



4TH International exhibition
and conference on valve
and flow control technologies



**LEADING
THE GLOBAL MARKET
FLOW**

MAY 25TH > 26TH 2022
BERGAMO - ITALY

www.industrialvalvesummit.com

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LEADING THE GLOBAL MARKET FLOW

Industrial Valve Summit is the leading international event for the Oil&Gas valve technologies and flow control solutions.

A real Information Hub, where you can keep up-to-date with market trends, meet the global key-players, the manufacturing excellence and look for the latest technology innovations.



BY THE INDUSTRY, FOR THE INDUSTRY

Thanks to the combination of high-quality exhibitors and highly focused conferences **IVS offers the best opportunities to grow your business.**



REASONS FOR CHOOSING IVS 2022



Meet buyers and suppliers of the supply chain



Discover the latest industry innovations and trends in valve design, as well as engineering, construction, operation and maintenance of industrial plants



Learn and share know-how and expertise with professionals and industry specialists



Present your company, products and services to an exclusive and targeted professional audience



Strengthen your company business image by exhibiting alongside the world's leading manufacturers



Get high-performance corporate visibility thanks to the IVS promotional activities





IVS VISITORS

2 DAYS EXHIBITION, ENDLESS OPPORTUNITIES

Industrial Valve Summit is the meeting place for professionals and decision makers involved in valve technologies and flow control solutions.

The event will connect you with EPC, managers, engineers and designers responsible for specifying, recommending, purchasing, servicing or distributing valves, actuators, controls and related products.

FOREIGN TRADE DELEGATIONS, BUYERS AND B2B MEETINGS

IVS is setting up delegations of International Top Buyers and organizing B2B Meetings with operators and experts of the main Oil&Gas companies and, at the same time is creating strategic partnerships with the most important industry and governmental associations.



WHO VISITS?

IVS VISITORS PROFILE - Breakdown:

ATTENDING IVS — INDUSTRIAL VALVE SUMMIT GIVES YOU THE OPPORTUNITY TO SHARE KNOWLEDGE, EXPERIENCE AND IDEAS WITH OTHER LEADING INDUSTRY ASSOCIATION AND GOVERNMENTAL ORGANIZATIONS INVOLVED IN:

- » Software
- » Casting & Forgings
- » Maintenance Equipment Service
- » Inspection Expediting Services
- » Cement
- » Food & Beverage
- » Mining
- » Oil & Gas Distribution Transmission
- » Petroleum Refining
- » Power Generation & Co-generation
- » Water and Waste-water
- » Leak Detectors
- » Coatings & Linings
- » Lubricants
- » Education and Training Services
- » Chemical
- » Marine & Shipping
- » Nuclear Power
- » Petroleum Production
- » Pharmaceutical, Biotechnology
- » Steel
- » Pulp & Paper
- » Engineering and Construction
- » Consulting
- » Gas production



IVS 2022 EXHIBITORS

ALL SOLUTIONS IN ONE PLACE

Attending IVS gives you the opportunity to discover the latest technological innovations, find the highest quality products and meet the internationally recognized excellence of valve manufacturing.

IVS represents a unique chance to expand the knowledge on Oil&Gas industrial valves, thanks to a highly specialized conference programme.

NEWS 2022: A NEW PAVILION!

The brand new 4.000 sq.m Pavilion will give you the opportunity to meet a higher number of interesting exhibitors of the entire Oil&Gas supply chain.



**15.000
sq. m.**
**TOTAL EXHIBITION
SPACE**

About **300**
**REGIONAL
AND INTERNATIONAL
EXHIBITORS**
from
13
Countries

EXHIBITORS BUSINESS ACTIVITY

- | | |
|-----------------------------------|--------------------------------------|
| >> Valves | >> Actuators |
| >> Pipes/Piping/Tubing/Fittings | >> Packings/Gaskets |
| >> Test benches | >> Flowmeters, Process Transmitters |
| >> Instrumentation Equipment | >> Controllers, Switches, Positioner |
| >> Software | >> Leak Detectors |
| >> Casting & Forgings | >> Coatings & Linings |
| >> Maintenance Equipment Service | >> Lubricants |
| >> Inspection Expediting Services | >> Education and Training Services |

IVS 2022 CONFERENCE THEMES AND TOPICS

IVS 2022 has renewed its partnership with VALVE CAMPUS to promote the diffusion of technical knowledge among the stakeholders of industrial valves and components.

