



ORGANIZERS



CONFINDUSTRIA BERGAMO

**PROMOBERG**

# REPORT 2022

4<sup>TH</sup> INTERNATIONAL EXHIBITION AND CONFERENCE  
ON VALVE AND FLOW CONTROL TECHNOLOGIES



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# 1

## IVS 2022 WRAPS UP WITH RECORD NUMBERS: 12 THOUSAND VISITORS FROM OVER 60 COUNTRIES



The fourth edition of Industrial Valve Summit recorded the highest number of visitors, exhibitors, exhibition space and number of scientific conferences. The next appointment is scheduled for 15th and 16th May 2024, once again in Bergamo, for the fifth edition of the fair.

Industrial Valve Summit  
closes with

# 12.000

Visitors

# +60

countries

**Bergamo, 31st May 2022** - The fourth 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 24th to 26th May, wrapped up with record numbers.

Despite the travel restrictions that are still in effect in some areas of the world and the delicate evolutions that the global scenarios have undergone in recent years, the fourth edition of the Summit ended with a final attendance of 12,000 visitors, from over 60 countries representing all five continents, marking an even higher attendance than the third Summit. IVS welcomed almost 300 exhibitors (+17% compared to the last edition) representing 12 countries: in addition to Italy, these were **Germany, Great Britain, the United States of America, France, South Korea, Spain, the Netherlands, Belgium, South Africa, Turkey and the Czech Republic**. Record-breaking is also the surface area of the Summit, which has expanded to a total of 15 thousand square metres in 2022, thanks to the creation of a third pavilion. These numbers tell how IVS has become an essen-

tial appointment for the entire global supply chain connected to industrial valves and flow control.

The conference part of the event consisted of five sessions of technical lectures, as many workshops, a discussion panel, and the round table, the very first of its kind, which examined the role of hydrogen in the industry in the light of the new scenarios connected to decarbonisation. **Around 50 experts from across the globe took the floor**. The Summit delved into the applications of the latest innovations and sustainability-oriented topics, such as Carbon Capture and Storage (CSS) technologies, the panorama of biofuels, biorefineries and bioenergy.

During the three-day event 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, thanks to the new Prometeia-IVS Observatory "The Oil&Gas valve industry in Italy", realised with the contribution of the Confindustria Bergamo research office,



which photographed the state of health of the sector in Italy in the light of the delicate global scenarios that are taking place. The two ICE sector studies on the Brazilian and United Arab Emirates markets were also presented during the IVS.

Thanks to the synergy with AVR ANIMA, ICE and UNIDO ITPO Italy, delegations from over 20 countries were accompanied to the Fair and had the opportunity to interface with the operators of the Oil&Gas supply chain at the exhibition, giving them the opportunity to engage in discussions and matchmaking activities. IVS was also attended by over 100 decision-makers, technicians and managers from end users and Engineering, Procurement and Construction companies. In detail, dedicated areas were provided for B2B meetings.

«The 2022 edition of Industrial Valve Summit - says **Stefano Scaglia, President of Confindustria Bergamo** - has further confirmed the importance of an event stemming from the virtuous collaboration between companies in the area and strongly supported by the Association. IVS has consolidated a great deal in recent years, despite the stop due to the pandemic, highlighting all the potential of an attentive approach to the supply chain, thanks to which a district of excellence can be valorised at an international level».

«We are very pleased with this result, which was anything but taken for granted, given the turmoil that has characterised the last few years - commented **Fabio Sannino, Presidente of Promoberg** -. The response from operators, buyers, and foreign delegations was excellent, and they had the opportunity to develop trade relations and business opportunities under the best conditions. The thousands of people involved by IVS were able to get to know under the best conditions. The thousands of people involved by IVS were able to get to know Bergamo also from a tourist point of view, with very positive spin-offs for the hospitality industry and for the promotion of our territory at an international level».

«The large participation in the IVS technical-scientific programme is the indicator that certifies the quality of the content proposed,» commented **Francesco Apuzzo, President of Valve Campus** -. We are satisfied because the productive world that convened at the Summit nurtured the set of practices and skills shared between the players in the supply chain, contributing to enhancing the visibility and reputation of the event. An element that elevates the importance of the numbers that have been reached».

