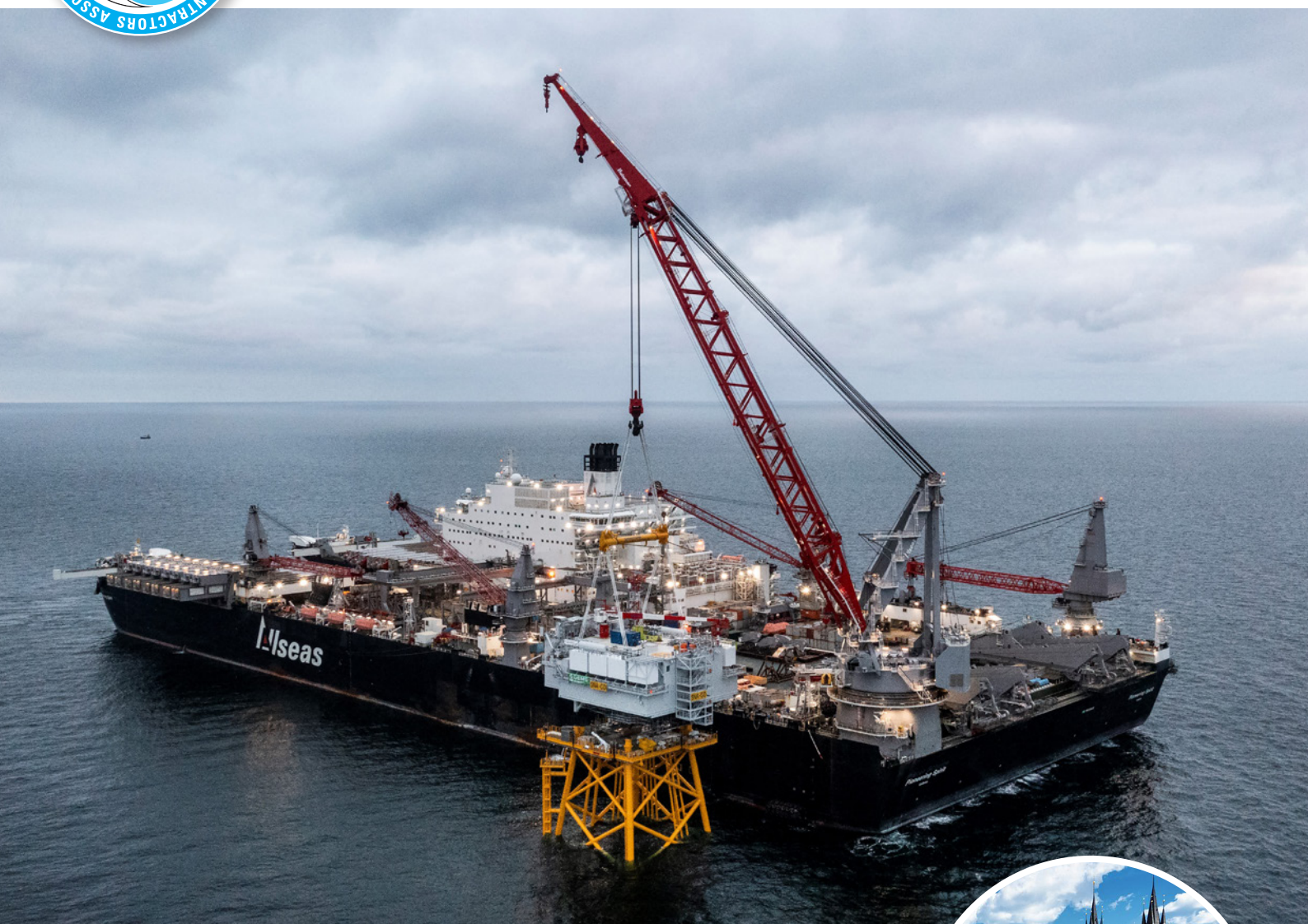




# THE IPLOCA NEWSLETTER

MARCH 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**

[listing@iploca-yearbook.com](mailto:listing@iploca-yearbook.com)



## Letter from the President

**The IPLOCA Secretariat and Board of Directors are excited about starting to meet up again face-to-face, and once more organising events when we can exchange directly with our peers; what a pleasure it is to work together in each other's presence!**

Details for the coming year are outlined in this newsletter, including important deadlines, such as the due dates for submissions of your HSE statistics, and for the IPLOCA awards. As a reminder, the submission of HSE statistics is an obligation for Regular Members. We also welcome statistics from our Associate Members who have field construction activities. The online form is available at [www.iploca.com/news-media/hse-statistics](http://www.iploca.com/news-media/hse-statistics) along with guidelines and translations to assist you.

We understand that in order to better serve our current members, and to continue to attract new companies, our Association needs to follow the world's energy trends in developing and sharing best practices in the use of alternative energies. To this end, an Energy Transition Group has been created, led by Andy Ball from J. Murphy & Sons. Also, an article on carbon footprinting and its calculation is included in this publication, courtesy of RSK Group Ltd.

Regional Meetings are once again being planned, starting with Europe Eastern in Baku, Azerbaijan in March, followed by Europe Mediterranean in Paris, France in April and, to finish the year, the Latin America region, in Santa Cruz, Bolivia. Further details may be found on our website as dates approach, and will be emailed to company representatives in their particular region.

Following a productive Fall Session in Athens, the Novel Construction Spring Session will be held in Paris from 27 to 28 April, immediately after the Regional Meeting and will include presentations on innovative developments, plus "The Road to Success" group work sessions and group presentations. For further information on this event or should you be interested in presenting, please refer to page 18 of this newsletter.

Those members wishing to make a submission for the IPLOCA awards, please go to page 19. Three awards will be presented for 2022: the IPLOCA Health & Safety Award sponsored by TC Energy, the IPLOCA Environmental Award sponsored by Shell and the IPLOCA Excellence in Project Execution Award. A new Quality Award is currently being elaborated for 2023.

We are particularly delighted to say that, after a two-year break, our 54<sup>th</sup> Annual Convention is planned to take place in Prague from 19 to 23 September. Spread the word! Make sure you have blocked the dates in your diary and note that registration will open on 4 April, which is earlier than usual. You will find more details about the Convention on pages 20 and 21, including highlights of the programme and sponsorship opportunities.

With best regards,

**Gonzalo Montenegro**

IPLOCA President 2021-2022



# News from Geneva

## IPLOCA Social Media Activity in 2021

**LinkedIn:** IPLOCA went from 5220 to 6000 followers in one year which represents another 15% increase. Since March 2021, we posted 40 times, with a total of approximately 110,000 views. IPLOCA's profile attracted more than 1400 unique visitors throughout the year. The most popular post, with more than 7000 views and 120 likes, was our congratulations to IPLOCA members, SICIM S.p.A., Precision Pipeline and Max Streicher GmbH on winning the 2021 IPLOCA Awards.

**Twitter:** IPLOCA reached a total of 75 followers which constitutes an excellent 30% increase on the previous year.

**Instagram:** We posted 40 times and as a result gained 81 new followers in one year which represents an impressive 60% increase compared to 2020.



## Membership Certificates

**Membership certificates were mailed out end of February to paid-up members.**

For those members who have not yet paid their fees for 2022, we kindly ask you to do so as soon as possible. If you are the designated IPLOCA Key Representative for your company and you have not yet received your certificate please contact [sebastien.goetschmann@iploca.com](mailto:sebastien.goetschmann@iploca.com).

To conclude the year, we had put together a 'Year in Review' video which was seen more than 150 times on [YouTube](#).

## European Board Directors Visit IPLOCA Secretariat

Fortunately COVID restrictions in Switzerland were lifted early February, allowing the Secretariat to return to work at the IPLOCA office, in time to receive a visit on 9 February from Wilko Koop of A.Hak Groep B.V., Gerben Wansink of Maats B.V., and Adam Wynne Hughes of PIH Ltd., who is also IPLOCA Treasurer. Discussions covered the different improvements and developments made as part of the

Implementation Grid defined by the Strategic Review launched in 2020: with regards to the IPLOCA website, the online membership directory and database, the Road to Success app and collaborative platform, the Technology Catalogue, the invoicing system, online dashboard and social media.

An update on the Prague Convention was also discussed, in addition to early planning of conventions, and the creation of a promotional video.

## IPLOCA Webinars

We are pleased to announce that, once again, a number of IPLOCA webinars are planned during the coming months.



Ashley Wood, Director, Osborn U.K., an Associate Member, will present on **10 March** on how to select the best product for weld cleaning and preparation.



Two of our Corresponding Members will offer presentations: on **24 March** (TGN) and on **7 April** (Shell); Wim Guijt, Principal Technical Expert & Global Discipline Lead

Pipelines at Shell, will speak about "Pipelines and the Energy Transition".

So, book these dates in your diary! Information regarding these upcoming webinars will be posted with dates and times on our website. Should you wish to review the presentations and/or the recordings of any of our previous webinars, please go to [www.iploca.com/webinar](http://www.iploca.com/webinar).

The webinars last approximately 30 minutes and include a 20 minute presentation followed by 10 minutes of question time. No registration is needed as members can join the webinars via the Zoom video & audio conference link posted.