A rich program of events and conferences has been designed for the fourth edition of the event, discover the themes and topics:





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.



IVS 2022 CONFERENCE PROGRAMME

Tuesday 24.05
18:00 - 19:30

Ground
Floor

Caravaggio Room

>> Roundtable "The role of hydrogen in the new decarbonization scenarios"

Moderator: Paolo Mutti – Project Leader Hydrogen Innovation Report, Energy & Strategy - Politecnico di Milano

Omar Bedani – Manager of Commercial Operations Fired Heaters, Global hydrogen and Technology – Wood

Giacomo Lovino – Purchasing Group Leader & Category Manager – Maire Tecnimont

Michel Ronchini – Senior Manager Onshore/Offshore Piping and Valves – Technip Energies

Giovanni del Serrone – Director – Technip Energies

Paolo Carrera – New Energies Head of Commercial and Tendering – Saipem S.p.a.

Jacopo Zanetti – Business Development Manager Hydrogen Energy – Air Liquide

David Greeson – Project Director – NRG Energy

Wednesday 25.05
10:30 - 12:30

First
Floor

Room 1

>> THEME 1 - Advances in safe valve design, materials, manufacturing, coatings and focus on additive manufacturing

Moderator: Carlo de Bernardi – ConocoPhillips (USA)

a) Selection and Application of Nickel Aluminium Bronze Isolation Valves

Shiphamvalves – United Kingdom – Nick Gray

b) Castings Production of Sdss with high wall thicknesses

Fondinox S.p.a. – Italy – Matteo Bosatra, Alberto Morini, Simone Volpi

c) A new equation for flow through surface choke valve in digital field calculations

Polytechnic of Milan – Italy – Giambattista De Ghetto

Valvitalia S.p.a. – Italy – Pierpaolo Mandolesi

d) Implications of Robotic Process Automation and Machine Learning: RFQ Process in Industrial Valve Market

Industrial Data Labs – USA – Martin Dytrych

e) Circular Economy in the O&G Industry for Additive

Manufacturing of metal parts

F3nice and Valland S.p.a. – Italy – Luisa Elena Mondora

Wednesday 25.05
10:30 - 12:00

First
Floor

Room 2

>> THEME 2 - Valve actuation and control

Moderator: Umberto Navarra – Technip Energies Italy (Italy)

a) The integrated valve information device for emergency shutdown valve

Imtex controls – United Kingdom – Paul Turner
LGM Engineering – Italy – Andrea Gironi

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

Score Group – United Kingdom – Dave Anderson

Wednesday 25.05
10:30 - 13:00

Ground
Floor

Colleoni Room

>> THEME 3 - Fugitive emissions and valve sealing technologies

Moderator: Christian Reynes – Total Energies (France)

a) A systematic approach for pre-validation of polymer spring-energised seals for critical valve applications

Omniseal Solutions – Belgium – Philippe Burlot

b) VICTREX CT™ Polymers for more Reliable Seals in Cryogenic Conditions

Victrex – Italy – Christian Salvatori

c) Emissions Elimination – Why “Reduce” Emissions when you can “Eliminate” them?

Score Group – United Kingdom – Dave Anderson

d) Valves role on environmental protection

Ved-Coemi – Italy – Nicolai Tasca

e) Semi-dynamic metal sealing: base theory and examples of valve applications

Technetics Group – France – Laurent Guimet

f) Comparative study between IOGP and ISO valve fugitive emissions requirements

CETIM – France – E. Sauger, J. Leray
Total Energies – France – L. Deneuille

Wednesday 25.05
11:00 - 11:40

Ground
Floor

Caravaggio Room

>> Workshop - Polyurethane seals for the valve industries

Istvan Robert Hajzer – Division Manager for SealFluid – FP-F.Ili Paris S.r.l.

Wednesday 25.05
11:40 - 12:00

Ground
Floor

Caravaggio Room

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

Francesco Apuzzo – Chief Technical Officer – Carrara S.p.a.

