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# THE IPLOCA NEWSLETTER

JUNE 2022



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## IPLOCA Mission

To provide value to members through a forum for retaining and sharing knowledge globally, facilitating business opportunities and promoting the highest standards in safety, innovation, quality, business ethics and sustainability throughout the pipeline construction industry.

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### IPLOCA Secretariat

**International Pipe Line & Offshore  
Contractors Association**  
Chemin des Papillons 4  
1216 Cointrin / Geneva  
Switzerland  
**Telephone** +41 22 306 02 30  
**Fax** +41 22 306 02 39  
**E-mail** [info@iploca.com](mailto:info@iploca.com)  
**Website** [www.iploca.com](http://www.iploca.com)

### IPLOCA Newsletter

**Editor**  
Caroline Caravellas  
**Lay-out**  
Peter Schoonenberg  
**Advertising**  
[peter@pedemex.nl](mailto:peter@pedemex.nl)  
**Comments & copy**  
[newsletter@iploca.com](mailto:newsletter@iploca.com)  
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### IPLOCA Yearbook

**Advertising**  
[peter@pedemex.nl](mailto:peter@pedemex.nl)  
**Listing changes**  
[support@iploca.com](mailto:support@iploca.com)



## Letter from the President

**I am delighted to say that I will be hosting the 54<sup>th</sup> Annual Convention in Prague, Czech Republic from 19 to 23 September. Yes, this year it is happening! Have you registered yet? If not, I advise you to do so straight away. After a three-year break, we have a full business programme lined up around the theme of 'Pipelines Powering a Sustainable Future', as well as a good choice of cultural tours and social activities. Let's make the most of being able to network once again!**

The Open General Meetings will include presentations that address energy transition and also some important health and safety topics. Speakers' profiles may be found on page 19. The full colour Convention brochure is available online on our website and you will find more details in this newsletter, including highlights of the programme and sponsorship opportunities.

In addition, IPLOCA Awards will be presented for 2020, 2021 and 2022. Please note that deadlines for the 2022 awards have been extended, so there is still time to apply for the 2022 Environmental Award, sponsored by Shell and the 2022 IPLOCA Excellence in Project Execution Award. We will also be announcing the recipients of our 2022 Scholarship Programme.

This year's AGM will once again be held during the Convention's Open General Meetings, when members will be called upon to ratify the newly nominated Board of Directors and approve updates to the By-laws. Information on the nomination process and the vacant seats for 2022-2023 can be referred to in this newsletter and on our website.

The Association is pleased to have held two Regional Meetings: one on 16 March in Baku, Azerbaijan for the Europe Eastern Region, followed by one on 26 April in Paris, France for Europe Mediterranean, in conjunction with the Novel Construction Spring Session. We are also planning a meeting for the Latin America Region in Santa Cruz de la Sierra, Bolivia on 7 December, coinciding with a Board Meeting.

Following the Regional Meeting, a rewarding and productive Novel Construction Spring Session was held in Paris from 27 to 28 April. The HSE & CSR Committee also met that week and they are pleased to announce that three new members have joined their ranks: Patrick Berré of Denys, Perry Redman from Caterpillar, and Marie-Laure Suprin from Spiecapag who replaces Alain Gauthiez, retiring from the committee after 10 years of service. Thank you Alain for your long-standing commitment!

I very much look forward to meeting many of you in Prague in September.

With best regards,

**Gonzalo Montenegro**

IPLOCA President 2021-2022



# News from Geneva

## Two Corresponding Members Presented Webinars

Since the last edition of the Newsletter two webinars have been offered to members.



### Operation and Maintenance of Mountain Pipelines – 24 March

With over 20 years' experience, Martin Carnicero, Geotechnical Specialist at TGN, presented his knowledge of the operation and maintenance of high-pressure gas pipelines stretching across the Andes Mountains while taking into consideration the physiographic, geomorphological and climatic variations.

TGN is one of the main transporters of natural gas in Argentina and South America. It operates and maintains more than 11,000 km of natural gas pipelines and has 20 compressor stations; 1,000 km of this is mountain pipelines in the north and the south of Argentina. The integrity management of mountain pipelines presents great challenges. In addition to the most common dangers such as corrosion or third-party damage, there are also geohazards such as mountain river crossings, slope instability, erosion, seismic activity and the risk of volcanic eruptions that require specialised integrity management skills.

### Pipelines in Energy Transition: CO<sub>2</sub> and H<sub>2</sub> Pipelines – 7 April

Wim Guijt, Principal Technical Expert Pipelines at Shell gave a brief description of Shell's involvement and



experience in transporting CO<sub>2</sub> and H<sub>2</sub> in pipelines and presented the company's recently published Strategy for Energy Transition. Reference was made to previous studies for the transportation of CO<sub>2</sub> and more recently the transportation of H<sub>2</sub>, therefore providing an indication of the transport systems that may need to be developed for the future.

A diagram of the existing onshore CO<sub>2</sub> pipelines in the U.S.A. was discussed as well as the expansion of CO<sub>2</sub> network development. An overview of Hydrogen in the Future Energy System was analysed along with integrated Energy and Chemical Parks: industrial hubs, existing H<sub>2</sub> pipeline networks, transportation, Shell's H<sub>2</sub> projects and R&D involvement for future networks.

All presentations and webinar recordings can be found on our website: [www.iploca.com/events/webinars](http://www.iploca.com/events/webinars).



Guess where IPLOCA Executive Secretary Juan Arzuaga, IPLOCA Convention Manager Caroline Green and Caterpillar Party organiser - Marco Jannuzzi were on a recent site inspection for the 2024 Convention? Here's a clue: a region famous for its citrus fruit, used to create a world-famous liqueur...

# Board Meeting Update

**17 & 18 March, Baku, Azerbaijan**

The following summarises the main discussions and outcomes of the March 2022 Board Meeting.



## Opening Remarks from the President

The President, Gonzalo Montenegro stated that he appreciated the efforts made by the Board Directors who managed to come to Baku. He was saddened to see that despite having an exceptionally large Board this term, so few directors were present.

## Safety Moment

A safety moment, about 'invisible tensions' when placing pipes during projects, was presented during the Regional Meeting held on Wednesday 16 March and therefore it was deemed unnecessary to present it once again. The HSE & CSR Committee will work on this safety issue and will produce a guidance document related to tie-ins.

## HSE & CSR Committee

In the absence of the Committee's Chair, Bruno Pomaré, Juan Arzuaga presented the HSE & CSR Committee report. He informed the directors that Ibrahim Zakhem, a Committee Leadership member, had resigned from the Board; he is not able to participate in Board meetings due to COVID travel restrictions and the related documentation that is required. Two new members had joined the HSE & CSR Committee: Mustafa Aslan of Tekfen Construction (see the March 2022 IPLOCA Newsletter for his profile), and Perry Redman of Caterpillar. The Committee would also like to have members who work in operations and the Board was invited to propose possible candidates.

A Committee meeting was held on 10 February to review and finalise the 'golden driving rules', which are published in this edition of the newsletter. The next HSE & CSR

Meeting was planned to be held in-person on 25 April in Paris, France. At the date of the Board meeting, 11% of the 2021 HSE Statistics had been received from IPLOCA Regular Members; the Executive Secretary highlighted the annual struggle to have members submit their statistics.

## IPLOCA Awards

The new Quality Award, sponsored by TC Energy is ready and will be presented at the 2023 Annual Convention. One of the action items from the December 2021 Board Meeting was to decide if all the awards should be given on a yearly basis. It was mentioned that if the awards were given every year, there would not be enough submissions. The reason that they are presented every other year is so that enough submissions are received in order to have a good selection. It was therefore decided that the Health & Safety Award will continue to be presented on an annual basis and the other awards will continue to be presented every two years.