If you have an interesting subject you would like to share with members, please contact [jacqueline.tempel@iploca.com](mailto:jacqueline.tempel@iploca.com).

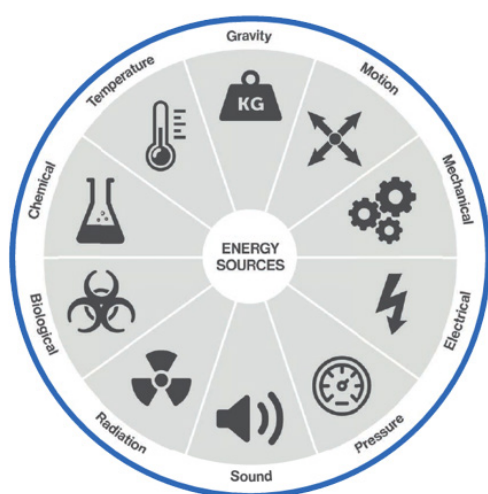
# Board Meeting Update

## Valetta, Malta

The following summarises the main discussions and outcomes of the December 2021 Board Meeting. When the President, Gonzalo Montenegro, opened the session he mentioned what a pleasure it was to be able to meet up again in person.

### Safety Moment

Bruno Pomaré presented the Hazard Identification Energy Wheel, which identifies hazards (about 55%) that the brain does not naturally recognise. Motion hazards, which constitute about 45 % of hazards, are instinctively identified by the brain. Hazard recognition blind spots are consistent and predictable, regardless of trade, experience or education. Hazards that are easily identified are gravity and motion and require comparatively low cognitive effort. The hazards that are most often missed are mechanical, pressure and chemical, and require a relatively high cognitive effort. Field experiments showed that use of the Energy Wheel improves hazard recognition by approximately 30%. The Energy Wheel is effective as it provides a simple set of reminders to identify hazards that are commonly overlooked.



The above Hazard Identification Energy Wheel, as presented during the 2021 HSE & CSR Workshop, can be downloaded from the IPLOCA website: [www.iploca.com/event/2021-hse-csr-workshop](http://www.iploca.com/event/2021-hse-csr-workshop)

### HSE & CSR Committee

Bruno Pomaré, HSE & CSR Committee Chair, presented the committee's report. The HSE & CSR Committee meets every two months to review different initiatives. The team is currently comprised of safety professionals with the exception of Bruno Pomaré (Spiecapag) and Terrie Steves (TC Energy). The committee is now reviewing how safety is considered and implemented in companies amongst

employees who are not safety professionals. Bruno would, therefore, like to enlarge the committee to include professionals who are not specialised in safety and in turn encourage safety training throughout organisations.

It was decided that, in the future, the HSE & CSR Workshop and the Novel Construction Session will be held as one event with an integrated agenda so that participants will automatically be signed up to attend both events. This decision is in alignment with sustainability and the need for everyone to comply and be educated in health & safety in the workplace. Bruno communicated that he had received positive feedback regarding the organisation of the H&S and Novel Construction sessions that took place in Athens, Greece in October. He congratulated the Secretariat for their work. For the HSE workshop, presentations were held in the morning and a workshop dedicated to 'Fatigue Management' took place in the afternoon. Bruno pointed out that years ago 'fatigue' was not taken into consideration in the workplace. SICIM provided 30 documents devoted to this subject to be consulted on the HSE Shared Experiences Platform.

Since the oil & gas sector's reputation is presented negatively due to global warming, it is important for the Association to address the problem of carbon capture and carbon footprinting, as pipelines are still being built around the globe. Additionally, the subjects of social responsibility and community care are equally important and need to be stipulated in the Association's values. The next step will be to educate members on how they can become greener and for IPLOCA to create a benchmark for members to be able to self-evaluate. It would be ideal if members could share their approaches to this change in mentality and how they are implementing these changes in their companies. It was agreed to include an article on this topic in the March edition of the IPLOCA Newsletter. The HSE & CSR Committee will also work and coordinate with the 'Energy Transition Group'.

Bruno Pomaré went on to say that unfortunately seven fatalities were registered in 2020. This is an increase compared to recent years. Some of the statistics provide the whole timeline and actions leading up to incidents. This enables others to analyse and learn from the event. When a fatality occurs a full report and analysis is always required.

### IPLOCA Awards

TC Energy has suggested, and agreed to sponsor, a Quality Award; it was noted that the eligibility for such an award and its guidelines will need to be clearly defined. It was proposed that IPLOCA presents each and every award on an annual basis. A final decision in this regard will be made at the March 2022 Board Meeting after further evaluation by members of the HSE & CSR Committee.

## New IPLOCA Working Group as World Targets Net-zero Carbon Emissions by 2050

In December 2015, at Climate Change Conference COP 21 in Paris, an international agreement was signed with the target of limiting global warming by the end of this century to below 2°C compared with pre-industrial levels and preferably limiting it to 1.5°C. In November 2021, at COP26 in Glasgow, the above agreement was confirmed with the commitment to achieve carbon neutrality by 2050.

In support of these landmark commitments, the IPLOCA Board is delighted to announce that it has recently established a new working group, named the “Energy Transition Group”, to ensure IPLOCA stays at the forefront of the energy transition transformation and is regarded as a progressive, sustainable association.

To this end, IPLOCA aims to support its membership in embracing alternative energy solutions, key technologies, environmental and social governance measures in the energy sector and in communities in which our members operate. The objective is to provide a centre of excellence that is focused on the

development of decarbonisation and low carbon energy systems, together with a net-zero construction ambition. The Group aims to be an international facilitator bringing together clients and members to harness, develop and share best practice in the safe use and deployment of alternative energies, such as hydrogen, carbon capture utilisation & storage and associated technologies; also, to share industry best practice in net-zero construction and promote the highest standards in green credentials & accountability for the benefit of our members.

### Key areas of focus

- International government regulation and policy
- Specifications, standards and materials
- Technologies, research and development
- Skills development and education
- Plant and equipment
- Net-zero construction
- Green credentials and accountability
- Focused workshops and webinars

For further information, or if you are interested in joining this working group, please contact Andy Ball, J. Murphy & Sons Ltd. [andrewball@murphygroup.co.uk](mailto:andrewball@murphygroup.co.uk).

## Innovation Committee

Gerben Wansink, Innovation Committee Chair, presented the committee's report. He reported a good attendance at the Novel Construction Session in Athens, Greece in October. All participants were pleased to once again be able to meet up in person. The next session is planned to take place in Paris, France from 27 to 28 April 2022, and the HSE & CSR Committee will hold their meeting on 26 April.

The Road to Success app has been upgraded and all members should have received an alert. Some new chapters have been added and some edits have been made. New chapters regarding offshore activities and hydrogen will be worked on in the coming months.

The Technology Catalogue continues to see an increase in entries from IPLOCA members. It was recommended that all members upload all of their services and capabilities so that customers are able to connect with the right providers easily. This app makes it easy to find industry services and is comparable to apps used for booking restaurants. Should any problems be encountered with regards to the app, members can contact Gregoire de Montmollin, [gregoiredemontmollin@iploca.com](mailto:gregoiredemontmollin@iploca.com).

It was discussed and agreed that a “Promotional Video” would be a dynamic and effective tool to help present and describe the role of the Association and be used when board directors contact potential new members. A new video will be produced in the coming months.

## Hydrogen Sub-committee Renamed Energy Transition Group

Andy Ball, Chairman of the Hydrogen Sub-committee, presented his first report. He started by proposing to change the name of the committee to the Energy Transition Group, which was approved. He went on to explain that to be in-line with the changes taking place in the energy sector, IPLOCA will need to consider changing its logo. It was noted that Corresponding Members are changing their logos to reflect a greener image. Ideas for a greener and more modern IPLOCA logo will be presented at the March 2022 Board Meeting. In the U.K., the subject of ‘carbon capture’ is a hot topic and frequently companies and associations are holding webinars on the subject. IPLOCA needs to look at how other associations are dealing with this subject and align with current trends. The Group plans to create a centre of excellence that is focused on the world's energy transition and net zero construction ambition. The idea is to develop and



share best practices in the safe use and deployment of alternative energy such as hydrogen, carbon capture utilisation & storage, and associated technologies to share industry best practice in net zero construction and green credentials and accountability for the benefit of members (see Group description on previous page). Andy went on to present the U.K. Hydrogen Roadmap to 2050 and presented slides showing the U.N. sustainable development goals and the signification of ESG (Environmental, Social and Governance).

## Scholarship Project

Kelly Osborn, Scholarship Project Lead presented the project update. It was noted that last year 128 scholarship applications were received once the deadline for receipt had been extended to April 28. It was decided to keep the April deadline also for 2022. The subject of how to fund the scholarships is still pending and all Board Directors are invited to provide suggestions. IPLOCA will not be able to continue funding the scholarships indefinitely. Kelly Osborn presented the video of the scholarship winners giving thanks to IPLOCA for their 2021 scholarship awards.

## Treasurer's Report

Adam Wynne Hughes presented the Treasurer's Report for the last quarter. During 2021, COVID-19 had continued to affect the activities of the Association and the economic outlook is still uncertain. The Annual Convention has been postponed for two years in a row and fortunately the Prague Hilton has agreed to roll over the event each time.