Wednesday 25.05
12:00 - 13:30

First
Floor

Room 2

>> THEME 4 - Innovation, emerging technologies and future scenarios

Moderator: Ron Merrick – Consultant, Retired from Fluor Enterprises (USA)

a) Material Selection for Valves in H2 environment
Valland S.p.a. – Italy – Alex Giorgini

b) Developed solutions for valves in different hydrogen applications
Dafram – Italy – Marco Sparisci

c) Flexible Graphite seals for Hydrogen applications
SGL Carbon GmbH – Germany – Roland Mittelhammer

Wednesday 25.05
13:30 - 16:00

Ground
Floor

Colleoni Room

>> THEME 5 - International standards, supply specifications, lean documentation management and remote inspection technologies

Moderator: Brian Lade – Consultant, Suncor Energy (Canada)

a) Bio water-based liquid penetrants for non destructive testings of valves' quality
NDT Italiana – Italy – Michele Cevenini

b) How smart industrial companies can unlock productivity safety with augmented reality
Vmatch – The Netherlands – Richard Baars

c) API 20 series – Upstream Supply Chain Management
Studio Gamba – Italy – Massimiliano Gamba
Valvosider – Italy – Pierluigi Moretta

d) European and International standards for valve actuators
AUMA Italiana – Italy – Nicola Spreafico

e) Managing Supply Chain Quality Risks
Eni S.p.a. – Massimo Sanso'

f) Use of the IEC-60870-5-104 protocol in the remote control and management of oil and gas plants, a real case
Ailux S.r.l. – Italy – Stefano Pini

Wednesday 25.05
14:00 - 16:00

Ground
Floor

Caravaggio Room

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

Moderator: Valeria Tirelli – President & Ceo – Aidro

Carlo De Bernardi – Additive Manufacturing Industry Lead – ConocoPhillips
 Brede Laerum – Head of AM Centre of Excellence – Equinor
 Angeline Goh – Digital Manager Supply Chain-Shell
 Edwige Ravry – Additive Manufacturing Lead – TotalEnergies

Thursday 26.05
10:30 - 11:10

Ground
Floor

Caravaggio Room

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

Giovanni Bettega – Chief Technical Officer – Solvo srl
 Simone Mandelli – General Manager – Solvo S.r.l.

Thursday 26.05
11:10 - 11:50

Ground
Floor

Caravaggio Room

>> Workshop - Case study on Valves Subcomponents

Giovanni Bettega – Chief Technical Officer – Solvo S.r.l.
 Simone Mandelli – General Manager – Solvo S.r.l.

Thursday 26.05
13:30 - 15:30

First
Floor

Room 2

>> THEME 5 - International standards, supply specifications, lean documentation management and remote inspection technologies

Moderator: Ugo Ormezzano – Tetra Technologies (Italy)

a) Saudi Aramco: Valves' End User Experience

Aramco Europe, Italy Inspection – Hatim Allhamdan, Chief Office Representative

b) Product Life Cycle Management System Requirements for the Petroleum and Natural Gas Industries – API18LCM

Studio Gamba – Italy – Massimiliano Gamba
 RMT Valvomeccanica S.r.l. – Italy – Riccardo Zamboni

c) API 6D 25th edition, Specification for valves, main changes

Studio Gamba – Italy – Massimiliano Gamba

d) Mechanical components for functional safety applications (SIL): standardization urgently needed!

AUMA Riester GmbH & Co. KG – Germany – Joerg Isenberg

e) Product certification of equipment for oil & gas sector. Export to EACC countries, Saudi Arabia, Kuwait, China, Uzbekistan

Sercons International – Italy, Russia – Valeria Vinogradova,
 Carlo Alberto Franco

IVS 2022 ADVISORY BOARD

IVS 2022 Advisory Board will be made up of key experts representing the major stakeholders of the O&G industry.

The Advisory Board will be in charge of the abstracts evaluation and selection on the basis of: quality contents, focus on industrial application and consistency with the topics.

The best and most innovative papers will be formally presented during specific conferences at IVS 2022.

Maurizio Brancaleoni
CHAIRMAN

Bader M. Al-Jarallah
SAUDI ARAMCO (KSA)

Rob Bartlett
BVAA (UK)

Carlo De Bernardi
CONOCO PHILLIPS (USA), I.O.G.P.

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ESA (UK)

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Italiana di Metallurgia (ITA)

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FLUOR ENTERPRISES (USA)

Umberto Navarra
TECHNIP ENERGIES (ITA)

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Valeria Tirelli
AIDRO (ITA)

Wojciech Zmudzinski
BP AMERICA (USA), I.O.G.P.

IVS 2022 HIGHLIGHTS

THE EVENT BEYOND THE EVENT

A rich programme of events with players and stakeholders of the Oil&Gas industry will maximise the exhibitors' business activities, create a lot of networking business opportunities and improve the visiting experience, both during and after the exhibition.