## Innovation Committee

Gerben Wansink, Innovation Committee Chair presented the committee's report. He informed the group that there was not a lot to report since the last Board Meeting in December. The next Novel Construction Session would take place in Paris, France from 27 to 28 April after the HSE & CSR Committee Meeting and the Europe Mediterranean Regional Meeting. A quick demonstration was given on how to log into the IPLOCA Members Technology Platform.

## Membership Committee

To encourage more active participation from current members and to boost membership numbers, the Membership Committee recommends a number of action points that includes IPLOCA inviting Corresponding Members to speak at various events. The Executive Secretary has personally invited all Corresponding Members to give webinars and two have accepted: TGN who presented on 24 March, and Shell on 7 April. TC Energy has promised to block a date to make a presentation in the near future.

Additionally, Corresponding Members are invited to speak at Regional Meetings. Potential new members are invited to upcoming Regional Meetings and the Membership Manager is in regular contact with them. All Board Directors have been given a target of encouraging at least one new member to join during this presidential term.

## Energy Transition Group

Andrew Ball, Energy Transition Group Chair, supported by Francesco Ferrini, Marco Lombardi, Meletios Tzaferis,



Paolo Zoni, and Bruno Pomaré in leadership roles, presented the Group's report. Bruno Pomaré had recently joined the Group to be able to address safety issues related to working with carbon capture and hydrogen.

Based on its mission (described on page 7 of the March 2022 IPLOCA Newsletter), the Group will gather information which will be posted on the Road to Success app, and divided into the following categories: standards & specifications; welding; membership & associations; equipment, fittings & pipe; net-zero construction; net-zero projects; plant & machinery, policy government & regulation; technologies, research & development; skills development & education; and green credentials & accountability.

RSK Group has agreed to support IPLOCA in reducing the carbon footprint of the Association and providing benchmarks that can be shared with members. An objective of the Energy Transition Group is to have members submit information annually and, if they fulfill certain criteria, be listed as 'green'. Andrew Ball mentioned that J. Murphy & Sons has created a sustainability road map leading to net-zero carbon emissions in 2050.

There is a huge possibility to attract new members with regards to this change in outlook for the Association; Andrew Ball plans to invite a number of forward thinking companies/Sister Associations to join IPLOCA. The Energy Transition Group will compile a short questionnaire for members, asking if they would like the Association to award a 'green' label to companies who have reduced their carbon footprint etc. The results will be collected by the Secretariat. The Group would list milestones for companies to use to become greener. The plan would be to inform the membership about the 'green' label award and its objectives during the Annual Convention.

## **Scholarship Programme**

In Kelly Osborn's absence, Juan Arzuaga presented an update on the Scholarship Project. As of 9 March, 57 completed applications had been received and 49 applications had been started but not completed. It was noted that the number of uncompleted applications was high. It was also mentioned that the scholarship system is more adapted to U.S.A. students, and that it is easier for them to submit their application compared to non-English speaking students.

It was suggested that the application process would need to be re-evaluated and the forms presented for discussion at the next Board Meeting. It was also noted

that the contract with Scholarship America, who manages the application process on behalf of IPLOCA, will come to an end in 2022. Sources for funding the programme remain unclear. A decision on the future of the IPLOCA Scholarship Programme will be made at the June Board Meeting in Dublin and presented at the AGM during the Annual Convention in Prague.

## **Annual Conventions**

Roger Spee, Convention & Board Location Project Lead, reminded the Board of the importance of planning the location of Annual Conventions 5 years ahead as this provides enough time to negotiate the best prices. It also allows sufficient time to put a back-up plan in place should there be a need to change destination.

A lot of homework is done before considering each convention destination. Each year, two of the board meetings are held in locations that could be considered for the Annual Convention. This gives the opportunity for the Board spouses to give their feedback on the destinations which is also taken into consideration.

The Board was reminded that the 2023 Convention will be held in Vancouver, Canada from 11 to 15 September. Following a discussion on room rates, potential tour programmes etc., Sorrento, Italy was chosen as the destination for 2024, with a site visit being planned for May.

It was noted that member companies need to have paid their membership fee for the current year to be able to attend the Annual Convention.

## **Review of IPLOCA By-laws**

Adam Wynne Hughes thanked the Directors who had taken the time to send in their comments and suggested changes to the By-laws. A "track changes" version will be reviewed by the Board and the final text will be decided at the June Board meeting, in time to be presented at the AGM in Prague in September.

## **Implementation Grid**

Juan Arzuaga went through the February 2022 edition of the Implementation Grid that resulted from the strategic review undertaken two years ago (see page 9 of the June 2020 IPLOCA Newsletter) and updated the Board on the progress of the outstanding action items.

## **Regional Meetings**

A Europe Eastern Regional Meeting, supported by SOCAR and Tekfen, took place on Wednesday 16 March and a meeting for the Europe Mediterranean Region was held on 26 April in Paris, France, with support from Spiecapag &

SPAC. (see page 15 of this newsletter). Gonzalo Montenegro is organising a Regional Meeting in Santa Cruz de la Sierra, Bolivia, on 7 December. It will have a strong Latin American influence, similar to the one held in Lima, Peru in 2018. A Regional Meeting for the Europe Central Region is also being planned in Germany.

### New IPLOCA Logo

The current IPLOCA logo is considered outdated and a new, 'greener' and more contemporary logo is needed to reflect energy transition and changes that the industry is undergoing. It was agreed that the logo needs to convey the message that the Association's members also work with hydrogen and water and not just oil & gas pipelines.

Roger Spee presented several different logos for discussion, which were developed with the assistance of an external PR company and kindly financed by CRC-Evans, of which three were short-listed. The final choice

of logo will be made at the June Board Meeting and then presented at the AGM in Prague.

### IPLOCA Promotional Video

Following an action point from the December 2021 Board Meeting, an updated IPLOCA promotional video has been created to be used as an aid for Board Directors looking to introduce potential new members to the Association. Gonzalo Montenegro mentioned that he intends to have the video translated into Spanish so that it can be used more easily in the Latin American region. It was noted that the video will be updated as and when needed and will, for example, incorporate further text related to sustainability.

### Membership Certificates and the IPLOCA Yearbook

It was agreed that companies like to receive a hard copy of the membership certificate and the IPLOCA Yearbook and they will continue to be sent to members.

## Sister Associations



Amongst 380 participants, IPLOCA Executive Secretary, Juan Arzuaga, accompanied by his wife Alejandra, attended the Pipe

Line Contractors Association of Canada's 68<sup>th</sup> Annual Convention. Resuming after two conventions had to be cancelled, this event took place from 2 to 6 May at the Hyatt Regency Maui Resort and Spa in Hawaii.



Juan Arzuaga (IPLOCA), Rob Darden (DCA), Neil Waugh (PLCAC), Neil Lane (PLCAC), Kevin Parker (DCA), Adam Wynne Hughes (PIG)

Members of the World Federation of Pipeline Industry Associations (WFPIA) met there to discuss areas of

common interest, such as contract conditions for convention hotels, membership numbers following the COVID pandemic, and the HSE training video being updated using cartoons.



The Australian Pipelines and Gas

Association's Annual Convention and Exhibition will take place from 24 to 27

September at the Brisbane Convention and Exhibition Centre; the theme is Connect, Share, Discover. Check their website for further information: [www.apga.org.au/events](http://www.apga.org.au/events).



The International Marine Contractors

Association organises a regular programme of meetings and events all over the world including regional meetings and technical seminars. Further details may be found on [www.imca-int.com/events](http://www.imca-int.com/events).