The quarterly report is split into 3 categories:

- **Operations** – income generated from membership fees, sponsorships and other, and expenses generated by the running of the Secretariat, Regional Meetings and board meetings
- **Initiatives** – sponsorship of the scholarships and expenses related to the committees and other initiatives
- **Convention** – income generated from the convention registration fees, sponsorship and others. Expenses related to the convention.

Adam explained that costs were down as only one board meeting had been held in 2021 and no Regional Meetings were held. With regards to initiatives, the HSE Workshop and the Novel Construction Session held in Athens in October had generated costs along with the cost of funding the scholarships. No sponsorship for the 2022 scholarships has been received so far this year. Overall the Association's accounts are still positive despite not having had any income generated by the Annual Convention. It was noted that there is an important decrease in funds. It was stated that the scholarships have created a significant

cost for the Association. Additionally, there have been costs related to the new database, new website and the strategic plan. It was noted that if the Association is able to hold three successful consecutive Annual Conventions, it should be able to increase its funds back to the amount registered for 2017.

The 2022 budget is based on a good attendance at the Convention in Prague with 250 attendees paying EUR 1,950 each. Sponsorship for the Annual Convention was launched earlier than usual and to date only one major sponsor had to confirm their participation. Approximately EUR 365,000 had been confirmed and EUR 210,000 was still outstanding. The budget for 2022 was approved by the Board.

## Membership

In the absence of Bill Solomon, Membership Committee Chair, Vladilen Ermolin presented the committee's report. IPLOCA's total membership of 222 companies includes 78 Regular Members, 106 Associate Members and 29 Corresponding Members. Currently the Membership Manager is in contact with 26 potential new members and support from the Board Directors in encouraging these companies to join was requested.

The following companies have sent in their resignations:

- **Borealis Group** - Associate Member
- **Las Montage Holland B.V.** - Associate Member

Membership of the following companies is being terminated for non-payment of 2021 fees:

- **Attila Dogan** - Regular Member
- **Dodsall Group** - Regular Member
- **Valentine Maritime** - Regular Member
- **Pinsent Masons Ltd.** - Associate Member

## Convention

The Board was reminded that the 2022 Annual Convention in Prague will take place from 19 to 23 September. A brief overview of the sponsorship status showed that the majority of the regular sponsors have confirmed their commitment for 2022. A detailed discussion took place regarding how to adapt the week's programme to accommodate, for instance, all the award presentations during the Open General Meetings and when to offer the Presidents' trophies. A list of potential speakers was reviewed and it was agreed that all speakers' presentations will need to be in line with the chosen theme of 'Pipelines Powering a Sustainable Future'.

## Implementation Grid

Juan Arzuaga ran through the November 2021 version of the Implementation Grid and updated the Board on the

progress of the action items. These included:

- The Technology Catalogue is now up and running
- First time attendees PowerPoint for presentation at the Annual Convention – completed
- Joint IPLOCA & PLCA safety event – is planned for 2022
- Social Media plan – has been launched and is ongoing
- Update IPLOCA By-laws, initiated by Adam Wynne Hughes and will be completed in the first half of 2022
- Develop long-term funding for the Scholarships Programme – in progress

## Regional Meetings

A Regional Meeting has been scheduled for Europe Eastern on Wednesday, 16 March 2022 in Baku, Azerbaijan, supported by SOCAR.

Meetings are also planned for Paris, France in April supported by Spiecapag and SPAC, and Santa Cruz de la Sierra, Bolivia, just before the December 2022 board meeting supported by SEPCON.

## IPLOCA By-laws

Adam Wynne Hughes brought to the attention of the Board that since the completed Strategic Review and the impact of the pandemic on the Association's activities, it would be relevant to review the By-laws to check that they still correspond to the Association's needs today. The last time the By-laws were updated was in 2017. Board Directors were requested to send suggested changes to Adam Wynne Hughes by mid-January, with the aim of presenting the updated version during the Annual General Meeting at the 2022 Annual Convention.

## Executive Secretary Replacement for 2023

Juan Arzuaga plans to retire at the end of 2023. The Executive Committee is responsible for finding a replacement and is in the process of compiling recruitment criteria. Once the recruitment process is completed and a candidate has been chosen, the announcement will be made at the 2023 Annual Convention in Vancouver.

# Sister Associations



IPLOCA Executive Secretary, Juan Arzuaga, accompanied by his wife Alejandra, attended the **Distribution Contractors Association's**

61<sup>st</sup> Annual Convention from 17 to 22 February, held in Phoenix, AZ, U.S.A.



They also participated in the **Pipe Line Contractors Association's** 74<sup>th</sup> Annual

Convention, which took place at the same location from 22 to 26 February. The 2021-2022 IPLOCA President had to cancel his travel arrangements after testing positive for COVID when he underwent the obligatory test to travel.



The **Pipeline Industries Guild's** 64<sup>th</sup> Annual National Dinner will be held on 8 March 2022 at the Grosvenor House Hotel, London, U.K.

and will be attended by IPLOCA Executive Secretary, Juan Arzuaga. For information on this and other PIG events please visit [www.pipeguild.com](http://www.pipeguild.com).



The **Pipe Line Contractors Association of Canada's** 68<sup>th</sup> Annual Convention is scheduled

to take place from 2 to 6 May at the Hyatt Regency Maui Resort and Spa in Hawaii. For further details and to review other PLCAC events, visit their website: [www.pipeline.ca](http://www.pipeline.ca).



WFPIA meeting at PLCA Convention: Neil Waugh (PLCAC), Kevin Parker (DCA), Rob Darden (DCA), Dwayne Osadchuk (PLCA), Juan Arzuaga (IPLOCA), Elizabeth Worrell (PLCA), Kelly Osborn (IPLOCA)



The **Australian Pipelines and Gas Association** has planned a full schedule of events this year, including the APGA Annual Convention

and Exhibition from 24 to 27 September at the Brisbane Convention and Exhibition Centre; the theme is Connect, Share, Discover. Check [www.apga.org.au/events](http://www.apga.org.au/events) for further details of face-to-face and virtual events.



The **International Marine Contractors Association** organises a regular programme of meetings and events all over the world including regional meetings.

# Membership Centre

## New Associate Member



Specialised in quality, safety, welding and technical assistance in pressurised installations, **LOGIC** supports its customers in the realisation of their

projects. From studies to commissioning, their expertise offers proficiency of traceability, and technical and regulatory compliance of structures.

Attentive to innovate by reducing the environmental footprint of construction sites and increase safety, their digital construction monitoring application ensures fluidity, responsiveness, and compliance.

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[www.logic-sas.com](http://www.logic-sas.com)

## New Academic Member



CENTER FOR MIDSTREAM  
MANAGEMENT & SCIENCE

**LAMAR UNIVERSITY**

The **Center for  
Midstream Management  
and Science (CMMS)**

was established in 2019 at Lamar University (est. 1923) in Beaumont, Texas to bridge faculty research capabilities and students to the midstream industry. CMMS promotes educational programmes and outreach intended to introduce students to the midstream sector. The Center also funds seed capital for practical research by faculty primarily related to leak detection and monitoring; big data, AI applications, and predictive maintenance; corrosion detection and monitoring; and, resilience and reliability. CMMS also addresses issues facing the midstream sector and seeks to act as a clearing house for midstream technological advances.

### Center for Midstream Management and Science

Lamar University  
4400 MLK Blvd., Beaumont, TX 77710  
U.S.A.  
T +1 409 880 7097  
[gbelaire@lamar.edu](mailto:gbelaire@lamar.edu)  
[www.lamar.edu/midstreamcenter](http://www.lamar.edu/midstreamcenter)

## Member News



### A.Hak Awarded Pipeline Rerouting Project in U.K.

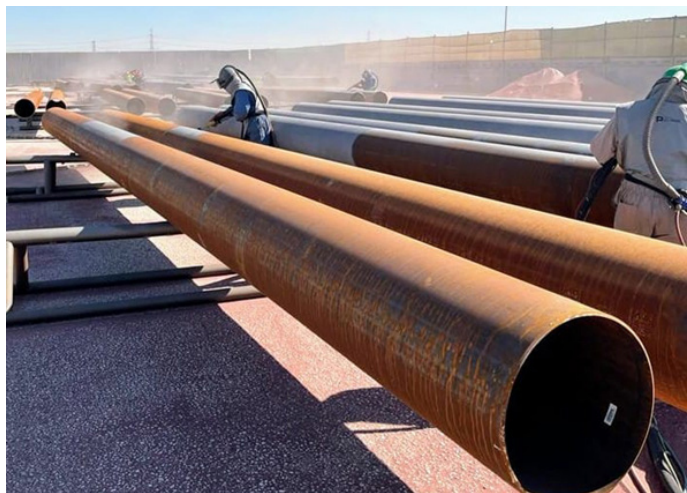
After the successful completion of the Guinness Book of Records winning Humber Tunnel Pipeline project, A.Hak extends its relationship with the National Grid in securing a new project in the U.K. This is awarded to A.Hak as part of a multi-year existing framework

and its aim is to clear the way for a new infrastructural multibillion high speed rail connections project. A.Hak will divert a 42" high pressure pipeline.