IVS YOUNG: OIL&GAS PROFESSIONALS OF THE FUTURE

IVS introduces young students to the valve industry through company visits, educational projects, scholarships and much more.



GOLF TOURNAMENT AND GALA DINNER

Special private side events are planned for exhibitors during IVS 2022, such as a Golf Tournament, the Gala Dinner and other cultural events. A unique and exclusive occasion to deepen professional and personal relationships and to spend pleasant moments.



IVS SIDE EVENTS

Other side events run by IVS Exhibitors and by Bergamo Town



IVS EXPERIENCE

"It was perfectly organized and I had fruitful business meetings with a number of suppliers.

It was so comfortable to be at IVS.

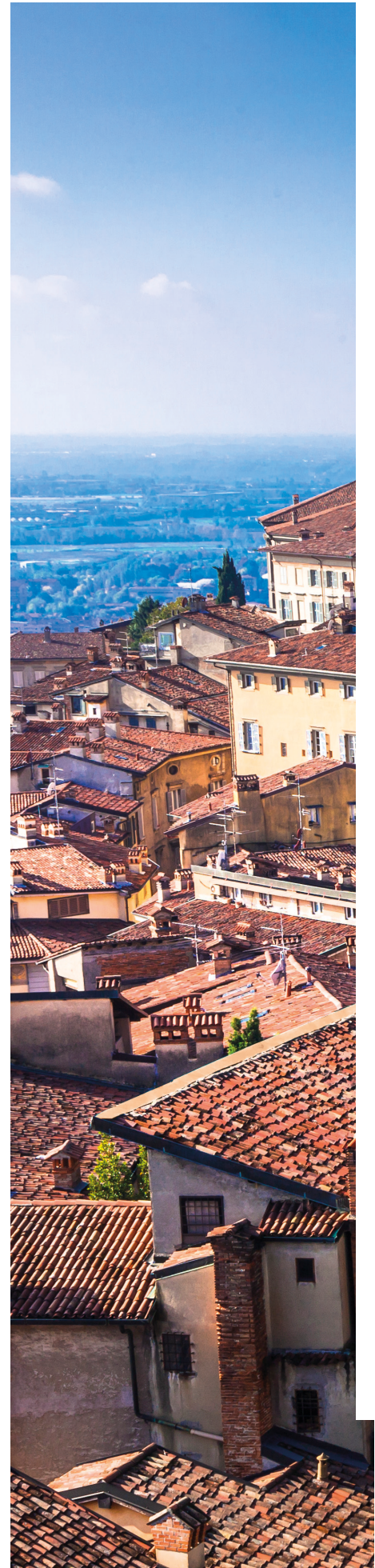
Hope to be there next time."

"It was very good opportunity for us to visit the IVS 2019 and Italian factories to understand their production capacities and ranges."

"I have to congratulate the IVS team on the successful organisation of the IVS 2019. The arrangements were very well co-ordinated and the event had better coverage and footfall then IVS 2017.

I could have met all major valve manufacturers of interest to us under one roof. We are sure this will help us increase our valve sourcing capabilities from Italy."

"I would like to take this opportunity to thank IVS team on all the assistance during our stay in Bergamo. It was a worthwhile trip to actually being part of the event."



IVS AND ITS SURROUNDINGS

AN EXHIBITION IN THE HEART OF ITALIAN CULTURE AND TRADITION

**IVS IS THE PERFECT MIX OF INTERNATIONAL
BUSINESS AND ITALIAN HOSPITALITY.
TWO DAYS OF EXHIBITION AMONG THE
BEAUTIES, TREASURES AND TASTES OF THE
ITALIAN TRADITION.**