### Reciprocal Agreement

As a reminder, members of Sister Associations are allowed to register to attend the IPLOCA Annual Convention, and in turn, IPLOCA members can participate in Sister Association events, based on availability. Should you be interested in taking up this opportunity, contact [juan.arzuaga@iploca.com](mailto:juan.arzuaga@iploca.com) so he can request a registration code for the event you are interested in attending.

A list of Sister Associations may be found in the IPLOCA Yearbook or at [www.iploca.com/about-us/world-federation](http://www.iploca.com/about-us/world-federation).



# Member News

## Cyntech's Anchor System in Baltic Pipe Project



Cyntech is proud to share its involvement with the ongoing construction of the Baltic Pipeline. The watercourse crossings on this project present unique challenges; Cyntech's pipeline anchor system was chosen as the technology to solve these challenges and ensure safe constructability and operation of the Baltic Pipeline. In addition to providing superior stabilisation of the pipeline, Cyntech's anchor system reduces the project's carbon footprint by eliminating hundreds of tons of concrete and replacing it with high-strength, recycled steel.

## Goriziane's First Fully Electric Beveling Machine (EBM)



Goriziane E&C's Pipe Facing Machines can be used for the construction of oil, gas and water pipelines. The company is able to design and manufacture custom-made machines as per each customer's needs, such as the double pipe facing machines, or miter pipe facing machines with mitered bevels up to 2°, where mitered pipe is required. The Pipe Facing Machine ranges from 6" up to more than 88", makes precise bevels (+/- 0,1mm), has an adjustable rotation speed with a safety system, and is low maintenance. If required, it can

also bevel up to 2° without using a Pipe Bending Machine. In addition to its pipe facing machines, Goriziane is now offering the first ever Fully Electric Beveling Machine with a single expansion group, able to cover the complete pipe range. It has an adjustable beveling speed, maximum torque, high-force clamping and is able to re-round pipes. It also has a wireless control function, allows for the possibility of installing a 3D scanner for beveling control, and is equipped with IoT for remote assistance.

## ILF Supports the Baltic Pipe Project

ILF is proud to support the Jutland Funen project, part of the overall Baltic Pipe project, with engineering services including, amongst others, project management, detailed design, owner's engineer, and construction supervision. The Baltic Pipe project is a major gas infrastructure project that aims at creating a new supply corridor in the European gas market. For the first time ever, it will enable shippers to flow gas directly from Norway to the markets in Denmark, Sweden, and Poland, together with their neighbouring markets. Moreover, it will also enable shippers to flow gas bi-directionally from Poland to the Danish and Swedish markets, thus further strengthening supply diversification, market integration, price convergence, and security of supply. The project is expected to be commissioned by October 2022 and gain full capacity by 31 December 2022. In view of the Russian decision, at the end of April, to stop delivering contracted amounts of gas to Poland, the Baltic Pipe project proves to be an excellent investment and ensures that not only Poland but also Lithuania and potentially Slovakia are going to gain full independence from politically used gas supplies.

## KPTL Oil & Gas Pipeline Business Awarded Major Pipeline Projects in India

In August 2021, Kalpataru Power Transmission Limited (KPTL) was awarded the laying & construction of a steel gas pipeline and terminals along with associated facilities for



Section II of the Mumbai – Nagpur Pipeline Project (Part A) for GAIL (India) Ltd. This contract covers the laying, testing, pre-commissioning, and commissioning of a 24" x 226.6 km pipeline including seven Sectionalising Valve Stations and two Intermediate Pigging Stations. In January 2022, KPTL was awarded the contract for the laying of an iron ore slurry pipeline (Spread I) from Palashpanga to Jajpur for JSW Utkal Steel Ltd., at Odisha Mines, covering laying, testing, pre-commissioning, and commissioning of a 32" x 131 km slurry pipeline including five Pressure Monitoring Stations. Both projects involve construction management, HSE & quality management, surveying, ROU management, crossings and HDD along the pipeline route, laying of OFC & HDPE ducts, site restoration, magnetic cleaning and EGP (Electronic Geometric Pigging) of the pipeline, temporary cathodic protection works, associated civil, electrical, instrumentation and telecom works.

### Increased Efficiency Onsite with Latest Liebherr Dozer Assistance Systems

Liebherr generation 8 dozers offer a variety of operator assistance systems to optimise the entire site process from preparation up to completion. With Liebherr Indicate, operators see the inclination of terrain as well as blade and machine position (longitudinal and cross slope) in one glance. This allows them to quickly have an overview of the situation onsite, to shorten preparation time and to use the machine technology more efficiently. The active blade stabilisation, Liebherr Free Grade, supports drivers to quickly create precise gradings. Without the need for a surveyor or digital site models, the creation of access roads and unloading areas, storage and service places is done with ease. Liebherr Definition Grade, the active blade guidance, expands the possibilities to the next level. This assistance system allows to model a 2D surface without a rotating laser and can be used as a fallback solution when no global navigation satellite system (GNSS) is available. Equipped with Liebherr Ready Kits for machine control systems of Trimble, Topcon or Leica, customers are able to increase



productivity and get complex jobs done in fewer passes, while keeping setup and installation time to a minimum.

### LogIC's Pipeline Construction Digitalised Quality Management



Throughout pipeline construction, operations must be controlled with evidence to ensure traceability, quality and compliance with requirements. Necessary activities are carried out by field teams and a significant quality team but, thanks to LogIC's QCM application they can be digitalised. Set with requirements and all project input data (users, allowed ranges, materials, pipe list, etc.), the application, used by team leaders in the field with a tablet, collects, controls and transmits construction data for each activity configured specifically before. This allows the quality team to receive, in real time, all the construction data already checked. In this way, field and quality team activities are optimised: no more paper, reduced travel to communicate construction data and sources of errors are removed. The application generates output data needed for the project in real time, such as the weld book and welding statistics, self-checks, reports and progression by activity. All input and output data can be customised at will. With this efficient quality management system, construction follow-up is optimised (cost reduction, real time, geolocalisation, safety and environmental impact) and requirements compliance is improved (data available in real time, data secured, instantaneous communication etc.).

### SICIM Awarded Major Pipeline Project in Italy

Having been awarded the construction of 4 lots of the Ravenna – Chieti gas pipeline by Snam Rete Gas, SICIM is returning to its origins and is back in the Italian pipeline construction market after 15 years. The project is located along the Adriatic coast and crosses 3 regions: Emilia-Romagna, Marche, and Abruzzo. Under Snam's general investment programme, aimed at maintaining the security and quality levels of the national gas transport network,





SICIM will install 175 km of 26" gas line to replace the existing infrastructure built in the 1970s. The pipeline route crosses the coastal "Riviera Adriatica" just outside Ravenna and Rimini and then the hills of central Italy, and entails several complex technological challenges. The presence of roads, railways, and rivers crossings will lead to laying more than 20% of the pipeline length (i.e., approx. 44 km) by using trenchless technologies such as 24 microtunnels, 40 HDDs, and more than 200 auger borings. The work includes the installation of 31 associated above ground installations and approximately 56 km of minor pipeline interconnections with sizes of between 4" and 10". Once the new pipeline will be commissioned and in operation, the old line is to be removed and steel pipes disposed of. The work will start during the summer of 2022, to be completed within a 36-month period, employing approximately 400 people. As with all of its projects, after completion of the replacement, Snam will take care to restore the natural ecosystems affected by the works.

