



NUMBER

92

THE IPLOCA NEWSLETTER

SEPTEMBER 2022



Annual Convention 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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Cover Photo

Courtesy of
Consolidated Contractors Company

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Letter from the President

This year seems to have flown by so fast, as we managed to once again organise face-to-face Board Meetings, Regional Meetings, Novel Construction Sessions and, most significantly, our upcoming Convention in Prague now taking place after a two-year break! We have also taken steps to support our members as they face the challenges of alternative energy sources, by creating an Energy Transition Working Group.

First of all, I would like to personally thank my fellow board members, the Secretariat, our members and friends of IPLOCA for their flexibility, patience and adaptability during the past months as we gradually move towards a feeling of “business as usual”.

Particular thanks also go to our generous sponsors who are enabling us to create a great “come-back” programme in Prague. As presented in our June 2022 Newsletter, we have an excellent line-up of speakers for the Open General Meetings. During these business sessions, the recipients of the 2022 IPLOCA Scholarships will be announced. Presentations will also be made to the winners of the 2020, 2021 and 2022 IPLOCA Awards for Health & Safety sponsored by TC Energy, the Environment sponsored by Shell, Corporate Social Responsibility sponsored by Total, New Technologies sponsored by BP and for Excellence in Project Execution sponsored by IPLOCA.

We are pleased to say that, once again, we will be holding B2B meetings and Poster Sessions, which complement the great networking opportunities that the Convention offers for members and guests. On Thursday, 22 September, we encourage as many member representatives as possible to attend the Regular and Associate Member Board Nomination Meetings, followed by the AGM on Friday, at which the newly elected Board will be ratified and also approval will be sought for updates to the Association’s By-laws.

The HSE & CSR Committee has just published its 2021 HSE Statistics Report, which we recommend you read and motivate your company to take appropriate action to stimulate positive changes for the future, to ensure ongoing improvement in our industry’s HSE performance.

It is essential that our Association continues to add value for its members. Interest from potential members continues and we are delighted to welcome seven new companies, whose profiles may be found on pages 8, 9 and 10.

I am excited about meeting up with a good number of members and friends of IPLOCA at our Convention in Prague later this month!

With best regards,

Gonzalo Montenegro

IPLOCA President 2021-2022

News from Geneva



The IPLOCA Executive Secretary, Juan M. Arzuaga, has indicated his desire to retire at the end of 2023; consequently, we are looking for candidates to replace him in this position.

The Executive Committee felt it was important to consult the membership to identify potential candidates before

looking outside the Association and advertising on a wider scale. We are looking for someone with a passion for, and knowledge of, our industry who can help us fulfill our new strategic objectives and at the same time ensure continuity.

The qualified candidate should be an excellent communicator, goal-oriented, and have the capacity to efficiently administer a large association. Based in Geneva, this person should also continue the tradition of social contact and networking that have been so important to IPLOCA.

If you are interested in this opportunity or know someone who may be, please contact Jackie Tempel to receive a copy of the job description and then send her a resumé: jacqueline.tempel@iploca.com by 28 Feb 2023.

The Executive Committee will appoint the selected candidate by resolution of the Board of Directors during June 2023, with a starting date in early September 2023.

Board Meeting Update

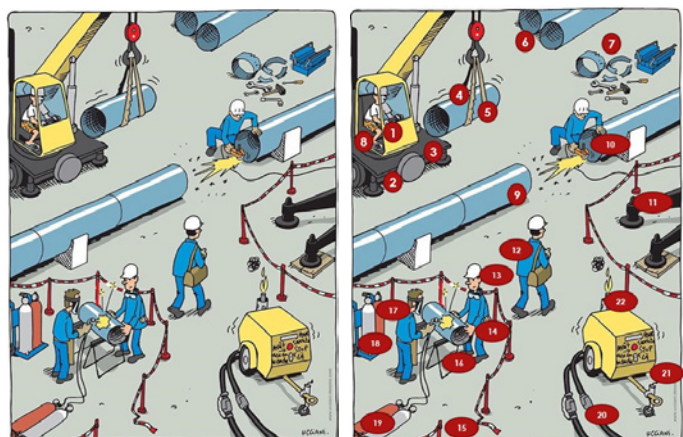
9-10 June, Dublin, Ireland

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

Opening Remarks from the President

The President, Gonzalo Montenegro said that he was pleased to see so many directors present at the Board Meeting: a total of 25 board members attended over the two days.

Safety Moment



Bruno Pomaré presented a cartoon drawing of a work site with over 20 safety hazards: he then asked the Board Directors to identify them. This type of illustration is being used more and more for health & safety as it is simple and is a fun way to teach and remind employees how to identify risks.