### The C.A.T. Group Wins Gas Contract & Advances in Renewables Sector

APQ, a joint venture composed of Air Products, a world leader in the development and operation of the world's largest industrial gas projects, and Qudra Energy, the Saudi renewable energy group, has awarded the C.A.T. Group (C.A.T.) with the pipeline construction for industrial gases in Jubail City. The contract includes three main pipelines ( $H_2$ ,  $O_2$  and  $N_2$ ), a natural gas pipeline and custody metering skid. The Jubail Industrial Gases Hub (IGH) will be owned and operated by APQ. The development of this infrastructure will serve the industrial companies in the Eastern Province of Saudi Arabia. With its strategic involvement in supporting the production and supply of hydrogen,





C.A.T. is advancing its sustainability goals and enabling future low-carbon economies. Furthermore, C.A.T. is actively implementing sustainable energy solutions in its operations and for its clients and aiming to reduce carbon emissions in its operations and the operations of its clients' oilfields. C.A.T. is proud to have been awarded an EPC contract for a 1.2MW rooftop solar PV plant in Dubai, UAE.

### Caterpillar Presentation to IPLOCA Past President

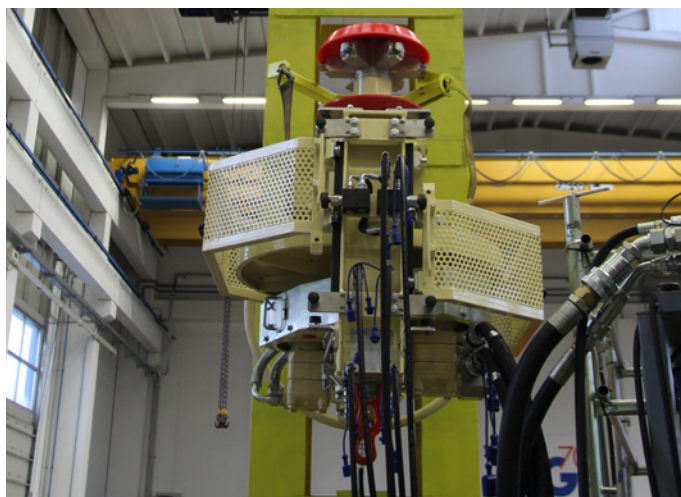
During a private celebration in Moscow on 25 January, 2022, Caterpillar is proud to have presented Iosif Panchak, IPLOCA Past President 2019-2020, with a symbol of their appreciation and sincere gratitude for leading IPLOCA and for his contribution to the pipeline industry. Normally, this gift is awarded every year to the out-going President at the IPLOCA Annual Convention during the Caterpillar-sponsored evening, but these are not normal times.



From left to right: Mikhail Zubkov, Caterpillar Eurasia Pipeline Account Manager; Yury Yurkevich, Caterpillar Eurasia Paving Manager; Iosif Panchak, Deputy General Director J&S Welding & Building Co.; and Alexander Shishaken, Caterpillar's Eurasia Region Manager.

### Goriziane's 500<sup>th</sup> Pipe Facing Machine: Vertical PFM

Last year, Goriziane E&C S.p.A. designed and manufactured its 500<sup>th</sup> Pipe Facing Machine (PFM) – a Vertical Pipe Facing Machine (JF1), which is used for a J-Lay tower on deep water pipeline installations. It bevels both sides of the pipe string in both an inclined and vertical position. Regarding pipeline equipment, Goriziane is specialised in the design and manufacture of PFMs, along with Hydraulic Power Units (HPU), Internal Line-Up Clamps (ILC), Pipe Bending Machines (PBM), and Hydraulic Mandrels (MIC).



### J. Murphy & Sons Ltd. Wins Tender of Grain LNG 'Capacity 25' Main Site Works



J Murphy & Sons is proud to announce that it has been selected as National Grid Ventures' delivery partner to design and build the 'Main Site Works' workstream of 'Capacity 25', Grain LNG's capital expansion and enhancement project in the U.K. Currently the Grain LNG site can deliver circa 25% of the U.K.'s gas demand and is able to store up to 1 million m<sup>3</sup> of LNG. Following completion of the project, Grain LNG will be capable of meeting around one third of the U.K.'s gas demand.

and storage at the site will increase to 1.2 million m<sup>3</sup>. This expansion will be achieved primarily through the installation of three boil off gas compressors along with the installation of a new local equipment room; two new submerged combustion vaporisers; and, two new export tank pumps. The competitive tender process ran from March to late September before Murphy was appointed preferred bidder in October, with contract award and contract start in November 2021. The Main Site Works project will take place in parallel to the construction of the additional LNG storage tank project, with commissioning in early 2025 and will be ready to accept and process the additional LNG capacity from mid-2025.

### Liebherr Machinery Assistance Systems

Pipe layers and earthmoving equipment rely on latest assistance systems that enhance safety and productivity. Assistance technologies play a key role on modern oil and gas construction sites, as the applied machinery moves heavy loads on different kinds of terrain, often in changing weather conditions. Liebherr steps up to this challenge with pipe layers that are equipped with the latest safety features – like the fully integrated Load Moment Limitation system. Another important milestone for increased productivity and planning capability of the Oil and Gas Site 4.0 is the introduction of generation 8 dozers. Equipped with three levels of operator assistance systems, Liebherr dozers optimise the entire site process from preparation up to completion.

“Free Grade” provides operators with active blade stabilisation when grading surfaces, ramps or embankments and delivers real-time information on longitudinal and transverse inclinations. Within level 2, “Definition Grade” allows for modelling of a 2D surface without a rotating laser. An optional roof-mounted Topcon 3D solution can be fitted and delivered fully calibrated ex-works. Alternatively pre-installed “Ready Kits” for Trimble and Leica systems are available.



### Lincoln Electric's Next-Gen Welder Delivers Welding Innovation to Pipelines

Introducing the new Frontier™ 400X Pipe diesel engine driven welder/generator, Lincoln Electric's next generation machine delivers welding innovation to the pipeline spread. With an industry-first 7 inch (17.5 cm), field-tested and impacted-rated digital display, the Frontier 400X Pipe is the new benchmark of machine control – including digital process set up, memory presets, maintenance reminders, and optional security PIN. The all-new Frontier 400X Pipe also comes embedded with DigFX™ technology, a Lincoln Electric innovation that provides the classic DC-generator arc characteristic that pipeline welders know, with the added ability to fine-tune the arc to adapt to user preference or application needs.



In addition, the Frontier 400X Pipe delivers true multi-process capabilities to the pipeline – allowing operators to use one machine for SMAW (Shielded Metal Arc Welding), DC TIG (Tungsten Inert Gas), and Carbon-Arc Gouging, along with direct connections for GMAW (Gas Metal Arc Welding) and FCAW (Flux Cored Arc Welding) wire feeders and mechanised orbital equipment. The Frontier 400X Pipe also delivers the latest advancements in operator-focused technology, including CrossLinc® Technology for superior at-the-arc welding control, embedded Auto-Stop/Start Technology to help reduce fuel costs and engine wear, and 11kW of 1/3 phase auxiliary power to run whatever tools are needed on the jobsite.

### Seal For Life Canusa Products Providing Pipeline Protection in Australia

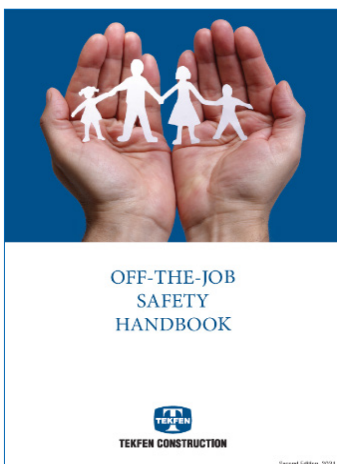
Canusa recently secured a major project for the BP Kewdale White-Oil Line (KWOL) Project. Governed and funded by West Australia Public Transport Authority (PTA), the pipelines connect the BP refinery in Kwinana to the ATOM fuel distribution terminal in Kewdale.





The project scope involved full encapsulation of 12" pipe with a composite abrasion resistant overcoat (ARO) for the protection of the dual layer fusion bonded epoxy (DLFBE) mainline coating and high build epoxy (HBE) field joint coatings during the 12 km of HDD construction. HDD construction increases the likelihood and severity of damage to anti-corrosion coatings compared to traditional open-cut construction. Damage can be caused by drilling fluid loss, cuttings in the bore, hole instability, hole misalignment, or improper handling of the pipe during installation. Damage to HDD constructed pipe can be difficult and expensive to repair; it is important that an anti-corrosion coating is sufficiently protected against abrasion, gouging, and impacts. Canusa was pleased to be selected as the provider of choice and to offer HBE-95 and ScarGuard. This project involves more than 11,300 rolls of ScarGuard applied by the contractor, encapsulating approximately 1000 joints. To-date, 75% of the pipeline construction work has been completed with a target completion by early first quarter 2022.

### Tekfen Construction's "Off-the-job Safety" Handbook New Version is Online



different kinds of dangers and risks in our lives out of

Many of us know that the way to keep ourselves safe in our workplaces is to follow our company's regulations at all times. Thus, we can protect ourselves and our colleagues in our workplaces, which can contain many dangers. We, however, only spend a limited time at work. We are faced with

work. According to statistics, non-occupational accidents result in 25% more damage than accidents at workplaces. This data shows that safety awareness outside work is not as strong as it should be. Tekfen Construction developed an "Off-the-job Safety" programme in 2018 to motivate its employees and their families with the aim of ensuring the safety of its employees and their families both at work and outside work, and to raise awareness of this issue. As part of the programme, an "Off-the-job" handbook was prepared and distributed to all Tekfen Construction employees worldwide. The booklet was updated and republished during the COVID-19 pandemic. This second version is dedicated to healthcare workers for their struggle against COVID-19.