## EXHIBITORS

# 300+

Regional and  
International Exhibitors

# 15.000

Square meters  
Exhibition Space



# From 12+

Countries representing the  
Global Oil & Gas Sector

# 3

Halls

## EXHIBITORS PROFILE PRODUCTS & SERVICES

### EXHIBITORS PROFILE

••••• **300+** Exhibitors representing the following sectors:

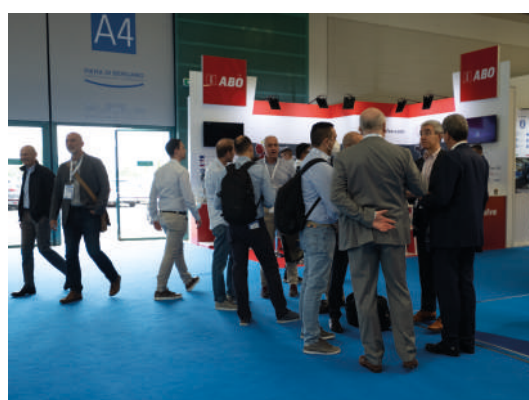
**Valves**  
**Actuators**  
**Piping/Fittings**  
**Gaskets/Sealings Systems**  
**Packaging**  
**Test benches**  
**Flowmeters/Process Transmitters**  
**Instrumentation Equipment**  
**Controllers/Switches/Positioners**

**Software**  
**Leak Detectors**  
**Casting / Forgings**  
**Mechanical Works**  
**Coatings & Linings**  
**Maintenance Equipment/Service**  
**Lubricants**  
**Inspection/Expediting Services**  
**Education and Training Services**

## 3 VISITORS

**12.000** visitors

From **+60** countries



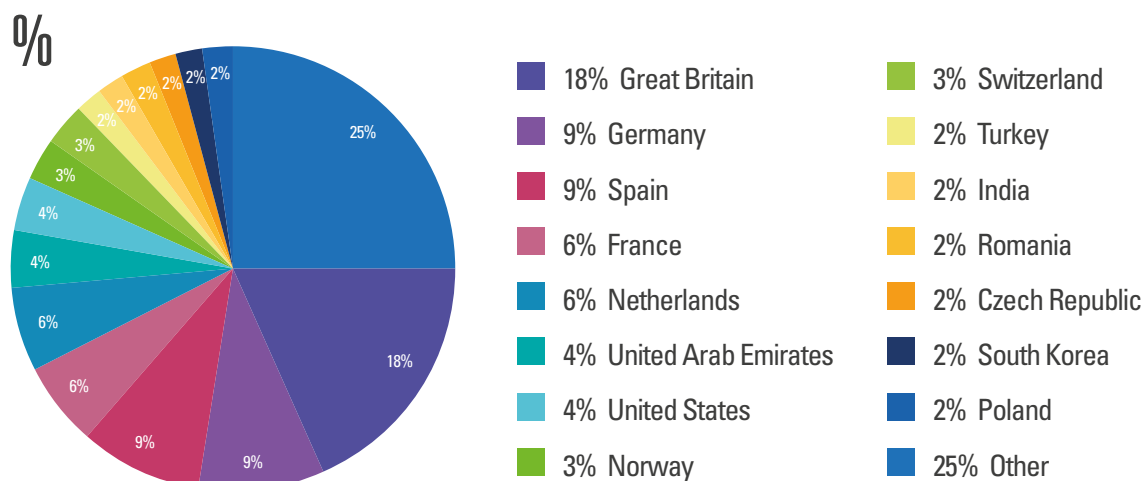
## FIELD OF ACTIVITY OF VISITORS

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

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



## GEOGRAPHICAL DISTRIBUTION OF FOREIGN VISITORS



## TOP 20 VISITORS' COUNTRIES OF ORIGIN

// BELGIUM	// GREAT BRITAIN	// NORWAY	// SPAIN
// CROATIA	// INDIA	// POLAND	// SWITZERLAND
// CZECH REPUBLIC	// IRAN	// ROMANIA	// TURKEY
// FRANCE	// IRAQ	// SAUDI ARABIA	// UNITED ARAB EMIRATES
// GERMANY	// NETHERLANDS	// SOUTH KOREA	// UNITED STATES

## FOREIGN BUSINESS DELEGATIONS

IVS 2022 Organizers invested in increasing the number of international operators and experts from the leading O&G companies. Collaborations with ICE Italian Trade Agency, ANIMA Association of Italian Valve Producers, MAECI Italian Ministry of Foreign Affairs and International Co-operation, UNIDO ITPO Italy and Businessmed have brought delegations from over 20 Countries.