HSE & CSR Committee

Since March 2022, the HSE & CSR Committee has welcomed two new members: Marie-Laure Suprin of Spiecapag (replacing Alain Gauthiez) and Patrick Berré of Denys. Patrick works in operations and brings experience as a non-HSE employee. Their profiles, along with that of Perry Redman, who also recently joined the committee, may be found on page 12 of the June 2022 IPLOCA Newsletter.

The last HSE & CSR meeting was held in-person on 25 April in Paris, France. The topics covered were: golden driving rules, the choice of a subject for the next workshop, and the review of pending action items.

A zoom meeting was planned to be held on 26 July to discuss the 2022 awards adjudication process and draft a safety alert based on the fatality reports of the previous year. The next committee meeting will be held on Monday 17 October, followed by a workshop the next day.



RSK will help prepare the 'best techniques for sustainability' and compile the workshop agenda.

At the date of the Board Meeting, 76% of the 2021 HSE Statistics had been received from IPLOCA Regular Members (19 were missing). One fatality had been reported. It was noted that the Golden Driving Rules are now posted on the IPLOCA website, and also the article on carbon footprinting and the different methodologies used to calculate CO₂ emissions, which was published in the March IPLOCA Newsletter.

The Committee announced that the criteria for the quality award, sponsored by TC Energy, have now been finalised and the first award will be presented in 2023.

Innovation Committee

Committee members shared that the attendance at the Spring Novel Construction meeting in Paris was good, with participants coming from as far as Lebanon and Saudi Arabia. The Fall Session will be held in Barcelona, Spain, in conjunction with the HSE & CSR Committee Meeting and Workshop as a four-day event. More Regular Members are encouraged to take part in the Novel Construction sessions, as these meetings are currently mostly attended by suppliers.

A lot of updates have been made to the "Road to Success" app. It is hoped that a new working group will be created related to offshore activities, and a separate chapter will be dedicated to hydrogen.

The Technology Catalogue is now populated with over 40 member company technologies. A short introduction manual is currently in the process of being prepared to help members find their way around the platform. It was noted that some of the board directors have received feedback from their employees that it has been difficult

to enter their technologies, and that they had to contact Gregoire de Montmollin for support.

Membership

The IPLOCA Membership totals 230 companies, of which there are 82 Regular Members, 108 Associate Members, 30 Corresponding Members, 4 Academic Members and 6 Honorary Members.

Currently the Membership Manager is in contact with 34 potential new members and support from the Board Directors in encouraging these companies to join was requested. It was emphasised once again that all directors have a target of encouraging at least one new member to join during this presidential term.

It was noted that there have been some resignations, which are to be expected with regards to the current economic situation:

- **Metal One** – Associate Member – valid for 2023
- **J.S. Welding & Building Co** – Regular Member – effective immediately

It is possible that some more members will be lost during the year due to non-payment of membership fees. However, there is big interest in the Association and new members continue to join.

It was agreed that the new IPLOCA video is a good promotional tool but as it lasts 6 minutes it is too long to be posted on social media like LinkedIn. It could be a good idea to consider creating a shorter, "flash" version.

Members should be fully aware that the role of IPLOCA is to create solidarity in the industry and that members work together and foster trust. The Annual Convention provides a unique opportunity to network with high-end individuals, and many members make contacts during this event.

The Energy Transition Working Group

Andrew Ball, Chairman of the Energy Transition Working Group presented his report, supported by Marco Lombardi, Meletios Tzaferis, Paolo Zoni, Dario Camozzi and Bruno Pomaré in leadership roles. The working group is still accepting new members: anyone who is interested is invited to contact Andrew Ball at J.Murphy & Sons, U.K. The Group has organised monthly conference calls for the last Thursday of every month up until the end of the Presidential term.

Andrew Ball reminded the Board of the Group's vision and purpose statement (described on page 7 of the March 2022 IPLOCA Newsletter). The Group plans to provide information and share best practices in the safe use and deployment of alternative energy such as hydrogen, carbon capture utilisation & storage, and associated technologies. Industry best practices in net-zero construction, how to calculate green credentials, and accountability will also be shared with members. Information will be gathered and posted on the "Road to Success" app.

There is a big demand to know what can and cannot be done when building projects according to net-zero emissions. Each region will be evaluated separately.

The selected green criteria are:

- Does your company have a policy on sustainability?
- Environmental, Social & Governance (ESG) impact
- Working towards the U.N. Sustainable Development Goals (SDGs)
- Greenhouse gas protocols 1,2 & 3 (GHG)

The HSE & CSR Committee has suggested that the above criteria be incorporated into the HSE Statistics questionnaire.

Andrew Ball shared the latest gas transaction policy statement and hydrogen strategy from the National Grid (an energy company operating in the U.K. and U.S.A., that delivers electricity and gas safely, reliably, and efficiently to customers and communities – all while working towards a clean energy future).