### Baltic Pipe Project's Pre-commissioning Operation by Techfem



The Baltic Pipe Project, developed by both GAZ-SYSTEM S.A. and Energinet, Denmark as co-investors, is a 36" offshore pipeline, which will connect the east coast of Denmark and the

northern coast of Poland. The project involves the construction of a new bi-directional gas pipeline system that will enable shippers to flow gas directly from Norway to the markets in Denmark and Poland. In 2021, Techfem was awarded, as Saipem's contractor, the execution of the pre-commissioning operations of the ca.275 km offshore pipeline from Denmark to Poland, with a maximum depth of 55 m. The site operations included the following five phases: flooding, cleaning and gauging with filtered and treated seawater; hydrostatic strength test of the pipeline; pipeline desalinisation with fresh water; dewatering by means of dry compressed air; final drying and packing for pipeline preservation until the first gas injection. To date, Techfem has successfully executed the activities concerning the first two phases. The remaining activities are planned to be completed in the coming months.

### Xionggu Automatic Welding Machine Spreads Set Inherent Record in LNG Pipeline Project



The Binhai LNG project is located in the northeast of the Subei faulted basin in the Yangtze fault block area. The strata are well developed and a set of shallow marine, coastal and continental materials is deposited there. The Quaternary sedimentary thickness is about 150m. The ground elevation is generally between 0.6m and 9.8m. According to the ground elevation (zero point of waste Yellow River), the whole county can be divided into three types: high elevation land, sub highland and low-lying polder area. There is a large population, a wide water network, complex road crossings and discontinuous pipeline laying surfaces in the area. Sichuan Oil Engineering & Construction Co., Ltd. (CNPC group) utilises 5 spreads of Xionggu A-806/36 internal welding machines and A-610 dual torch pipeline automatic welding machines in this project. With the exception of the fourth spread that has no welding work, there were 56 welded joints per day in the first spread, 55 in the fifth spread, and 24 in each of the second and third spreads, with a total number of welded joints per day of 159. This is a new record set by Sichuan Oil Engineering & Construction Co., Ltd. on the terrain of a wide water network.

# Health, Safety, the Environment & CSR

## New Committee Members

The HSE & CSR Committee is delighted to welcome three new members: **Patrick Berré** from Denys, **Perry Redman** from Caterpillar, and also **Marie-Laure Suprin** of Spiecapag, replacing **Alain Gauthiez** who is retiring from the committee after ten years of service.



During his 26-year career with Denys N.V., **Patrick Berré** has always been very interested, pro-active and highly committed to safety on project jobsites: during preparation, construction and commissioning. He is currently Division Manager, Cables & Pipelines and Division Manager, Water Works. He looks

forward to being a valued contributor to the Committee, regarding corporate social responsibility and sustainability topics, as well as by sharing his experiences of all operational aspects of Denys' national and international onshore projects.



**Perry Redman** is proud to support the IPLOCA strategy and vision with a strong commitment to serving the energy industry through safety, training and pipeline-specific solutions. Perry has a 25+ year career with Caterpillar. He has held numerous global product and commercial leadership roles

in pipelayer and large track-type tractor engineering, operations, pricing, purchasing, product support, business development and global product strategy. He has led regional and global product management teams in Akashi, Japan, and Den Bosch, The Netherlands and is currently serving as North America Corporate Accounts Manager for the pipeline industry.



**Marie-Laure Suprin** joined VINCI group in 1999. After working for four years in France for GTM and Entreprise PETIT as a QHSE engineer, she joined VINCI Construction Grands Projets (VCGP). She worked for VCGP from 2003 to 2021 in Libya, Jamaica, Russia, Cambodia and Egypt as a QHSE engineer or manager. These assignments gave her a practical approach to health and safety in the construction

industry. Several of the projects she worked on included a water process element (water pumping and storage facilities, drinking water treatment plants). She moved back to France in 2020 when the pandemic broke out and has been working for Spiecapag since March 2022 as Corporate Health and Safety Manager.

## Thank you Alain!



The HSE & CSR Committee would like to express its gratitude to **Alain Gauthiez**, Director, QHSE & CSR at Spiecapag, for his commitment and long-standing service to IPLOCA. Alain's 40-year career has included 32 years in QHSE & CSR management in oil & gas electromechanical industries, plus 8 years of construction surveying, both onshore and offshore. He has been in his current role at Spiecapag since June 2009 and his vast experience and knowledge have been a real asset to the Committee over the last decade.

## Other points from the HSE & CSR Committee Meeting

As of the last Committee meeting on 25 April, and despite two reminders, only half of the 2021 H&S Statistics Returns had been submitted, in which one fatality had been reported. The Committee is working on a colour coding system to be able to quickly evaluate the extent to which a member company follows or meets environmental and social goals, starting by calculating green credentials and defining minimum standards. As many fatalities are related to tie-ins, a guidance document is being developed that outlines tie-ins related to "invisible tensions" when placing pipes during projects.

## Golden Driving Rules



These rules have been finalised by the Committee and can be found on our website at [www.iploca.com/hseplatform](http://www.iploca.com/hseplatform).

## 2022 HSE & CSR Workshop

**Mark your diaries – 18 October, Barcelona, Spain**  
**Theme: Sustainability**



# Innovation



The Spring Novel Construction Session was held at the Mercure Paris Centre Tour Eiffel Hotel in Paris, France on Wednesday, 27 and Thursday, 28 April, with more than 65 delegates from across the world participating in person.

On Wednesday morning, IPLOCA members and guest speakers gave presentations on innovative developments and initiatives aimed at improving pipeline design and construction.

The following subjects were presented:

- **AI-Powered Construction Progress Monitoring**, Anne Philipona Hintzy & Magdalena Czernicka, AI Clearing
- **Environmental Advantages by Using the Pipe-Crawler**, Uwe Dietrich, MEFS-Technik GmbH
- **E-Power Pipe by Denys - An Innovative Trenchless Technique, not only for Electrons**, Patrick Berré, Denys N.V.
- **Airborne & Self-Assembly Excavator**, Cesare Ghizzoni & Gabriele Politi, SICIM S.p.A.
- **Quality Control Management, Real Time Construction Follow up**, Lena Muscillo & Julien Beaufils, LogIC SAS
- **Bendforce-Internal Pipe Bending for Every Dimension**, Oliver Baum, Bendforce GmbH
- **Pipe and Coating Protection for Extreme Conditions**,\* Geoff Connors, PipeSak Incorporated

\* An article on this initiative follows this report.

Copies of all the presentations are available at [www.iploca.com/events/novel-construction-sessions/](http://www.iploca.com/events/novel-construction-sessions/)

On Wednesday afternoon and Thursday morning, group work sessions and presentations took place to review the existing and new chapters that need to be completed, as well as additional subjects to be developed for “The Road to Success” app. We would like to thank all of those who participated in the Spring Novel Construction Meeting. If you would like to take part in the Novel Construction Initiative, please contact the appropriate group leader or [gregoire.demontmollin@iploca.com](mailto:gregoire.demontmollin@iploca.com).

We look forward to our next session which is planned for 19-20 October 2022 in Barcelona, Spain. The hotel is yet to be defined.

## IPLOCA Members Technology Platform Update

**The IPLOCA Members Technology Platform - a portal that exclusively showcases IPLOCA members’ technologies and more recently, expertise, to potential clients globally - is celebrating almost two years online!**

Since the platform’s launch, 42 innovative technologies from 26 innovative IPLOCA member companies have been published and have attracted interest from potential end-users. These technologies include pipeline manufacturing and coating solutions, as well as pipeline peripheral equipment, both for onshore and offshore deployment.

Earlier this year, the ‘tech experts’ feature was introduced, allowing independent technical experts to offer companies their support in selecting and deploying technologies. We already have a few technical experts live on the portal. The IPLOCA Members Technology Platform has now generated over 10,000 page views from industry stakeholders all over the world. If you would like to register your technology or expertise and start attracting potential clients please contact [gregoire.demontmollin@iploca.com](mailto:gregoire.demontmollin@iploca.com).