### Winn & Coales Acquires FX-70® Structural Piling Repair and Protection System



Winn & Coales International Ltd. has acquired the FX-70® Structural Piling Repair and Protection System from Simpson Strong-Tie. In 2022 Winn & Coales' long-established SeaShield™ Systems will have provided 50 years of pile protection and rehabilitation systems for timber, steel, concrete piles, and marine structures. By adding the FX-70 system to the SeaShield range they are now able to offer clients a one-stop pile protection provider. Since its debut in 1970, the FX-70 system was the first to use a custom-made tongue-and-groove seamed fibreglass jacket with a high-strength, water-resistant repair grout. The system has extensive case histories for timber, steel, and concrete pile applications.

### Xiongggu Electrical Automatic Welding Machine Completes Welding of Langfang Branch Line

Phase I of the Mengxi SNG pipeline project includes three pipelines, one trunk line and two branches, passing through Tianjin city and nine counties in

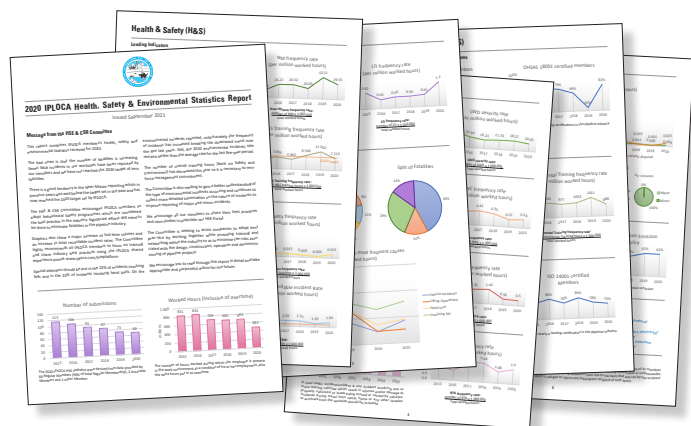


northern China. The pipeline is 366.51km long, crossing large and medium-sized rivers in 35 locations, railways in 9 locations and highways in 51. The pressure of the pipeline is 10MPa and pipe material is L485M. Amongst them, the Langfang branch line starts from Bazhou off load station, with dia. 914mm, 10MPa design pressure and 28.499km in length. A new station (Yongqing off load station) and two monitoring valve chambers are set. Xionggu pipeline automatic machines completed welding of 2010 joints up to the middle of December 2021. Video monitoring and digital management (acquisition and upload of pipe joint temperature and welding data) have been adopted to effectively improve the welding quality and efficiency.



## Health, Safety, the Environment & CSR

### HSE Statistics Required of All Regular Members



**As a condition of membership, Regular Members are required to submit their annual health, safety and environmental statistics to IPLOCA, such that aggregate statistics for the industry can be collected and monitored via the annual statistics report issued in September each year. This information is also welcome from our Associate Members who have field construction activities.**

The online form, along with guidelines and translations in French, Russian and Spanish, are available at [www.iploca.com/news-media/hse-statistics](http://www.iploca.com/news-media/hse-statistics). Returns should cover onshore pipeline construction sites or offshore operations and all infrastructure-related projects. The deadline to submit your 2021 Health, Safety and Environmental Statistics Return is **4 March 2022**. So, if you represent a Regular Member and you have not yet sent in your statistics, please do so immediately.

### Mustafa Aslan

**New Member of the HSE & CSR Committee and Farewell to Dinç Senlier.**



The Committee welcomes its newest member, Mustafa Aslan who is replacing Dinç Senlier, a long-standing member of the Committee to whom much gratitude is owed for his contribution over the years.

Mustafa, a mechanical engineering graduate, joined Tekfen Construction in 1995. After working for three years as a piping engineer on a refinery project, he realised that the core value of construction projects is human and protecting employees should be the number one priority. With time, he was assigned as HSE Engineer on another project and worked on several projects as Project HSE Manager. He moved to Tekfen Construction headquarters in 2014 and has been working as HSE Director since 2019.

Mustafa has been an active participant of IPLOCA HSE & CSR Workshops, including making presentations about exemplary practices implemented by Tekfen Construction.

Returns are confidential documents and are not shown or passed on to any third party, other than the HSE & CSR Committee members working in collaboration with the IPLOCA Secretariat in order to produce the annual statistics report.

## HSE & CSR Committee Meeting

Following discussions regarding how IPLOCA should be addressing the problem of carbon capture and how to assist its members in becoming greener, as a first step, RSK Group Ltd. agreed to write an article on different methodologies for calculating carbon footprinting which has been published in the below article. The Committee has been working on a document, entitled “Golden Driving Rules”, comprising 15 rules, which will be made available on the IPLOCA website. The next HSE & CSR Workshop will be focused on sustainability and a date in the third quarter of this year will be agreed at the next committee meeting in April.

## HSE Shared Experiences Platform

The HSE & CSR Committee continues to encourage all industry players to visit and contribute to [www.iploca.com/committees/hse-csr/hseplatform](http://www.iploca.com/committees/hse-csr/hseplatform).

Share your experiences so that others may benefit! Learn from the experiences of others and don't make the same mistakes! Around 350 documents are sorted into various categories and grouped under “Lessons Learned” and “Safety Alerts”, including some bilingual texts; all languages are accepted. Note that, in addition to health and safety issues, major environmental incidents and best practices are also included.

# Carbon Footprinting: What, Why and How?

Richard Appleyard, Principal Environmental Engineer, RSK Group Ltd., U.K.



### What?

Carbon footprinting is beyond the buzz phrase stage. It was a buzz phrase 15 to 20 years ago. It's now an established part of business practice and not a day goes by without a news story related to the subject. But there is still uncertainty about what exactly it means and how to go about it. A carbon footprint is the total greenhouse gas emissions (GHG) caused directly and indirectly by a person, organisation, event or product.

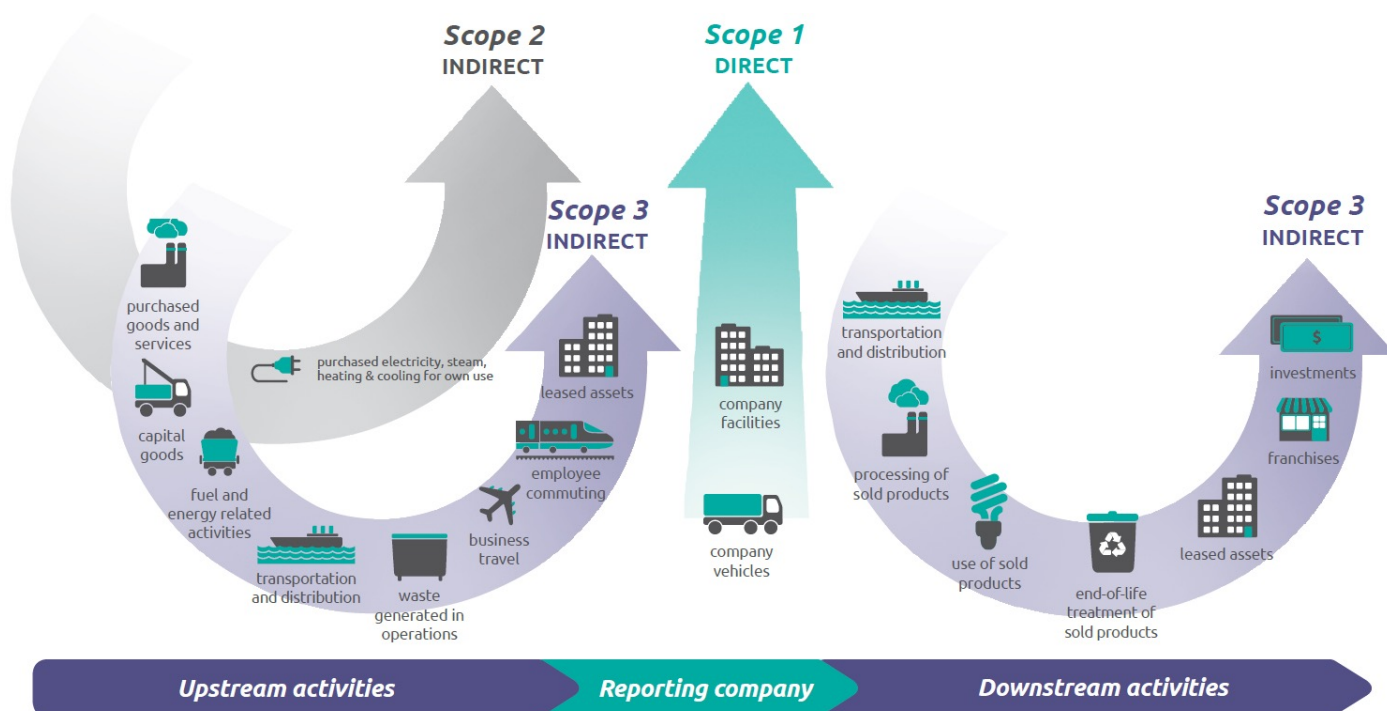
### Why?