By 2050, pipelines will have increased 30-fold. Currently the National Grid is working with existing national pipelines that have been decommissioned. They have been testing to see what is the best percentage of hydrogen in pipelines and this kind of information is useful for IPLOCA members. For current pipelines the optimal percentage of hydrogen is a 20% blend. Hydrogen can react with metal or pass all the way through to the outside surface, effectively resulting in a

very small hydrogen leak. ILF presented a very interesting paper at the Regional Meeting held on 26 April in Paris that can be found on www.iploca.com. The results of tests will show whether there is a need to change the construction of pipelines. Norms have yet to be set with regards to the transportation of both hydrogen and CO₂. The use of natural gas is still considered a step towards the energy transition.

Scholarships

A total of 83 completed applications had been received for 2022 of which 53 were from North America. It was noted that 60 applications were incomplete and that 30% of all applications were from one Associate Member. Applications were received from all regions except for Central Europe. It is important to note that IPLOCA's membership numbers have decreased and in turn, have impacted funds. The cost of the scholarship fund is over CHF 100,000 per year, and it is no longer sustainable for IPLOCA to continue funding this initiative. IPLOCA is a not-for-profit organisation.

Suggestions were made on how to adapt the scholarship programme and funding in the future. It was agreed that half the number of scholarships will be awarded in 2023: one per region for students associated with Regular Member companies and two for those linked to Associate Members. Each Board Director will contribute CHF 200 and therefore fund one scholarship award.

Treasurer's Report

Following the request from the Treasurer, Adam Wynne Hughes, the Board voted to reappoint the auditors, RSM Audit Switzerland, for 2023. The IPLOCA 2021 accounts had been audited and were unanimously approved. The audited accounts will be presented during the AGM to be held on 23 September in Prague. It was noted that less membership fees were collected in 2022 than expected, which has created a loss of just over CHF 90,000, and to date, not all the sponsorship slots have been filled for the upcoming Convention in Prague.

It is foreseen that after the Convention and collecting the outstanding membership fees, the total amount of funds should return to approximately CHF 2.2 million and the Association should in theory break even. Future convention destinations need to attract high attendance.

To date, only members can sponsor at the Convention and after discussion it was agreed that sponsorship opportunities could be offered to non-members and approved on a case-by-case basis by the Executive Committee.

By-laws

Adam Wynne Hughes ran through the list of recommended changes to the IPLOCA By-laws. These were approved by the Board and will be presented at the AGM in Prague, becoming effective as of 30 September 2022.

Annual Convention in Prague

The agenda for the Open General Meetings (OGM) and Annual General Meeting (AGM) to be held on Thursday and Friday, 22 and 23 September was reviewed and the running order agreed. Poster Sessions will be held during the AGM and OGM coffee breaks with stations posted around the room. Starting this year, there is a minimum charge of EUR 300 to run a Poster Session and the proceeds will be allocated to the Convention Fund.

Regional Meetings

The Regional Meeting in Paris was well attended and all the presentations are posted on the IPLOCA website. The Regional Meeting planned to take place in Germany will be rescheduled to 2023. The Latin America Regional Meeting, however, is going ahead according to plan. Gonzalo Montenegro and Giacomo Bonfanti will work together to prepare an agenda. Prominent Latin American oil & gas companies will be invited to present.

Media Partner contract renewals

To date, IPLOCA has the following media partners: Benjamin Media, Gulf Energy Information and Palladian Publications. Changes to their contract offered by Gulf Energy Information have resulted in IPLOCA considering them the Association's media partner of choice since, amongst other benefits, they provide access to their database with a 20% subscription discount for IPLOCA members. If interested, please contact ed.bramwell@gulfenergyinfo.com.

New IPLOCA logo

Roger Spee of CRC-Evans Pipeline International and Andrew Ball from J. Murphy & Sons were both thanked for their time and money spent on developing alternative logos for the selection process by the Board. The new IPLOCA logo will be presented at the AGM in Prague. A new slogan has also been agreed.

Executive Secretary Replacement

The current Executive Secretary, Juan M. Arzuaga, has decided to retire at the end of 2023. All applications for his replacement will be reviewed by the Executive Committee, and the final choice will be made at the June 2023 Board Meeting.

Membership Centre

New Regular Members



CIS GAZ S.A. is a contractor for pipelines in the oil & gas industry, specialising in installations,

transportation, and storage systems. They have expert knowledge in EPCC/pipeline construction, including gas and crude oil injection and collection pipelines, gas transmission and distribution pipelines, surface technological installations, gas measuring and control stations, natural gas compression and conditioning stations. They also cover pipeline integrity, including mechanical cleaning and intelligent pipeline inspections, hot tapping and under-pressure plugging technology, pipeline relining with thermoflex and primus line interior coatings with epoxy resins, rehabilitation, and relocation of pipelines. Lastly, their expertise also encompasses power and gas supplying, including solar power production, cogeneration power plant under development, gas supply to the retail market, gas supply for industrial users, and gas trading on the Eastern European market.