DISCOVER BERGAMO



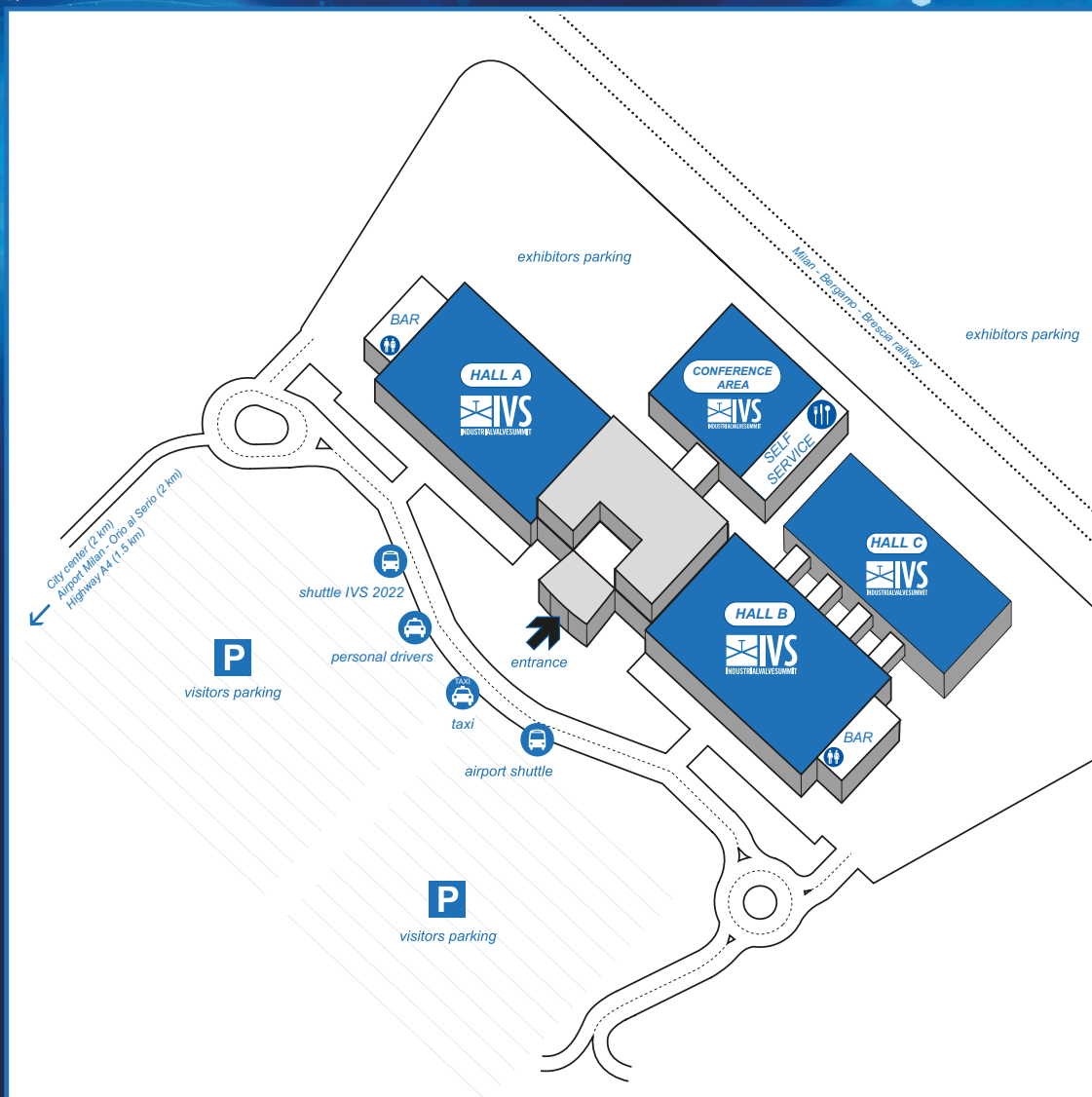
**Bergamo is a wonderful city with a medieval
heart**, perched on a hill and encircled by the
imposing UNESCO World heritage Venetian Walls.

Surrounded by lakes and mountains, Bergamo is
fascinating for its history, culture, food and landscape.

Moreover, its position is strategic to easily reach
the most beautiful Italian destinations like: Milan,
Garda Lake, Franciacorta, Verona and Venice.



FLOORPLAN



PROJECT MANAGER:

Luca Pandolfi
CONFINDUSTRIA BERGAMO
Via Stezzano 87
24126 Bergamo, Italy
Kilometro Rosso Gate 5
Tel. +39 366 6606703
e-mail l.pandolfi@confindustriabergamo.it

ORGANISING SECRETARIAT:

Alessandro Pagnoni
PROMOBERG SRL
Via Lunga
24125 Bergamo, Italy
Tel. +39 035 32 30 904
Fax +39 035 323 0966
e-mail info@industrialvalvesummit.com

EXHIBITION & SPONSORSHIP SALES:

Fabio Casiraghi
FCE GROUP
Viale Sabotino 4
20135 Milano, Italy
Tel. +39 02 5843 7740
Fax +39 02 5831 2269
e-mail fabio.casiraghi@fcegroup.it