There are three principal reasons why a responsible business is likely to be already undertaking work to calculate its carbon footprint, or at least embarking on that journey:

- **Compliance** – legislation is increasingly being enacted to mandate the monitoring and reporting of GHG emissions by companies. In 2015, the World Resources

Institute (WRI) reported that at least 40 countries had mandatory emissions reporting programmes in place, with several subnational programmes in addition. That number has surely increased significantly since then. The schemes have highly variable criteria for inclusion and specific compliance requirements, which presents challenges for businesses with multinational operations.

- **Stakeholder expectations** – customers will ask if you are doing it and may dig further for specific data, performance metrics or other evidence. Financial covenants are increasingly being tied to carbon performance. Employees and potential recruits are likely to want to know that they work for, or are joining, a sustainable business. These factors have led to many businesses publishing annual sustainability reports on a voluntary basis. A carbon footprint is a key component of such a report. Some report to the CDP (formerly the



Overview of GHG Protocol Emissions Scopes Across the Value Chain. Source: GHG Protocol

Carbon Disclosure Project), perhaps prompted by a member of CDP's [supply chain programme](#).

- **The moral case** – many people need no further driver than the scientific evidence that climate change is one of the greatest threats of our times to want to do their bit towards mitigating that threat.

This article only covers the measuring and reporting of emissions, which of course is not the solution. We need considerable cuts in emissions, as soon as possible. But, as the adage goes, one can only manage what one can measure. The ability to measure emissions in a reliable way is a vital part of the process. We'll discuss what constitutes 'reliability' shortly.

## How?

The answer to the question 'what method should I use to calculate my business's carbon footprint?' is – in the great majority of cases – the [GHG Protocol Corporate Standard](#) (GHGP CS). This standard is 20 years old (though has been updated and added to several times) and was developed by a partnership of the WRI and the World Business Council for Sustainable Development. According to its own material, it "provides the accounting platform for virtually every corporate GHG reporting programme in the world" and "In 2016, 92% of Fortune 500 companies responding to the CDP used GHG Protocol directly or indirectly through a programme based on GHG Protocol". Although, as previously mentioned, national mandatory reporting schemes will each have subtle differences in their requirements, if you

build a monitoring and reporting system based on the GHGP CS, you will be 90%+ of the way there. You will be able to make the subtle tweaks, e.g. on a country-by-country basis, to meet every need. The GHGP CS features the following key elements:

### 1. The principles of GHG accounting and reporting:

relevance, completeness, consistency, transparency and accuracy. These underpin all aspects of reliable GHG accounting and reporting. Their application will ensure that the GHG inventory constitutes a true and fair representation of the company's emissions. They should be at the forefront of any decision related to the carbon accounting process.

**2. Setting organisational boundaries:** what constitutes the entity whose emissions you are calculating? How to deal with joint ventures, subsidiaries and investments.

**3. Setting operational boundaries:** identifying emissions associated with the company's operations, categorising them as direct and indirect emissions, and choosing the scope of accounting and reporting for indirect emissions. Introduces the scopes of emissions:

- **Scope 1** – direct emissions that occur from sources that are owned or controlled by the company. Examples: emissions from fuel use in the company's own vehicles, vessels or equipment.
- **Scope 2** – indirect emissions from the generation of purchased electricity or heat consumed by the company. Scope 2 emissions physically occur at the facility where



the electricity or heat is generated. Example: emissions from electricity purchased (generated by others) to heat and power company premises.

- **Scope 3** – indirect emissions that are a consequence of the activities of the company, but occur from sources not owned or controlled by the company. Examples: emissions from activity undertaken by subcontractors, extraction and production of purchased materials, transportation of purchased fuels and use of sold products and services.

Mandatory reporting will always focus on scopes 1 and 2. These are the emissions over which a company has the greatest level of control. Scope 3 emissions are a potentially huge and variable dataset. They are an optional reporting category under the standard. Many reporting schemes will encourage companies to demonstrate that they understand their major scope 3 emissions, and to quantify and control them to the extent reasonably practicable. A company's initial focus should always be on getting its scope 1 and 2 inventory in order before delving into scope 3.

**4. Tracking emissions over time:** how to deal with changes in operational or organisational boundaries (for example acquisitions and divestments), methodology and other changes to maintain consistency over time or, in other words, to keep comparing "like with like".

**5. Reporting:** how to report the calculated emissions in line with the principles; what is required (for compliance with the standard) and what is optional.

The standard also has guidance on identifying and calculating emissions, managing inventory quality; accounting for GHG reductions; verification of emissions; and, setting targets. The standard is accompanied by a supplementary standard on scope 3 emissions; guidance notes specific to scopes 2 and 3 and the estimation and reporting of avoided emissions; and a range of useful

calculation tools – some sector- or country-specific, others more widely applicable.

### What other methods are there?

The GHGP CS is the parent of all GHG accounting methods. Most subsequent methods are substantially based on the standard. Indeed there is a specific 'Built on GHG Protocol' badge recognising guidance and tools that conform with GHGP standards. Other methods you may come across are:

**ISO 14064-1 (2018):** the ISO standard for the quantification and reporting of GHG emissions at the organisation level. This standard's requirements are generally consistent with, and in most cases are derived from, the GHGP CS. This U.S. EPA-sanctioned article opines that "though different in a few minor areas, the protocol and the ISO standard are complementary documents with ISO identifying what to do and The GHG Protocol explaining how to do it. Organisations developing GHG inventories, especially those that will seek independent verification, can benefit from using both the standard and the protocol as references." However, the GHGP CS contains both standard (mandatory, 'what to do') and guidance (non-mandatory, 'how to do it') elements with the two being clearly delineated. Verification is covered in a dedicated chapter. Unless your stakeholders insist on the ISO badge, there really is no need for ISO 14064.

### The U.K. government's environmental reporting guidelines:

these have wider scope than just GHG emissions, but the GHG aspects are based on the GHGP CS and refer back to it on many occasions. The guidance incorporates a section specific to the U.K.'s mandatory 'Streamlined Energy and Carbon Reporting' system, which qualifying companies should refer to, but, for the basic GHG accounting aspects, a system built on the GHGP CS will meet the requirements of the U.K. guidelines. The guidelines are, however, accompanied by a comprehensive set of emission factors, specific to the



U.K. and updated every year, which are a vital resource for those companies with U.K. operations.

**Bilan Carbone:** a French method (available in French or English) and suite of spreadsheet tools originally developed for ADEME, the French environment agency, and now under the custody of the not-for-profit Association Bilan Carbone. The emission factors are GHGP compatible. Full access to the tools requires a licence and mandatory training (as a quality control measure). Although I do not have experience of using Bilan Carbone, it seems similar to the U.K. guidelines in terms of usefulness, in that those organisations with substantial French operations will almost certainly need access to the France-specific emission factors, but the general methods and principles are the same as the GHGP CS's and, therefore, for those with multinational operations, the GHGP CS provides the wider recognition.

### Current practice in IPLOCA

In late 2021, IPLOCA conducted a survey of a small number of members to establish the methods currently used for GHG accounting and whether they had related targets in place.

Eighteen companies were asked, but only seven responded:

- One member stated that they were using the GHGP CS.
- One described a method that looks very much like the GHGP CS but did not specifically mention a published method.
- One member, with headquarters in France, is using Bilan Carbone.
- Three members described methods involving the collation of fuel consumption data and the use of emission factors to calculate GHG emissions. This is a

fundamental part of any GHG calculation method. For the purposes of reliability in the eyes of stakeholders, however, it is recommended that a specific methodology is adopted to demonstrate that the GHG accounting is in line with the principles described previously in this article. Of particular importance is the methodological and transparent setting of organisational and operational boundaries.

- The remaining respondent stated that they were not yet carrying out GHG accounting but intended to start doing so imminently.

The three respondents who described specific methods all stated that they had GHG targets; the other four declared that they did not. From such a small sample size, it is difficult to be confident about the prevalence of practices in the wider membership but, at face value, the results indicate that the IPLOCA membership has considerable work to do to establish strong GHG accounting, benchmarking, reporting and targeting practices that are likely to satisfy all stakeholders and keep the sector's sustainability credentials at a level that it can be proud of.

IPLOCA's HSE & CSR Committee is currently considering options to coordinate and promote such action and would welcome your feedback and suggestions. Please contact the HSE & CSR Committee, [hse@iploca.com](mailto:hse@iploca.com).

[Richard Appleyard](#) has over 20 years' experience with RSK in GHG & energy management, pollution prevention & control and air quality for major energy, pipeline and industrial projects. RSK offers a full carbon footprinting and emissions reduction service. For more information contact Richard at [rappleyard@rsk.co.uk](mailto:rappleyard@rsk.co.uk).