CIS GAZ S.A.

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We warmly welcome back Worley as a Regular Member.

Worley delivers project and asset services for the energy, chemicals, and resources sectors around the world. The company provides expertise in engineering, procurement, and construction, as well as consulting services, bringing over 40 years' experience in serving the pipeline industry. Comprehensive onshore and offshore capabilities allow Worley to deliver projects with simplified management controls, fewer interfaces, improved schedules, and increased cost efficiencies. Every day the company helps its customers get one step closer to solving the planet's toughest issues, such as climate change, the energy transition, cost efficiency,

digital transformation, and how to deliver a more sustainable world.

Worley

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Houston TX 77072
U.S.A.
+1 626 927 7256
oliver.morgan@worley.com
www.worley.com

New Associate Members



Established in 1996, **A. Lamb Associates** (ala) has been providing commercial services to the pipeline industry for over 25 years.

As leading commercial specialists in cross-country pipelines worldwide, they have provided commercial services on over 100 pipeline projects. They directly employ an exceptional and growing team of 25 quantity surveyors and planners and are successful because their team consistently delivers results. Priding themselves on market-leading customer service and treating every client as a long-term relationship, their objective is to provide clients with expertise and services to achieve positive commercial results on projects.

A. Lamb Associates (ala)

Clawthorpe Hall Business Centre
Burton in Kendal
Cumbria LA6 1NU
U.K.
+44 15242 73666
info@alambassociates.com
www.alambassociates.com



Canpipe Industries International Bulgaria is a fast-growing company, specialising

in the construction and reconstruction of technical sites' infrastructure providing gas supply, industrial installations, production and installation of steel structures, and production and installation of facade and roof systems. Highly qualified staff, partnering with established Bulgarian and international companies are in constant pursuit of improvement to ensure they provide quality service to all ongoing projects. Since its inception, the company is constantly expanding the scope of its activities in the field of gas infrastructure, welding, metal

structures and the construction of housing.

Canpipe Industries International Bulgaria

110 Bulgaria Boulevard
1618 Sofia
Bulgaria
+359 2 494 02 30
office@canpipe.eu
www.canpipe.com



kleiss & co bv

Kleiss & Co. B.V. was

founded in 1967 in Schiedam, The Netherlands and

has more than 50 years' experience in producing and engineering tools and materials for pipeline construction and maintenance. Kleiss & Co. has affiliates and sister companies in Belgium, Venezuela and the United States and is involved in many major distribution and transmission pipeline projects worldwide. The various production departments - including metalworking and assembly, polymers and natural rubber technology, as well as testing laboratories - produce a wide variety of advanced pipeline products in accordance with the latest ISO 9001 standard. Kleiss & Co holds several patents and QA certificates and is a full member of NACE, IPLOCA, PPSA and BIG.

Kleiss & Co. B.V.

Scheepmakersstraat 17
3334 KG Zwijndrecht
The Netherlands
+31 786 291 313
www.kleiss.nl



Langfang Rongtong Petroleum Machinery Equipment Co. Ltd was founded in

1993 and established in 1996, focusing

on manufacturing heavy equipment specialised for oil and gas industry pipeline constructions. The company integrates design, development, production, sales and after-sales services and is committed to serving customers with the best quality machinery as well as good services. 24/7 after-sales services is provided to resolve all unexpected situations for customers.

Langfang Rongtong Petroleum Machinery Equipment Co. Ltd.

Taichung road, Yongqing High-Tech Industrial Development Zone, Yizhuang
People's Republic of China
+86 656 68188
mkt@rongtongjixie.com
www.rongtongjixie.com

New Corresponding Member



Founded in the 1960s, the Mediterranean-Rhône pipeline company, known as **SPMR**, operates a network of pipelines

backed by refineries and importation terminals on the Mediterranean coast and by the Lyon-Feyzin refinery. 24 hours a day, seven days a week, it provides road and aviation fuel and heating fluids to the depots in the southeast of France and the region of Geneva through its connection to a Swiss pipeline, covering nearly 75% of the demand from these regions. Over the past two decades, the main developments that have impacted SPMR's business sector have focused on increasing the requirements for the safety of transport pipelines, the quality of road fuels under the European Union Auto Oil programme, and the new conditions of network operation