# CONFERENCE THEMES

3 DAYS

5 THEMES

14 CONFERENCES AND WORKSHOPS

## // THEME 1: ADVANCES IN SAFE VALVE DESIGN, MATERIALS, MANUFACTURING, COATINGS AND FOCUS ON ADDITIVE MANUFACTURING

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

Contributions and case studies on fire testing and valve applications on hydrogen production development will also be appreciated.

A specific focus will also be included to cover case-studies and developments foreseen in the valve industry, thanks to the use of metallic parts additive manufacturing (AM) or 3D printing technologies, with relevant materials' and final products' certifications.

## // THEME 2: VALVE 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 3: FUGITIVE EMISSIONS AND VALVE SEALING TECHNOLOGIES

Valve designers and plant operators have excellent reasons to minimize fugitive emissions in their facilities, by reducing the amount of process fluid released into the atmosphere and surrounding environment. Papers should cover today's monitoring technologies, stem sealing techniques, packing designs and other advances in optimizing valve sealing performance, with reference to applicable national codes and international standards for tests and inspections.

## // THEME 4: INNOVATION, EMERGING TECHNOLOGIES, AND FUTURE SCENARIOS

Technological development is perhaps the most fundamental and influential driving force of the 21st century, even though it is often difficult to predict timing, pace, and impact. Due to the Global Warming the demand for H2 and LH2 will rapidly increase. In different parts of the world they are being built or planned many H2 and LH2 production plants also using existing technologies and the large experience of the LNG industry. An in-depth study is needed to understand the impact on the fitting components and in particular on the Industrial Valves required by the H2 plants. These new technologies will create new opportunities and businesses, as well as new ways to handle existing challenges: the entire Valve Industry and its stakeholders are ready for this stimulating task.

## // THEME 5: INTERNATIONAL STANDARDS, SUPPLY SPECIFICATIONS, LEAN DOCUMENTATION MANAGEMENT AND REMOTE INSPECTION TECHNOLOGIES

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.

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.

Lean documentation management will be one of the key elements for success.

An additional area will be dedicated to new forms of factory tests, including reliable real-time data transmission (audio, video, documents and images) with visual co-witnessed or customer remote operated assessments and inspections, which will reduce drastically wait-times, traveling costs and will maintain business continuity, thanks to the new use of Remote Video Inspections.



## 6 / CONFERENCE ADVISORY BOARD

### CHAIRMAN:



Maurizio Brancaleoni

### MEMBERS:



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ARABIA ARAMCO



Courtney Rau  
CHEVRON



Rob Bartlett  
BRITISH VALVE & ACTUATOR ASSOCIATION



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FLUOR ENTERPRISES



Trace Scrivner  
EXXONMOBIL USA



Umberto Navarra  
TECHNIP FMC



Valeria Tirelli  
AIDRO



Ugo Ormezzano  
SPE



Wojciech Zmudzinski  
BP America

# 7 / CONFERENCE PROGRAMME

## >> Roundtable “The role of hydrogen in the new decarbonization scenarios”

**Tuesday 24.05**

## >> Theme 1 – Advances in safe valve design, materials, manufacturing, coatings and focus on additive manufacturing

**Wednesday 25.05**

- a) Selection and Application of Nickel Aluminium Bronze Isolation Valves
- b) Castings Production of Sdss with high wall thicknesses
- c) A new equation for flow through surface choke valve in digital field calculations

- d) Implications of Robotic Process Automation and Machine Learning: RFQ Process in Industrial Valve Market
- e) Circular Economy in the O&G Industry for Additive Manufacturing of metal parts

## >> Theme 2 – Valve actuation and control

- a) The integrated valve information device for emergency shutdown valve

- b) The Convergence of IIoT, Data Analytics and Asset Integrity Management / Reliability in the Valve Industry

## >> Theme 3 – Fugitive emissions and valve sealing technologies

- a) A systematic approach for pre-validation of polymer spring-energised seals for critical valve applications
- b) VICTREX CT™ Polymers for more Reliable Seals in Cryogenic Conditions
- c) Emissions Elimination – Why “Reduce” Emissions when you can “Eliminate” them?