## New IPLOCA Award

### "Today's Quality is Tomorrow's Safety"

**In 2023, the Quality Award sponsored by TC Energy, will be introduced, designed to promote quality in all areas of its influence and encourage members to implement the most efficient quality measures applicable to their activities.**

Why such an award? Here, we share some thoughts from Terri Steeves, President, TC Energy Mexico: "Today when we think or talk about opportunities for our industry to collaborate to improve our business outcomes, Safety; Environment; Energy Transition; Collaborative Contracting may come to mind. We'd like to bring Quality into the conversation. As individual businesses we understand the value of 'doing it right the first time' and that rework is 2, 4

or even 10 times more costly and that fixing issues early has a 10 fold benefit with each progressive stage of a project.

Yet, when it comes to collaborating on quality, it can feel more like 'us' and 'them', policing, or just plain conflict. How, as an industry, can we re-write this script, such that we are leveraging best practices, we are clear on expectations and requirements up front: that oversight or assurance are timely, and seek the best alternative resolution?

We invite you to share those best practices, innovative ideas and approaches that are working well to create win-win outcomes for contractors, owners and the public. Ultimately, quality work today, ensures that infrastructure and assets are safe, reliable and meet customer needs long into the future. This will improve our industry's reputation, viability and contribution to society."

# IPLOCA Awards

to be presented in Prague



**Would your company like the opportunity to be selected and recognised as a leader in search for excellence within the pipeline industry?**

It is now time to choose which of your company's significant initiatives or achievements meets the eligibility

requirements to be considered for one of the following IPLOCA Awards. Deadlines for submissions are coming up in May. For more information, such as guidelines, entry forms, eligibility and details on previous winning entries, you may refer to [www.iploca.com/awards](http://www.iploca.com/awards).

Note that all entries should be focused on the pipeline industry and related work and are required to comply with the specific guidelines, including submission in the appropriate format, not exceeding the maximum number of pages and within the specified time frame.

## Reminder

For the annual H&S Award, entries are limited to projects launched a maximum of three years earlier, and a maximum of five years for the four other awards that are presented every other year.

If you have any questions, please contact Sébastien Goetschmann, [sebastien.goetschmann@iploca.com](mailto:sebastien.goetschmann@iploca.com).



## 2022 IPLOCA Health & Safety Award

sponsored by TC Energy

### Submissions deadline: 6 May

The Health and Safety Award is presented each year in recognition of members' initiatives, all of which are aimed at improving the health and safety of the pipeline industry such as:

- A unique innovation or initiative to avoid incidents
- A new and well-defined system, procedure or practice enhancing safety
- Implementation of lessons learned

- Energy use and efficiency
- Waste management and reduction
- Spill response preparedness
- Water usage and preservation
- Soil and ground restoration
- Archaeology
- Flora and fauna



## 2022 IPLOCA Environmental Award

sponsored by Shell

### Submissions deadline: 13 May

The biennial Environmental Award, sponsored by Shell, is given in recognition of members' initiatives, all of which are aimed at reducing the impact of pipeline construction on the environment, such as:

- Reduction of greenhouse gases
- Impact assessment and public consultation



## 2022 IPLOCA Excellence in Project Execution Award

### Submissions deadline: 20 May

Awarded every other year, the Excellence in Project Execution Award is presented in recognition of an outstanding project execution in onshore or offshore pipeline, or facilities construction by virtue of:

- Excellent client relationship/partnership beyond the expectations and/or contractual obligations
- Specific technology or engineering developed to either significantly reduce the cost of construction, or minimise the impact of the project on the environment, or to the local community, or for improvement in safety
- Outstanding response to unexpected difficulties faced during the execution of the project
- A remarkable or revised construction practice



## 19 to 23 September 2022 – Hilton Prague Hotel, Czech Republic

Online registration will be available on [www.iploca.com](http://www.iploca.com) as of **Monday, 4 April 2022**.

The theme for the Prague Convention will be **Pipelines Powering a Sustainable Future** and presentations at the Open General Meetings will address the many challenges of the energy transition, together with some important health & safety topics and an analysis of the global pipeline construction market.

by TotalEnergies, the Environmental Award sponsored by Shell; the New Technologies Award sponsored by BP, and the Excellence in Project Execution Award. The recipients of the 2022 Scholarship Programme will also be announced.

In addition to the business meetings, networking opportunities and the many social events, we have an extensive cultural programme lined up for delegates and spouses that includes a cruise through the waterways of Prague, visits to the Franz Kafka Museum, Prague Castle, the astronomical clock in the Old Town City Hall, the iconic Charles Bridge and much more.

20 THE IPLOCA NEWSLETTER

# Convention Sponsorship

The IPLOCA Convention is unique in its ability to bring together the pipeline industry's top executives in one place at one time, and sponsorship is a great way to maximise your company's visibility before, during and after the Convention.

Sponsorship opportunities at Silver, Gold and Platinum level are still available so don't hesitate, and contact

[caroline.green@iploca.com](mailto:caroline.green@iploca.com) for more information. And remember, Gold sponsors receive one complimentary Convention Registration Fee and one invitation to the exclusive President's Dinner on Tuesday evening.

Many thanks to all the IPLOCA members who have already committed to sponsorship for the Prague Convention: [www.iploca.com/events/annual-convention](http://www.iploca.com/events/annual-convention).

## PLATINUM Sponsors



## GOLD Sponsors



## SILVER Sponsors



Sponsorship as of 28 February 2022



# Innovation

## Promote Your Capabilities & Technologies via the IPLOCA Technology Platform

IPLOCA is inviting all members to add their technical expert page, at no cost, on the IPLOCA Members Technology Platform. This special promotion is available until 30 March 2022.

The benefits of registering your company are the following:

- Gain international exposure by being part of a global B2B catalogue targeting highly qualified end-users.
- Take advantage of the opportunity to showcase your company's expertise to end-users with insightful reviews on the technologies that you have helped to deploy.
- Facilitated access to, and interaction with, suppliers and end-users in multiple sectors, including energy, petrochemicals, ports and maritime.

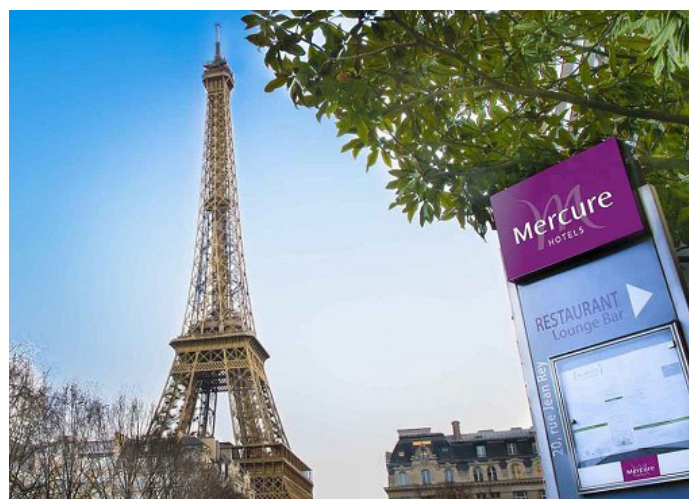


- End users and suppliers can reach out to technical experts to support their technology deployment.

For more information on how to register your company as a technical expert please contact [gregoire.demontmollin@iploca.com](mailto:gregoire.demontmollin@iploca.com)

## Regional Meeting and Novel Construction Spring Session in Paris

The next Novel Construction Spring Session will take place at the Mercure Paris Centre Eiffel Tower Hotel, in Paris, France on Wednesday and Thursday, 27-28 April 2022.



The programme will include presentations on innovative developments on Wednesday morning for member and non-member companies and will be followed by group work sessions, to discuss how to further develop the content of "The Road to Success" mobile application. Group presentations will be given on Thursday morning.

Please note that this session will take place immediately after the IPLOCA Europe Mediterranean Regional Meeting. Attendance at both events is free of charge; however registration is required before the deadline of **Monday, 28 March**. The agenda will be posted on our website closer to the date of the event. The hotel and meeting reservation forms can already be accessed via this link: [www.iploca.com/events/novel-construction-sessions](http://www.iploca.com/events/novel-construction-sessions). If you would like to suggest a presentation for Wednesday morning, please submit the title and a brief outline to [gregoire.demontmollin@iploca.com](mailto:gregoire.demontmollin@iploca.com) as soon as possible. Should you wish to participate in a working group, contact the appropriate group leader.

Working Groups	Leader (Company)	Email
Hydrogen & CO <sub>2</sub> Projects	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>





**IPLOCA is pleased to announce that the submission deadline for the 2022 IPLOCA Scholarships Programme has been extended until Friday, 8 April 2022.**

To check eligibility requirements and apply on-line go to: [www.iploca.com/committees/scholarship-programme/scholarship](http://www.iploca.com/committees/scholarship-programme/scholarship). We would like to remind our membership that IPLOCA awards 20 scholarships annually, valuing USD 4,500 each, to help the next generation pursue their chosen field of study. Scholarships are offered for full-time tertiary education at an accredited institution of the student's choice. The following member companies have sponsored

scholarships in either 2019, 2020 or 2021: Gulf Interstate Engineering Company, Rosen Group, SEPCON and Vacuworx. IPLOCA thanks them for their generosity and commitment to this important initiative. As it may not be financially possible for IPLOCA to continue fully funding this programme for many years to come, member companies are hereby being invited to sponsor the 2022 Scholarship Programme.

If you are interested in making a contribution or fully sponsoring one or several scholarships, please contact [jacqueline.tempel@iploca.com](mailto:jacqueline.tempel@iploca.com).