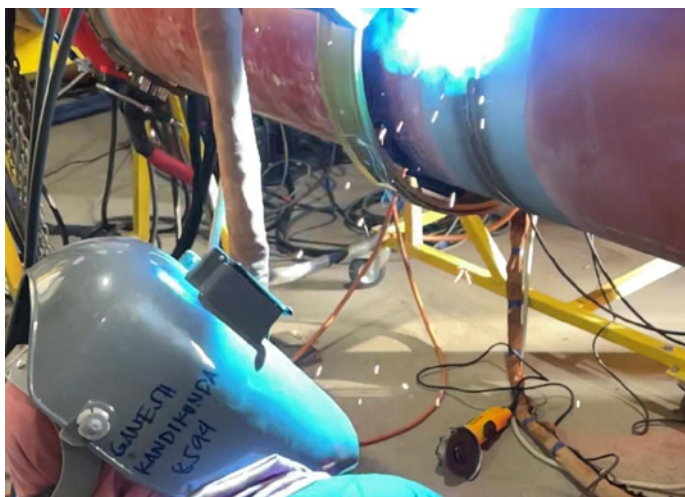
offered by digitalisation. SPMR has successfully overcome these challenges to offer its customers a massive mode of transport widely appreciated for its high level of reliability. SPMR aims to be an actor in the energy transition, firstly, by reducing its energy needs by optimising operating conditions and by using renewable energies. Secondly, the company is open to the transportation of green products. SPMR is, however, convinced that liquid fuels of fossil origin or emerging sectors will still dominate the mobility sector over the next decade.

SPMR

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Member News

Bin Quaraya Co. Ltd Awarded Construction South Header LFDL, Saudi Arabia



Bin Quraya Co. Ltd has been awarded the contract to build a 63 km pipeline for the water injection trunkline junction at Lower Fadhili distribution to the central processing facilities plant Khurais in the Kingdom of Saudi Arabia. The project is divided into five segments with 3x8" nozzles and five tie-ins. Two major crossings with horizontal directional drilling (HDD) with 20" casing sleeve comprise two government facilities of 150 m in length. The pipeline will be installed with 4x16" thrust anchors and 28 open cuts for the rig road, 27 underground pipelines and 23 overhead power lines. Bin Quraya will deploy three spreads of fully mechanised

dual torch welding stations and two semi-automatics to complete the welding ahead of the 4th quarter of 2022. The pipes are coated externally and internally in three locations: fabrication shop, third parties and field crews displaying the company logistics and transportation capabilities.

The strategy to expedite the activities consists of double jointing strings along the corridor associated with a multiple crossing strategy in order to save time and idle resources. The integrated management system recently implemented allows the construction teams to receive real data online optimising the field and quality teams in terms of communications, request for inspections, welding books, statistics, localisation, safety and environmental records.

GDI Develops Microtunnel in Manzanillo-Guadalajara Pipeline

GDI is proud to have supported TC Energy by developing a microtunnel (MT) in the Manzanillo-Guadalajara Pipeline as a result of integrity campaigns of TC Energy. The microtunnel was successful for three main factors which allowed for reliable drilling execution. First, due to demanding characteristics of heterogenous soil with sands, gravels and boulders, specialised electrical tomography studies were carried out during the engineering phase that resulted in a validation proposed design. GDI implemented an effective equipment selection of a tunnel boring machine (Blanca 1) aligned with the



geological extreme conditions and safety parameters in trenchless activities. Third, a proper selection of concrete pipes was supplied locally with defined tolerances during their fabrication. Once the microtunnel was finished, mechanical activities with string prefabrication, product pipe pulling inside the microtunnel, testing and interconnection golden weld with the existing pipeline were done with the highest quality parameters.

The project was developed in a record period considering that all work site activities were completed between rainy seasons as was established in the safety plan.

Goriziane Manufactures Internal Line-up Clamp (ILC)

Goriziane E&C S.p.A. has recently manufactured a new Internal Line-up Clamp (ILC). These ILCs are ready for final assembly and factory acceptance testing (FAT) before delivering them to onshore and offshore pipeline projects. The ILCs are built to accurately align pipe diameters ranging from 6" to 60" and even bigger, depending on customers' requirements. Goriziane's ILC has a modular design, thus it can be adapted for various applications (onshore or offshore) by adding a copper shoes system;



high-force re-rounder; purging system; dedicated pads for internal coating or stainless steel pipe (CRA kit); a motorised system (for pipe OD > 16); emergency braking system; J-Lay Anchor module; winch; wireless remote-control; and visual laser and 3D camera system. In addition, Goriziane also offers a fully electric ILC with compact design where space is limited.

ILF Consulting Commissioned for ETL in Germany



Gasunie has commissioned ILF Consulting Engineers as general planner for the Energy Transmission Lines (ETL) 179 and 182. These pipelines are related to the LNG terminals in Germany, which are now needed more than ever, and serve on the one hand to connect the terminal in Stade to the grid and on the other hand to adapt the performance of the grid to the new conditions. ILF will carry out these projects as general planner from the completion of the feasibility study to the commissioning.