Working Groups	Leader (Company)	Email
Energy Transition	Andrew Ball (J. Murphy & Sons Ltd.)	<a href="mailto:andrewball@murphygroup.co.uk">andrewball@murphygroup.co.uk</a>
Earthworks & Crossings	Diana Rennkamp (Herrenknecht)	<a href="mailto:rennkamp.diana@herrenknecht.de">rennkamp.diana@herrenknecht.de</a>
Steep Slopes Installation	Matt Granger (Ledcor)	<a href="mailto:matt.granger@ledcor.com">matt.granger@ledcor.com</a>
New Trends & Innovation	Mustafa Abusalah (C.C.C.)	<a href="mailto:mabusalah@ccc.net">mabusalah@ccc.net</a>
Coatings	Somaieh Salehpour (Seal for Life)	<a href="mailto:somaieh.salehpour@sealforlife.com">somaieh.salehpour@sealforlife.com</a>
Environment	Katrina Cooper (RSK)	<a href="mailto:kcooper@rsk.co.uk">kcooper@rsk.co.uk</a>
Logistics	Jean-Baptiste Rousseau (Spiecapag)	<a href="mailto:jean-baptiste.rousseau@spiecapag.com">jean-baptiste.rousseau@spiecapag.com</a>

# New Pipeline Protection System

## for Extreme Conditions

Geoff W. Connors, CEO, PipeSak Incorporated, Canada



**During the design and installation of any new pipeline, long-term integrity is an important and critical consideration. The pipe is coated in the mill with the best materials available; the pipe is welded, joints coated and the finished pipeline is carefully placed in the trench and backfilled. Within this process, damage to the pipe and its coating is limited through efficient construction practices and other protection measures.**

Typically, the installation phase is when a new pipeline is most susceptible to damage – particularly when stone or rock is present. For areas of heavy stone and rock, such as a blasted rock trench, extensive pipeline protection measures are necessary. Large quantities of compactable sand are often our first choice. Where sand is not readily available, other means of pipe protection such as wood lagging or thin film concrete coating are common options – both with many drawbacks (including high cost).



Today's advanced technologies allow for a better, more cost-effective option – high impact rock shields (HIRS). Manufactured from durable, flexible polyethylene, HIRS are easy to install, provide continuous, long-term protection, while being compatible with modern cathodic protection systems.

HIRS were developed to address an industry need for an engineered alternative to wood lagging and thin concrete coating in terrains that demand more protection than light duty rock shields plus sand can provide. Designed with impressive rock impact resistance and compressive strength characteristics, HIRS greatly reduce the requirement for sand bedding and padding. HIRS have been proven to withstand the repeated impacts of large, angular rocks from a drop height of over 3 metres. The lightweight, interlocking design is easy to handle and can be quickly installed using patented QuickZip™ fasteners. In areas where pipelines may be exposed to equipment working nearby, HIRS offer additional, temporary heavy-duty protection against mechanical damage, protecting foreign pipelines during new installation undercrossing. By wrapping the foreign pipeline in HIRS, the foreign pipeline is well protected against any low impacts it may accidentally experience from nearby equipment.

Cased crossings have presented the issue of ensuring the carrier pipe does not receive any additional point loading from the standard-style casing/pipe separators. Short circuiting of cathodic protection systems has been another concern in cased crossings. High impact rock shields can be used to replace both the casing/pipe separators and the end seals. With HIRS installed, the full length of the cased crossing is isolated. PipeDefender is engineered to work with cathodic



protection systems and allows an easy path for groundwater – both into and away from the pipe. The modular design of the panels can be used for multiple pipe diameters and can be field trimmed to accommodate tight bends.

High impact rock shields have been readily available in North America since early 2021. Using them offers engineers and contractors an additional option to protect pipelines during installation in extreme conditions, with potential logistical and cost advantages compared to historical methods.

Testing has proven PipeDefender® from PipeSak has excellent rock impact resistance, compressive strength characteristics, and cathodic protection compatibility.



## Regional Meetings

IPLOCA members and business partners were delighted to meet up once again face-to-face during a number of Regional Meetings. The regional approach allows guests to engage at the local level and discuss common issues and concerns.



- **HSE & CSR Committee Initiatives** by Juan Arzuaga
- **Legal Aspects of the Oil & Gas Sector Regulations in Azerbaijan** by Nariman Ramazanov, FINA LLP
- **Towards the Future, Together** by Levent Kafkasli, Tekfen Insaat Ve Tesisat

Copies of the presentations can be viewed on [www.iploca.com/event/regional-meeting-baku-azerbaijan](http://www.iploca.com/event/regional-meeting-baku-azerbaijan)

### Europe Mediterranean

A Regional Meeting for Europe Mediterranean took place at the Mercure Paris Centre Tour Eiffel Hotel, France on Tuesday, 26 April. This meeting, kindly co-hosted by SPAC and Spiecapag, was held in conjunction with the IPLOCA Novel Construction Spring Session. More than 70 delegates, mainly from France and neighbouring

### Europe Eastern

Coinciding with the March IPLOCA Board Meeting, a Europe Eastern Regional Meeting, co-sponsored by SOCAR and Tekfen Construction & Installation Co., Inc., was held on 16 March, at the Four Seasons Hotel in Baku, Azerbaijan, and was attended by 25 participants. After an introduction on IPLOCA initiatives by Juan Arzuaga, the afternoon included the following presentations, and finished with a cocktail reception.

- **SOCAR – A Look Into the Future** by Namik Aliyev, SOCAR Midstream Operations LLC
- **Planning and Implementing Brownfield Projects on Operational Facilities** by Polad Rustamov, TANAP



countries, participated in the event. The agenda included presentations by representatives of French and international companies from the pipeline and construction industry and also provided opportunities to meet members and guests from the region.

Under the banner of “Decarbonisation Powering the Future of Pipelines”, the following subjects were presented:

- **Hydrogen Networks: Towards the Emergence of a new Market**, David Toschini, GRT Gaz
- **Various Techniques of Underground Storage of Hydrogen**, Louis Londe, Geostock
- **Hydrogen Pipeline Projects \***, York Schorling, ILF Consulting Engineers
- **Welding of Hydrogen Pipelines**, Guillaume Graindor, Serimax
- **Energy Transition & Network Development**, Philippe Etcheverry, Terega

- **CCUS/Transportation of CO<sub>2</sub> & H<sub>2</sub> Blending**, Giulio Fatica, Saipem S.p.A.
- **France Strategy towards Hydrogen Development**, Maxime Sagot, France Hydrogen

\* An article on this presentation follows this report.

Copies of these presentations are available at [www.iploca.com/event/iploca-europe-mediterranean-regional-meeting](http://www.iploca.com/event/iploca-europe-mediterranean-regional-meeting)

## Latin America

The Latin America region will hold their Regional Meeting in Santa Cruz de la Sierra, Bolivia on Wednesday, **7 December** in conjunction with the December IPLOCA Board Meeting. For further details on this event, please visit the IPLOCA website or contact [gregoire.demontmollin@iploca.com](mailto:gregoire.demontmollin@iploca.com).