## Regional Meetings



**The next Europe Eastern Regional Meeting will take place at the Four Seasons Hotel in Baku, Azerbaijan on Wednesday, 16 March 2022 from 14:00 to 19:00. It will coincide with the March IPLOCA Board Meeting.**

The programme will include presentations on IPLOCA's initiatives; "Planning and Implementing Brownfield Projects on Operational Facilities" by P. Rustamov, TANAP; a presentation by F. Ahmadov, SOCAR; and, "Towards the Future, Together" by L. Kafkasli, SOCAR & Tekfen JV.

Attendance at this event is free of charge, however registration is required. For more details on this meeting, visit [www.iploca.com/event/regional-meeting-baku-azerbaijan](http://www.iploca.com/event/regional-meeting-baku-azerbaijan).

### Europe Mediterranean Region

A Regional Meeting for Europe Mediterranean is planned to be held on **26 April** at the Mercure Paris Centre Eiffel Tower Hotel, just before the Novel Construction Spring Session. Participants must register for both these events by Monday, 28 March.

### Latin America Region

The Latin America region is pleased to announce their Regional Meeting will take place in Santa Cruz de la Sierra, Bolivia on Wednesday, **7 December** in conjunction with the December IPLOCA Board Meeting.

For further details on these events as the dates approach, please visit the IPLOCA website or contact [gregoiredemontmollin@iploca.com](mailto:gregoiredemontmollin@iploca.com).

# Obituaries



## Remembering Theo Danel

**Theo Danel, former IPLOCA President from 1983 to 1984, passed away on December 31, 2021 at the age of 82. His wife Elly preceded him in death two years ago.**

Theo Danel attended High School in The Netherlands and after a few years as a surveyor with the Boskalis Group in Spain and Portugal, he went to the Sloan Business School in London where he successfully completed his studies.

Returning to Boskalis he became, in 1979, Managing Director of Nacap B.V., a Dutch pipelaying contractor mainly active in The Netherlands during those years. With his charismatic and commercial skills, he quickly managed to enter the international pipeline construction market, winning major projects. Nacap, in a joint venture with Spie-Batignolles, won a major project in Slovenia and from there Nacap was awarded major projects in Saudi Arabia, Algeria, Argentina and Ireland. In 1984, Theo Danel retired as President of Nacap and continued as an independent entrepreneur with various international projects. Theo was very well liked by his employees and associates in the pipeline industry, and he will be remembered by his many friends for his friendship and guidance.



## In memory of Dr. Klaus Ritter

**After almost 50 years in various positions in the energy and water sector, Dr. Klaus Ritter passed away peacefully on 19 December 2021, surrounded by his family.**

He was founder of the Pipeline Technology Conference, now in its 17<sup>th</sup> year, of which IPLOCA is an Advisory Committee Member. Klaus studied urban water management at RWTH Aachen University, Germany, where he received a scholarship for his doctorate on the topic of cooling water accumulation during power generation in thermal power plants and its

effects on receiving waters. Already at the age of 36, he became the managing director of the professional association DELIWA. Here he had found the vocation to which he would dedicate his entire professional life, namely the transfer of knowledge and technology: first at national and later predominantly at international level, particularly in China, Korea, Vietnam, the Middle East as well as in North Africa. After the merger of DELIWA and DVGW, which was completed in 2000, Klaus served as managing director of the new DVGW. He subsequently took over the DELIWA/DVGW subsidiary EITEP (Euro Institute for Information and Technology Transfer in Environmental Protection) as president and led the company to high international recognition. His warm, open manner and his relentless motivation to develop and push innovative ideas will be missed by those who worked with him.

## In Remembrance of Jayachandran Sinnathurai



**Jayachandran Sinnathurai (Jaya), Caterpillar Pipeline Manager in Asia-Pacific and past IPLOCA Board member passed away on 16 January at his home in Bangalore, India after a prolonged battle with cancer.**

Jaya held a mechanical engineering & science degree and joined Caterpillar in 2003, successfully covering various positions in sales, rental, product support and key account management related to construction machinery and

dealer development, in India and Singapore. In 2010 he joined the Caterpillar Global Pipeline Division as Pipeline Manager for Asia-Pacific, covering China, India, Australia and South East Asian countries, working closely with Pipeline Machinery International (PLM) and other Caterpillar dealers in this area, to provide support to pipeline contractors and projects in the Asia-Pacific region. He was an IPLOCA Board Director from 2015 to 2016, representing Associate Members and is remembered fondly by ex-colleagues and previous IPLOCA Board members: "Jaya always wore a gentle smile, was very kind, helpful and well respected by colleagues and customers."

Jaya is survived by his wife Vanitha and their two adult children: daughter Pooja in Singapore and son Priyan Deepak in Bangalore, India.

# Upcoming Events

2022

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

## Pipeline Technology Conference

7-10 March – Berlin, Germany (plus online)  
[www.pipeline-conference.com](http://www.pipeline-conference.com)

## PIG – 64<sup>th</sup> Pipeline Industries Guild Annual Dinner

8 March – London, U.K.  
[www.pipeguild.com](http://www.pipeguild.com)

## IPLOCA Europe Eastern Regional Meeting

16 March – Baku, Azerbaijan  
[www.iploca.com/events/regional-meetings](http://www.iploca.com/events/regional-meetings)



## IPLOCA HSE & CSR Committee Meeting

25 April – Paris, France  
[www.iploca.com/committees/hse-csr/hse-csr-committee](http://www.iploca.com/committees/hse-csr/hse-csr-committee)



## IPLOCA Europe Mediterranean Regional Meeting

26 April – Paris, France  
[www.iploca.com/events/regional-meetings](http://www.iploca.com/events/regional-meetings)



## IPLOCA Novel Construction Spring Session

27-28 April – Paris, France  
[www.iploca.com/events/novel-construction-sessions](http://www.iploca.com/events/novel-construction-sessions)



## Offshore Technology Conference

2-5 May – Houston, TX, U.S.A.  
[2022.otcnet.org](http://2022.otcnet.org)

## 68<sup>th</sup> Annual PLCAC Convention

2-6 May – Maui, Hawaii, U.S.A.  
[pipeline.ca](http://pipeline.ca)

## 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)

## 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)



## APGA Convention and Exhibition

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

## ADIPEC

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

## IPLOCA Latin America Regional Meeting

7 December – Santa Cruz de la Sierra, Bolivia  
[www.iploca.com/events/regional-meetings](http://www.iploca.com/events/regional-meetings)



## Important IPLOCA Dates

### Health & Safety and Environmental Statistics

4 March - Deadline for submissions  
[www.iploca.com/hsestatistics](http://www.iploca.com/hsestatistics)

### IPLOCA Annual Convention

4 April – Registration opens

### Member News for IPLOCA June Newsletter

29 April - Deadline for submissions  
[newsletter@iploca.com](mailto:newsletter@iploca.com)

### 2022 IPLOCA Health & Safety Award

6 May - Deadline for submissions

### 2022 IPLOCA Environmental Award

13 May - Deadline for submissions

### 2022 IPLOCA Excellence in Project Execution Award

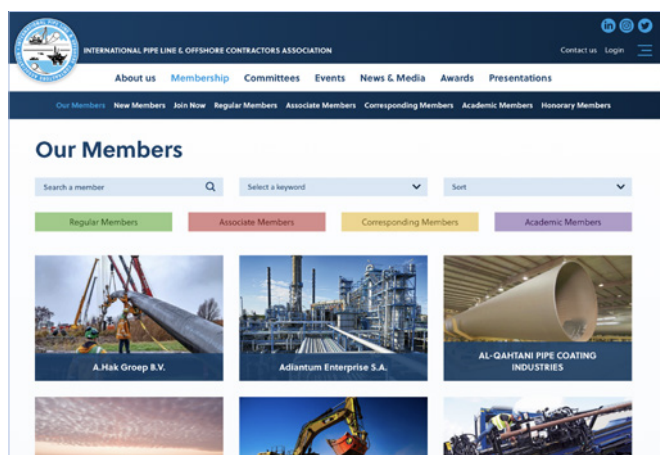
20 May - Deadline for submissions

### Member News for IPLOCA September Newsletter

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



# Member profiles on the IPLOCA website



Your member company listing and IPLOCA contacts can be edited directly on the IPLOCA website.

IPLOCA Key Representatives can add and update general contacts, HSE, Innovation & New Technologies contacts. They can also edit the public profile that contains a company description, a profile image, offices and branch offices with contacts and company certification information. This data will also be used for the IPLOCA Yearbook. For more information please contact [support@iploca.com](mailto:support@iploca.com) and [www.iploca.com/members](http://www.iploca.com/members).



## IPLOCA Yearbook 2020-2021

The IPLOCA Yearbook is available in hardcopy and a quarterly updated version can also be accessed on your mobile device at [mobile.iploca-yearbook.com](http://mobile.iploca-yearbook.com).

Do not hesitate to send us the addresses of the persons to whom you wish us to send a copy of the IPLOCA Yearbook.

Additional printed copies can be obtained on request from the website [www.iploca-yearbook.com](http://www.iploca-yearbook.com).

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### 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)

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

[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)

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Australia: +1-61-7-4691-2120  
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