ISCO Helps Bring Safe Shores and Reliable Electricity to Rwanda

Through engineering and ingenuity, several companies were able to help turn a potentially disastrous problem into a powerful solution in Rwanda, where natural resources are limited. The country sits on the shores of Lake Kivu, which contains enormous amounts of dissolved carbon dioxide gas, trapped with methane, by the pressure of the water above. Shema Power Lake Kivu Limited (SPLK) secured the rights from the Rwandan government to extract this methane to fuel a new gas-to-power generation plant in the Rubavu District, thereby minimising the potential for a deadly disaster (should the enormous quantities of carbon dioxide leak into the atmosphere).

Texas-based oil and gas engineering company, Antares Offshore, was contracted by SPLK to present engineering



solutions for the project. ISCO Industries' sales and technical engineering groups provided technical expertise on the physical properties and performance attributes of HDPE, which was chosen for the pipe, fittings and fabricated components, due to its long-term, corrosion-resistant piping solution.

The Kivu-56 project is positively impacting both the economy and local inhabitants, providing reliable, green electricity and safer lakeside existence. Many local residents are included in the construction of the gas extraction barge and power plant, resulting in earned income and new job skills. Also, local companies in agriculture and tourism will have consistent electricity to power their businesses, allowing for greater output and export potential.

Seal for Life's Stopaq Total Solutions

In 2021 Seal For Life (SFL) completed a year long gas pipeline project in Croatia utilising a number of SFL products to provide a total protection solution. The work was conducted on the new connecting main gas pipeline Zlobin - Omišalj DN800/100 for the LNG Terminal Krk. At the crossing under the railway near Zlobin and the



crossing with state road D102 (Island Krk), the DN800 pipe runs inside DN1200 casings. The end user Plinacro d.o.o. wanted to secure the pipeline by filling the casings with Stopaq® Casing Filler which showed to be a more effective and reliable solution for corrosion protection compared to conventional methods. There were various challenges for application due to the difficult approach to the filling station, but they were overcome due to notable collaboration between SFL's personnel and the contractor.

The project also included field joints, bends, flanges and risers throughout. In addition to Casing Filler being used, Stopaq Wrappingband and Outerwrap were utilised and, due to the rocky areas, the company also added Outerglass Shield at field joints and SFL RockShield for the main pipeline that runs underground, subsea and above the ground.

Further Awards for Streicher's Fully Electric Driven Horizontal Drilling Rig



Since winning the 2021 IPLOCA New Technologies Award and being a runner-up for the 2021 IPLOCA Health & Safety Award, Streicher's first fully electric driven horizontal drilling rig, the HDD80-E has recently won two further awards: German Innovation Award 2022 (Machines & Engineering category) and Red Dot Award 2022 (Product Design category).

The German Innovation Award honours products and solutions that distinguish themselves primarily through user-centricity and added value, compared to previous solutions. Above all, the high degree of innovation of the HDD80-E and the resulting ecological and economic advantages were taken into account. The Red Dot Award is the most popular design competition worldwide.

The fully electric driven HDD80-E won the Product Design category, due to its aesthetic and ergonomic design.

Moreover, the jury was convinced by the low noise level and the valuable contribution to environmental protection based on the fully-electric rig design. Currently the company's portfolio of future-oriented and sustainable technical solutions of the label ecotec also includes an electric welding tractor (PW150-E). A smaller horizontal drilling rig with a thrust/pullback load of 45 tons (HDD45-E) is now in production.

Techint's Sustainable Construction Amid Wetlands in Peru

Techint Engineering & Construction has built a 87-km pipeline to transport water to the Quellaveco mining plant in the south of Peru. Quellaveco is a 60/40 joint venture between Anglo American and Mitsubishi Corporation. The project includes 5 above ground stations and will provide water from the Titire River, unsuitable for human consumption, to one of the largest copper deposits in the world. However, located in the Andean area of Moquegua, 4,000m above sea level, the mine lies among high mountains with extremely steep slopes and plenty of wetlands. Known as 'bofedales', they are a crucial source of food, water, shelter, and nesting sites for wild animals and livestock. Wetlands are considered a highly fragile ecosystem due to climate change, prolonged droughts, and human intervention.

Aligned with the UN Sustainable Development Goals, Techint E&C implemented a management programme on-site to minimise impact: carrying out preconstruction survey through 87 km, developing engineering to lay the pipes with deviation of water courses (temporary surface and ground water drainage pipes); checks and monitoring performed to mitigate the likelihood of sediment building up as well as any other potential impacts on the structure of the wetlands, their water quality and quantity; and special equipment used to extract the vegetation (known as 'champa') and preserved as the pipeline is



being installed. When building works are completed, 'champa' is restored. One of the most important technical challenges of the project was designing and developing a 190m bridge so that a 24" water pipeline could cross safely over these unique high Andean wetlands. The whole process was monitored on a monthly basis in order to assure a full recovery of the ecosystem which involved 27 'bofedales', that are a key part of the life of local communities.