# Hydrogen Pipelines in Europe

Darko Balatinec and Dr. York Schorling, ILF Consulting Engineers

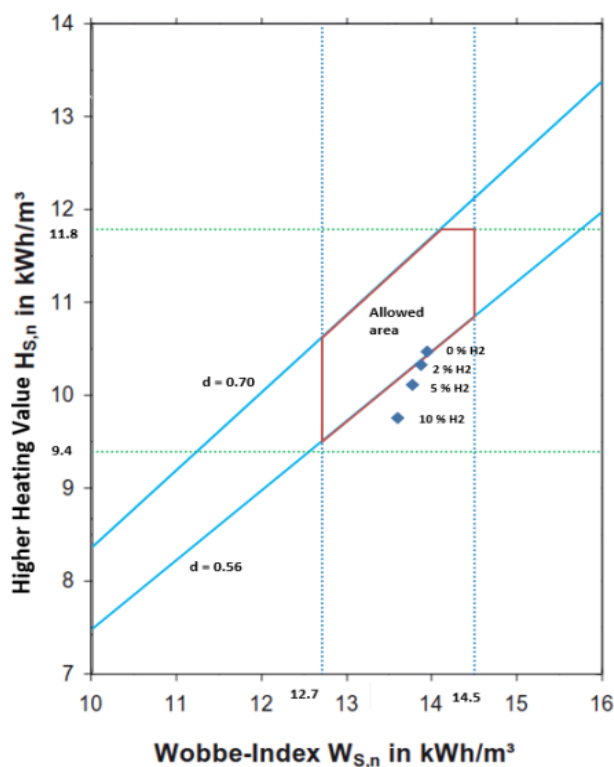
ILF Consulting Engineers presented technical aspects of hydrogen pipeline projects in Europe during IPLOCA Novel Construction Sessions in 2021 and 2022.

The main focus of the first presentation was on the aspects related to admixture of hydrogen to existing and currently designed natural gas pipeline systems. An assessment was made of the extent to which admixture of hydrogen is in line with the legal framework for specific projects in Europe. Moreover the impact on consumers and the overall gas distribution network was taken into consideration, together with the materials and components of the pipeline system.

Changes in the gas composition were produced when hydrogen was added, and verifications had to be made to determine if the new compositions are compliant with the governing legislation of the project. The requirements had been linked to the Wobbe Index. For this specific case, the gas properties need to be in the red area marked in Figure 1. The added hydrogen reduces the Wobbe Index. As shown in Figure 1, the gas properties without hydrogen fulfil these criteria, whilst with added hydrogen this is no longer the case.

The gas from the pipeline project will be delivered to other European pipeline systems, but also to regional distribution systems, local consumers and underground

gas storage facilities. In this respect, an assessment was conducted to determine to what extent these downstream consumers are able to cope with the hydrogen admixture.



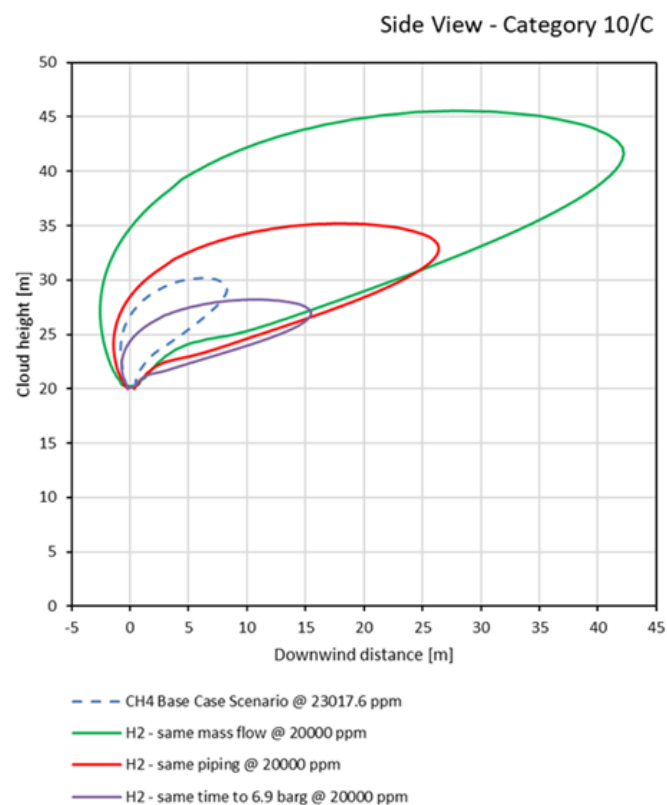
**Figure 1:** Relevant parameters for definition of natural gas in case of admixture of H<sub>2</sub>



Several concerns were identified, including the fact that in the area of the project there are several CNG (Compressed Natural Gas) filling stations for cars, which in effect, limit the hydrogen concentration to 2%. The impact of hydrogen admixture on pipeline system properties and project materials has been assessed. The admixture of 10% hydrogen results in a 5-6% decrease of the pipeline transport capacity. Further verification showed that hazardous areas, fire safety and emergency venting requirements were not impacted. Given the relatively low partial pressure of hydrogen in case of admixture, the impact on material properties was considered acceptable. Recommendations have been made to limit the carbon equivalent value, sulphur content and hardness levels of the line pipe materials for new pipeline projects.

At the IPLOCA meeting in 2022, the focus was on the design aspects for pipeline systems for pure (100%) hydrogen. One of the challenges for projects in Europe is that there are no harmonised standards available. Process and safety aspects, material aspects, as well as welding were all taken into consideration. Comparisons were made between systems for natural gas and hydrogen for emergency blowdown of compressor stations. The results showed that the rules successfully applied for natural gas, could, in principle, also be used for hydrogen. From a technical perspective the properties of hydrogen are very different to natural gas, e.g. a very low energy is required to ignite hydrogen. As a consequence, specific precautions are required.

A comparison was also made of the line pipe specification in respect to the two options "A. Prescriptive design method," and "B. Performance based design method" as per ASME 31.12. Option "B" has advantages in respect to wall thickness and therefore project economics where



**Figure 2:** Ex-zones resulting from dispersion calculation for natural gas and hydrogen cases

additional conditions, amongst others in respect to fracture toughness, need to be met by the suppliers. Field welding for  $H_2$  pipelines was also taken into consideration, and a recommendation was made to include the prequalification route of the WPS with fracture toughness tests for field welding. This, however, may have an adverse impact on the pipeline construction period.

Both papers are available on the IPLOCA Novel Construction webpage.





# IPLOCA 54<sup>th</sup> Annual Convention

19 to 23 September 2022 – Prague, Czech Republic

Register now at [www.iploca.com/events/annual-convention/2022-convention](http://www.iploca.com/events/annual-convention/2022-convention)



[Download the convention brochure >](#)

**Come join us in Prague in September and take advantage of all that the IPLOCA Convention has to offer:**

- Inspiring presentations
- Pipeline industry awards sponsored by BP, Shell, TC Energy and TotalEnergies
- Facilitated B2B Meetings
- Poster Sessions
- Regular & Associate Member Meetings
- Updates on IPLOCA's activities
- Great networking opportunities
- Excellent social and cultural events

This year's cultural programme is not to be missed as it includes tours to Prague Castle, the iconic Charles Bridge, the astronomical clock in the Old Town City Hall, and just outside the city, one of the oldest castles in the world, Karlstejn Castle, built in 1348.

There will also be a tour to the Jewish Quarter and the Franz Kafka Museum, and of course, a visit to Prague would not be complete without going to the U Fleku Brewery – a place of pilgrimage for beer fans that dates back to the 15<sup>th</sup> century.





# Speakers

at the Open General Meetings on Thursday 22 and Friday 23 September



## **Challenges and Opportunities for Hydrogen Transportation in Existing Pipeline Systems**

**Paolo Farinelli**, Manager of Engineering / R&D, Techfem S.p.A.

Paolo has experience in loss prevention, is an HSE design specialist and has been awarded the title of TUV Functional Safety Engineer, Safety Instrument Systems. He initially joined Techfem in 1998 as a junior process engineer.



