SMART LDAR correctly applied today in Europe? Take a look at the differences between CWP and AWP LDAR following the EN 17628, EN 15446:2008 and Netherlands Technical Agreement NTA 8399.
- Myths of leakage detection
- Presentation of an instrumentation device for a valve monitoring
- 2024 Updates for all API Fugitive Emission Test Standards
- Reduction of Fugitive Emissions –TA Luft and ISO 15848-1
- Assessing behaviour of thermoplastic and metal materials for critical valve sealing applications in the 2050 Net-Zero context
- Co-design of valves and seals for extreme applications: a success case
- Fugitive emissions of a valve with gaseous Hydrogen
- Global Fugitive Emissions Reductions with a Total Cost of Ownership (TCO) View
- Low E Valves – 20 Years in the Making
- PFAS and Their Importance to the Fluid Sealing Industry
- Stem Friction and Packing Stress influence on the Sealing Behavior of Fugitive Emission Control Valves

THEME: **Valve design and materials for severe services**

- Combined multistage trims for managing of very severe cavitation applications
- Finite element analysis on valve for hydrogen application
- Enhanced PAEK polymers for LNG & LH2 services
- Magnetic Applications for Severe Services
- Integrity assessment of Pipeline Buried Valves
- What exactly is a “severe service valve”?
- Valves for Hydrogen Fluoride (HF) Alkylation Service
- Valve design challenges in renewable HVO severe service
- Valve Preservation Challenges

THEME: **Standardization / standards development**

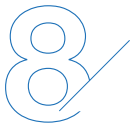
- PrEN 17955: More clarity in the assessment of valves and actuators for functional safety
- Actuators are not commodities: API 6DX 2nd edition, Standard for Actuators and Mounting Kits for Valves, main changes and impacts for manufacturers, engineering contractors, and operators.
- API 623 2nd edition, highlights of change and how we got here
- Presenting S3EEM: a flexible and user-friendly tool to assess GHG emissions in the Oil&Gas industry
- Development and Requirements of API Specification for Valves for Hydrogen Gas Service

THEME: **AI applied to mechanical design, procurement and manufacturing**

- Application of AI technologies and GNN surrogate models on manufacturing processes
- Leveraging Artificial Intelligence for Cost Reduction in Valve Manufacturing and Distribution: A Focus on Bill of Materials (BoM) Procurement and Response.

THEME: **Energy transition, carbon capture utilisation & storage**

- Valves for CCUS applications: an overview of challenges and solutions for on-off and control valves in CO2 service



IVS events

Gala dinner



Golf tournament

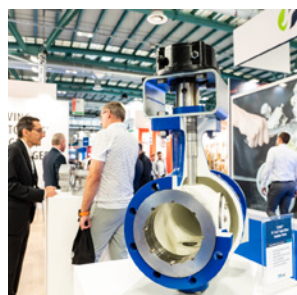
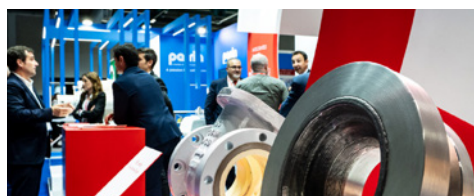
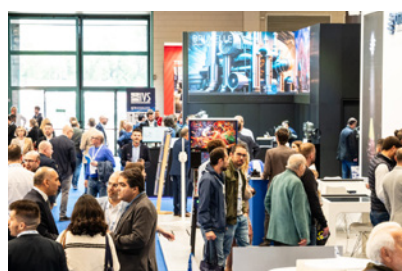
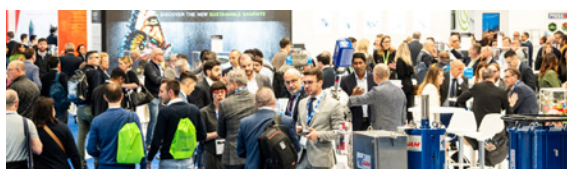
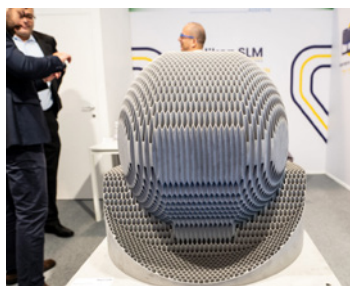


Tenaris Welcome Coffee





IVS exhibition





6TH INTERNATIONAL EXHIBITION
AND CONFERENCE ON VALVE
AND FLOW CONTROL TECHNOLOGIES

**See you
in Bergamo
May 2026
19TH | 21ST**

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