Xionggou Automatic Welding Machine Accelerates Welding Work on Section of Sino-Russia Eastern Pipeline Phase 3

The Nantong-Yongzhi section of the Sino-Russia Eastern pipeline phase 3 is a key oil and gas infrastructure project. After completion, it will realise the interconnection of the Sino-Russia Eastern pipeline, the 1st West to East pipeline, and the Shanghai branch of the 2nd West to East gas pipeline. It plays an important role in optimising energy and realising energy conservation and emission reduction in the Yangtze River Delta and various provinces and cities along the line.

The 1st lot of the project is contracted by Sichuan Oil Engineering & Construction Co., Ltd. (CNPC Group), of which the pipeline length is 34.1km, with a pipeline diameter of 1422mm, pressure of 10MPa, a wall thickness of 32.1mm and it is made with X80 steel. Two spreads of Xionggou pipeline automatic welding machines are used including two units of Xionggou internal welding machines and 10 stations of Xionggou dual torch external welding machines.

The dense irrigation channels, farmhouses and temperatures above 40 degrees in the area make construction more difficult. The contractor completed a total number of 100 joints in 6 days, with a qualified rate of 98%, supported by the Xionggou technical service team.

2022 Convention Update

"Pipelines Powering a Sustainable Future"

19 to 23 September 2022 – Prague, Czech Republic



After two years of holding virtual events due to the worldwide pandemic, the IPLOCA President, Board of Directors and the Secretariat are very much looking forward to meeting with many of our members, spouses and guests - in person - at our 54th Annual Convention taking place in Prague.

Business Networking and Knowledge

Business to Business (B2B) Meetings will be held on Thursday 22 September from 14:30 to 15:30. This year's hosts are: Bonatti S.p.A., Bechtel Pipelines, Fluor, TC Energy and Techfem S.p.A. Closer to the date of the Convention, the Executive Secretary will be sending confirmations to the delegates who have requested a meeting. As a reminder, these are being allocated on a first-come, first-served basis.

We have an excellent line-up of speakers for the Open General Meetings (OGM) who will cover topics related to the convention theme of "Pipelines Powering a Sustainable Future" (see the June 2022 Newsletter for their profiles).

This year, the Poster Sessions will be hosted on Thursday and Friday during the OGM coffee breaks thus giving maximum exposure to the hosts. The following member companies will be exhibiting their latest projects and technologies: CRC- Evans; Cyntech Group; Denso GmbH; Gulf Energy Information; LCS Cable Cranes GmbH; Monti-Werkzeuge GmbH; Pipeline Induction Heat; and Winn & Coales International.

Adapting to Changes in the Industry

IPLOCA is moving with the times and adapting to the evolution of the pipeline industry as it faces the challenges of a sustainable future. IPLOCA President, Gonzalo Montenegro, will share key initiatives with members and present the new IPLOCA logo and slogan, the IPLOCA promotional video, and changes to the IPLOCA By-laws. The Chair of the HSE & CSR Committee, Bruno Pomaré, will introduce the IPLOCA Green Label and the IPLOCA Quality Award, both starting in 2023.

Cultural Programme and Spouses

In addition to the many business meetings, networking opportunities and the usual 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.

Spouses are very welcome and are encouraged to attend the Convention and make the most of the cultural and social events. Those attending the Spouses' Brunch on Friday morning will have the opportunity to learn how to prepare well known cocktails. They can also test their skills at guessing the country of origin of various wines of the world and identifying the hidden aromas.

All registered delegates will have access to the Convention App to easily keep up to date with information concerning the convention programme. See you in Prague!

2022 IPLOCA Awards

The laureates of the IPLOCA awards for Health & Safety, the Environment and Excellence in Project Execution will be announced during the 54th Annual Convention in Prague.



These awards are intended to recognise those leading companies that are always in search of excellence, while being a source for sharing new ideas. We thank all members who provided submissions. The winners and runners-up entries will be posted on our website after the Convention.