## **Global Pipeline Construction Outlook**

**Andy McDowell**, Vice President & Publisher, Pipeline & Gas Journal

Andy is Vice President of Upstream & Midstream at Gulf Energy Information, with over 14 years' experience in business-to-business oil and gas media. In addition to all upstream and midstream digital media and events for the company, his responsibilities include the management and publication of leading technical journals: World Oil, Pipeline & Gas Journal and Pipeline News.



## **Advancing Sustainability and Safety**

**Perry Redman**, Manager Corporate Accounts, Caterpillar Inc.

Perry has a 25+ year career with Caterpillar. He has held numerous global product and commercial leadership roles in pipelayer and large track-type tractor engineering, operations, pricing, purchasing, product support, business development and global product strategy.



## **A.Hak Groep B.V. Enters the Guinness Book of World Records**

**Wilko Koop**, Director, A.Hak Groep B.V.

Wilko Koop has over 25 years' experience in providing strategy and leadership for the delivery of pipeline construction and installation projects around the globe, together with experience in complex trenchless (landfall) crossings.



## **New Fuels and Future Changes to Pipeline Networks**

**Katrina Cooper**, Director, RSK Environment Ltd.

Katrina is an environmental planner with 30 years' experience. She has been the lead environmental and social project manager for many major pipeline and other energy projects in the U.K. and abroad. Her recent experience includes preparation of the ESIs for the 1,000 km-long section of the East African crude oil pipeline in Tanzania and the controversial Gas for Gaza pipeline.



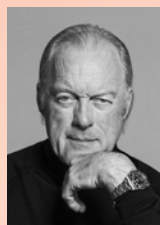
## **CO<sub>2</sub> Emission Reduction**

**Robert Wortelboer**, Associate Partner Climate Change & Sustainability Services, Ernst & Young

Robert provides assurance concerning non-financial information in the annual report of large organisations, such as listed companies and public authorities - whether it concerns non-financial indicators, the entire annual report or, for example, CO<sub>2</sub> emission reports. He has worked at Ernst & Young since 1999.

## **Dreamcutter Technology: a Sustainable Solution for Underground Infrastructure**

Joint presentation by:



**Johan Van Wassenhove**, CEO of Denys N.V.

After a career in the steel construction sector, engineering services and industrial piping, Johan joined Denys in 1988 as Managing Director and in 2021 he was appointed Executive Chairman. He started a growth model based on three pillars: diversification, internationalisation and innovation, covering several disciplines: water, energy, mobility, infrastructure, refurbishment, civil engineering, special techniques and other specialised building techniques.



**Leonhard Weixler**, Executive Director Business Unit - Maritime Technologies, BAUER Maschinen GmbH.

Leonhard started his career as a design engineer (foundation equipment) at BAUER, and then was Head of Design & Development (special applications) in 1995. In 2004, he became the director of the design department, and was appointed to his current position in the diaphragm wall and maritime technologies business unit in 2010.

# Thank you

## to our 2022 Convention Sponsors

IPLOCA is very privileged to be able to count on the support of many of its members, some of whom have been sponsoring the Convention for more than 20 years!

### Platinum Sponsors

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- PipeLine Machinery International
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Sponsorship as of 30 May 2022





# Sponsorship opportunities

at Platinum, Gold and Silver level are still available

As it will have been three years since IPLOCA members have been able to get together, this will be a great 'comeback' Convention, and a unique occasion to showcase your company as the pipeline industry looks towards the future and confronts the exciting challenges of a world in energy transition.

So don't miss out and take advantage of this opportunity to increase your company's visibility before, during, and after this exceptional gathering.

Sponsorship levels are as follows:

<b>Silver</b>	from EUR 3,500
<b>Gold</b>	from EUR 13,000
<b>Platinum</b>	from EUR 25,500 +

For example, why not opt for a 50% co-sponsorship of the IPLOCA Membership Buffet Lunch at EUR 8,000, where the sponsors' logos are projected at regular intervals on a screen during the event, as well as on signage at the entrance to the room. Or, a 50% co-sponsorship of the Final Banquet Cocktails at EUR 15,000 which entitles the sponsor to a complimentary convention registration fee and an invitation to the exclusive President's Dinner, in addition to the logo visibility.

Please contact [caroline.green@iploca.com](mailto:caroline.green@iploca.com) for more information.





# Nominations

## to the 2022-2023 IPLOCA Board of Directors



Every year, usually at our Annual Convention, the Board of Directors is renewed by the incorporation of new members. As per the IPLOCA By-laws the term of office is up to two years for those seats that are not for appointed or “at-large” directors.

### Vacant Seats

We are looking for candidates who would like to serve on the IPLOCA Board of Directors. Executives who are nominated can also volunteer to sit on one of IPLOCA's committees or projects as necessary. Ten seats are becoming vacant by the end of September 2022:

**1 seat in Middle East & Africa**

[www.iploca.com/middleeastandafrica](http://www.iploca.com/middleeastandafrica)

**1 seat in America North**

[www.iploca.com/americanorth](http://www.iploca.com/americanorth)

**1 seat in Latin America**

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**1 seat in Europe Central**

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**2 seats in Europe Eastern**

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**1 seat in Europe Northwest**

[www.iploca.com/europenorthwest](http://www.iploca.com/europenorthwest)

**1 seat in Europe Mediterranean**

[www.iploca.com/europemediterranean](http://www.iploca.com/europemediterranean)

**2 seats representing the Associate Members**

[www.iploca.com/associatemembers](http://www.iploca.com/associatemembers)

If you are an owner or a senior executive of a member company and would like to be considered for a vacant seat on the IPLOCA Board of Directors, please review the [Duties and Commitments of Board Members](#). An application form, complete with a brief résumé and a photograph should be sent no later than 22 August 2022, to the IPLOCA Executive

Secretary, [juan.arzuaga@iploca.com](mailto:juan.arzuaga@iploca.com). Nominated Board Directors serve a two-year term commencing after the approval of the results at the Annual General Meeting (AGM), taking place on Friday, **23 September**, in Prague.

Further information on vacant seats for the 2022-2023 IPLOCA Board of Directors is available on our website: [www.iploca.com/about-us/board-of-directors/vacant-seats-september-2022](http://www.iploca.com/about-us/board-of-directors/vacant-seats-september-2022).

### Voting at Regular or Associate Member Meetings

Each member company is entitled to one vote. If no-one from your company is able to attend the Regular or Associate Member meeting in order to vote, one vote per member company may be made on a proxy form (also available on the website) and must be received by the Executive Secretary ([juan.arzuaga@iploca.com](mailto:juan.arzuaga@iploca.com)) in the IPLOCA Secretariat, no later than Tuesday, **23 August 2022** in order to be counted. Any questions regarding the nomination procedure can be addressed to the IPLOCA Executive Secretary.

**In accordance with the Association's current By-laws (effective as of 30 September 2017), the 2022-2023 IPLOCA Board of Directors may consist of a minimum of 12 and a maximum of 24 directors as follows:**

1. Up to fifteen directors representing Regular Members (one or two directors for each of the 8 geographic regions as per the current membership), elected by the Regular Members
2. Three directors elected by and representing the Associate Members of the Association
3. Up to five Directors-at-Large make up the remainder of the Board, and are appointed each year by the Board of Directors at its first meeting. The Directors-at-Large are nominated by the Executive Committee and appointed following the approval of the full Board. They are selected based on their active involvement and engagement in the work of the Association, including any committee work, to capitalise on their knowledge and ensure the continuity of leadership in certain areas.
4. Out of this group of directors, five officers collectively form the Executive Committee. These are the President, 1<sup>st</sup> Vice President, 2<sup>nd</sup> Vice President, the Treasurer and the Immediate Past President. Officers are directors of the Board and represent Regular Members.