- d) Valves role on environmental protection
- e) Semi-dynamic metal sealing: base theory and examples of valve applications
- f) Comparative study between IOGP and ISO valve fugitive emissions requirements.

## >> Workshop: Polyurethane seals for the valve industries

## >> Workshop : The new regulatory framework of the Low Emission Graphite Packings for Industrial Valves

## >> Theme 4 – Innovation, emerging technologies and future scenarios

- a) Material Selection for Valves in H2 environment
- b) Developed solutions for valves in different hydrogen applications

- c) Flexible Graphite seals for Hydrogen applications

## >> Theme 5 – International standards, supply specifications, lean documentation management and remote inspection technologies

- a) Bio water-based liquid penetrants for non destructive testings of valves' quality
- b) How smart industrial companies can unlock productivity safety with augmented reality
- c) API 20 series – Upstream Supply Chain Management
- d) European and International standards for valve actuators

- e) Managing Supply Chain Quality Risks
- f) Use of the IEC-60870-5-104 protocol in the remote control and management of oil and gas plants, a real case

## >> Panel discussion – Additive manufacturing and digital inventory: dreams or reality for the energy sector

**Thursday 26.05**

## >> Workshop: Advanced meshing techniques and their application on complex valve geometry components

## >> Workshop: Case study on Valves Subcomponents

## >> Workshop: CCUS – Carbon Capture Utilisation and Storage

- a) Workshop: CCUS – Carbon Capture Utilisation and Storage: a practical guideline

- b) Tenaris Products for Energy Transition

## >> Theme 5 – International standards, supply specifications, lean documentation management and remote inspection technologies

- a) Product certification of equipment for oil & gas sector. Export to EAC countries, Saudi Arabia, China, Uzbekistan
- b) Saudi Aramco: Valves' End User Experience
- c) Product Life Cycle Management System Requirements for the Petroleum and Natural Gas Industries – API18LCM

- d) API 6D 25th edition, Specification for valves, main changes
- e) Mechanical components for functional safety applications (SIL): standardization urgently needed!

## 8 / PRESS COVERAGE

# 24

Press releases

# 60

Participating journalists

# 58

Media partners

# 215

Articles published

## MEDIA PARTNER

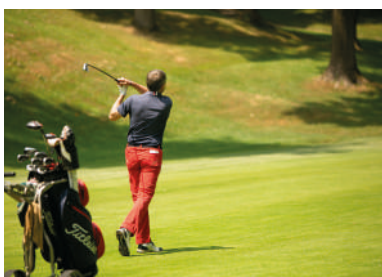


## 9 / IVS EVENTS

### GALA DINNER



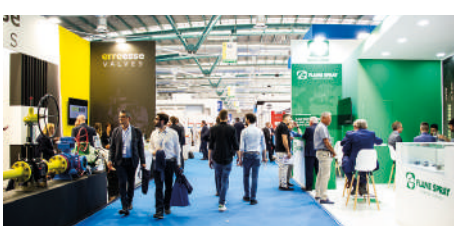
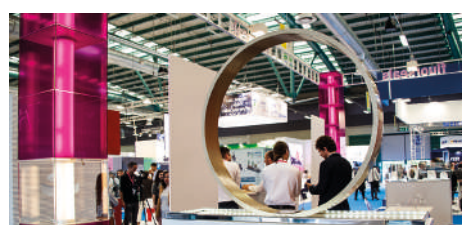
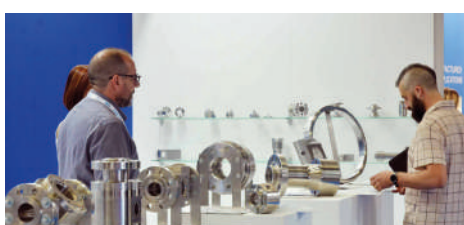
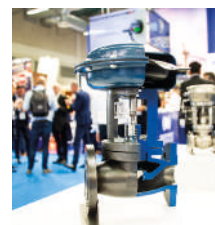
### GOLF TOURNAMENT



### SIDE EVENTS



# 10 / IVS EXHIBITION



# SEE YOU IN 2024



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**MAY 15<sup>TH</sup> > 16<sup>TH</sup>**  
**BERGAMO EXHIBITION CENTRE**

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