# IPLOCA Board of Directors 2021-2022

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**SEPCON**  
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**EXECUTIVE SECRETARY**  
**Juan Arzuaga**

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(standing down)



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**A.Hak Groep B.V.**  
Director, Europe Northwest



**Andrew Stuart**  
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**Virendra Varshney**  
**Kalpataru Power Transmission Limited**  
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**Ma Chungqing**  
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Director, East & Far East



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**John Tikkanen**  
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**Christophe Dugail\***  
**SPAC**  
Director, Europe Mediterranean



**Najib Khoury**  
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**Bobby Poteete**  
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\* appointed by the Board of Directors

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**Roger Spee**  
**CRC-Evans Pipeline International**  
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Project Lead



**Tim Zboya**  
**Bechtel Pipeline**



**The deadline for applications to IPLOCA's 7<sup>th</sup> Scholarship Programme was extended to early April and attracted 91 completed applications from 19 different countries.**

Over the last few years, it has become clear that, although the programme was developed for the benefit of all IPLOCA's member companies, the application process and criteria tend to attract more North American applicants, which constituted over 50% this year.

In order to preserve the international nature of the programme, Scholarship Management Services, a division of Scholarship America, who administers the programme on behalf of IPLOCA, ranks the applicants and then, as far as possible, two highest ranking applicants are selected from Regular Members in each IPLOCA Geographic Region, and four are chosen from Associate Members.

The number of applicants from outside the U.S.A. and Canada, however, is particularly low this year. The 2022 scholarship recipients will be published in the September edition of this newsletter.

The IPLOCA Board of Directors will decide on the future of the Scholarship Programme at their June meeting. The contract established with Scholarship America comes to an end in 2022, and it looks unlikely that IPLOCA will be able to continue funding this programme. Alternative sources of funding need to be found, and the programme may need to change form.

Should your company be interested in making a contribution, or sponsoring a scholarship in the future, please contact Kelly Osborn ([kosborn@uspipeline.com](mailto:kosborn@uspipeline.com)).

## IPLOCA Media Partners

Editorial opportunities are available for IPLOCA Members. Contact: [jacqueline.tempel@iploca.com](mailto:jacqueline.tempel@iploca.com).

### BENJAMIN MEDIA

**Trenchless Technology  
North American Oil & Gas Pipelines**

10050 Brecksville Road  
Brecksville, OH 44141  
U.S.A.

**T** +1 330 467 7588

**E** [info@benjaminmedia.com](mailto:info@benjaminmedia.com)  
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[www.napipelines.com](http://www.napipelines.com)

Rob Krzys

**President & Publisher**

**E** [robk@benjaminmedia.com](mailto:robk@benjaminmedia.com)

Bernard P. Krzys

**Chief Executive Officer & Publisher**

**E** [bkrzys@benjaminmedia.com](mailto:bkrzys@benjaminmedia.com)

### GULF ENERGY INFORMATION

**Pipeline & Gas Journal  
Underground Construction**

2 Greenway Plaza, Suite 1020  
Houston, TX 77046  
U.S.A.

**T** +1 713 520 4471

#### European Headquarters

14 Gray's Inn Road  
London WC1X 8HN  
U.K.

[www.pgjonline.com](http://www.pgjonline.com)

[www.ucononline.com](http://www.ucononline.com)

John Royall

**President & CEO**

**E** [john.royall@gulfenergyinfo.com](mailto:john.royall@gulfenergyinfo.com)

Andy McDowell

**Vice President, Upstream & Midstream**

**E** [andy.mcdowell@gulfenergyinfo.com](mailto:andy.mcdowell@gulfenergyinfo.com)

### PALLADIAN PUBLICATIONS

**World Pipelines**

15 South Street  
Farnham GU9 7QU  
Surrey  
U.K.

**T** +44 1252 718 999

**E** [mail@palladian-publications.com](mailto:mail@palladian-publications.com)  
[www.worldpipelines.com](http://www.worldpipelines.com)

Rod Hardy

**Director**

**E** [rod.hardy@worldpipelines.com](mailto:rod.hardy@worldpipelines.com)

Chris Lethbridge

**Advertisement Manager**

**E** [chris.lethbridge@worldpipelines.com](mailto:chris.lethbridge@worldpipelines.com)

Elizabeth Corner

**Editor**

**E** [elizabeth.corner@worldpipelines.com](mailto:elizabeth.corner@worldpipelines.com)



# Upcoming Events

2022

As the situation continues to evolve concerning the sanitary crisis in each country, we recommend you check individual websites to ensure an event is taking place.

## Hannover Messe

30 May - 2 June – Hannover, Germany  
[www.hannovermesse.de](http://www.hannovermesse.de)

## Pipeline & Gas Expo

8-10 June – Piacenza, Italy  
[www.pipeline-gasexpo.it/en](http://www.pipeline-gasexpo.it/en)

## Offshore Pipeline Technology Conference (OPT)

21-22 June – Amsterdam, The Netherlands  
[informaconnect.com/offshore-pipeline-technology](http://informaconnect.com/offshore-pipeline-technology)

## Gastech Exhibition and Conference 2022

5-8 September – Milan, Italy  
[www.gastechevent.com](http://www.gastechevent.com)

## IPLOCA 54<sup>th</sup> Annual Convention

19-23 September – Prague, Czech Republic  
[www.iploca.com/events/annual-convention](http://www.iploca.com/events/annual-convention)



## Subsea Pipeline Technology Congress (SPT 2022)

22-23 September – London, U.K.  
[www.sptcongress.com](http://www.sptcongress.com)

## APGA Convention and Exhibition

24-27 September – Brisbane, Australia  
[www.apga.org.au](http://www.apga.org.au)

## 10<sup>th</sup> Annual Global EPC Project Management Summit

28 - 30 September – London, U.K.  
[www.opexgrp.com/upcoming-events.aspx](http://www.opexgrp.com/upcoming-events.aspx)

## IPLOCA HSE & CSR Workshop

18 October – Barcelona, Spain  
[www.iploca.com](http://www.iploca.com)



## IPLOCA Novel Construction Session

19-20 October – Barcelona, Spain  
[www.iploca.com](http://www.iploca.com)



## ADIPEC

31 October - 3 November – Abu Dhabi, U.A.E.  
[www.adipec.com](http://www.adipec.com)

## Pipeline Leadership Conference

15-16 November – Houston, TX, U.S.A.  
[www.plconference.com](http://www.plconference.com)

## Asian Downstream Summit

26-27 October – Singapore  
[www.asiandownstreaminsights.com](http://www.asiandownstreaminsights.com)

## Important IPLOCA Deadlines

### 2022 IPLOCA Environmental Award

3 June – New deadline for submissions

### 2022 IPLOCA Excellence in Project Execution Award

10 June – New deadline for submissions

### Member News for IPLOCA September Newsletter

29 July – Deadline for submissions  
[newsletter@iploca.com](mailto:newsletter@iploca.com)

### Proxy Voting Forms for Regular or Associate Member Meetings

23 August - Deadline for submissions  
[juan.arzuaga@iploca.com](mailto:juan.arzuaga@iploca.com)

### Candidates for Nominations to IPLOCA Board of Directors

25 August – Deadline for applications  
[juan.arzuaga@iploca.com](mailto:juan.arzuaga@iploca.com)

### Member News for IPLOCA December Newsletter

31 October – Deadline for submissions  
[newsletter@iploca.com](mailto:newsletter@iploca.com)



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## CONTACT US

USA: +1-713-939-0007  
Canada: +1-780-377-0336  
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Netherlands: +1-31-70-353-8279  
Australia: +1-61-7-4691-2120  
[www.plmcat.com](http://www.plmcat.com)