The 2022 IPLOCA Health & Safety Award, sponsored by TC Energy, recognises initiatives aimed at improving health and safety in the pipeline industry. Entries received:

- **Bonatti S.p.A.**
Multi Component Liquid Semi-Automatic Spray Machine
- **Caterpillar Inc.**
Cat® Vision System with Personnel Detection
- **J. Murphy & Sons Limited**
Culture Development Programme: a Journey, not an Event
- **Ledcor Pipeline Limited**
Mental Health Promotion Programme
- **Max Streicher GmbH & Co. KG aA**
Paywelder with Protective Platform + Remote Control
- **Michels Corporation**
Cornerstones of HSE
- **Saipem S.p.A.**
 - Anticollision System MAN-MACHINE
 - A 24-hour Streaming Marathon to Celebrate World Day for Health & Safety at Work
 - 10 Years of Workforce Engagement: Sharing Love for Health & Safety

- **Sicim S.p.A.**
PDT: Personnel Detection Tool
- **Spiecapag SAS**
Interactive Exclusion Zone Awareness
- **U.S. Pipeline Inc. (USPL)**
3-Second Safety: a Line-of-fire Accident Prevention Technique



IPLOCA Environmental Award Sponsored by Shell

The 2022 IPLOCA Environmental Award, sponsored by Shell, recognises a significant contribution in reducing the impact of pipeline construction on the environment. Entries received:

- **Bonatti S.p.A.**
Innovated Erosion & Sediment Control Planning in Pipeline Execution
- **Kalpataru Power Transmission Ltd.**
 - Adopting Inverter Welding Machine
 - Digitalise Radiography
- **Max Streicher GmbH & Co. KG aA**
HDD80-E as a Sustainable Solution in Pipeline Technology
- **Precision Pipeline, LLC**
Dewatering Solutions: Responding to Changing Expectations
- **Sicim S.p.A.**
Roots Around the World: Giving Back to Nature by Planting Trees
- **Spiecapag SAS**
Erosion, Sediment Control and Drainage (ESCD)
- **Vermeer Corporation**
The Fully Electric HDD Jobsite



IPLOCA Excellence in Project Execution Award

The 2022 IPLOCA Excellence in Project Execution Award is presented in recognition of an outstanding project execution in onshore or offshore pipeline, or facilities construction. Entries received:

- **A.Hak Groep B.V.**
A.Hak Enters Guinness Book of World Records: Humber Pipeline Project
- **Bonatti S.p.A.**
Dry Gulch Crossing Design
- **Kalpataru Power Transmission Ltd.**
Innovative Solution for Centralised Project Management
- **Precision Pipeline, LLC**
Line 3 Replacement Project: Northern Minnesota, U.S.A.

Health, Safety, the Environment & CSR



2021 IPLOCA HSE Statistics Report

The good news is that the number of fatalities has decreased compared to last year even if the 2025 target of zero fatalities has not as yet been reached. Three fatal incidents on worksites have been reported by IPLOCA members.

The HSE & CSR Committee advises IPLOCA members to adopt behavioural safety programmes which are considered the best practice in the industry. Continuous efforts still need to be maintained to eliminate fatalities in the pipeline industry. The positive trend for Near-Misses which reached the 2020 target set by IPLOCA is maintained in 2021.

Graphics show a major decrease of lost-time injuries and an increase in total recordable incident rates. The Committee highly recommends all IPLOCA members to focus on training and share industry best practices using the HSE Shared Experiences Platform: www.iploca.com/hseplatform.

As during the previous year, special attention should be given to incidents involving falls which account for almost one third of Lost Workday Injuries (LWI). Incidents involving hand tools represent the second biggest source of LWI (20%). With regards to environmental incidents reported, the frequency of incidents has reached its lowest level over the ten last years. The number of overall training hours (both on safety and the environment) has slightly increased this year, so it is advised to continue to pursue efforts in terms of management commitment.

We encourage all our members to share their best practices and case studies to populate our HSE Platform. The Committee is seeking to assist companies to adopt best practices by working together while providing training and networking within the industry, so as to minimise the risks associated with the design, construction, operation and decommissioning of pipeline projects.

We urge you to read through this year's report (available on www.iploca.com/news-media/hse-statistics) and take appropriate and purposeful action for the future.

IPLOCA Fall Sessions: HSE & CSR Workshop

**Sustainability Throughout the Life Cycle of a Pipeline Project
Tuesday, 18 October 2022**

Hotel Catalonia Barcelona Plaza - Barcelona, Spain



The next HSE & CSR Workshop will take place in Barcelona, as an integrated event along with the Novel Construction Fall Session, which will be held on 19 and 20 October. The workshop agenda will include morning presentations by industry specialists on the development of sustainable projects. In the afternoon, participants will be divided into small working groups, and each group will present its findings.

Registration for these IPLOCA Fall Sessions is required and is free of charge. Please complete the registration form by **Thursday, 15 September**. Further information on the workshop is available on our website at www.iploca.com/event/2022-hse-csr-workshop.

We look forward to welcoming you to Barcelona for a productive session on sustainability in the pipeline industry, followed by the Novel Construction Meetings.

Innovation

IPLOCA Fall Sessions: Novel Construction

The IPLOCA Fall Sessions take place from 18 to 20 October 2022 at the Hotel Catalonia Barcelona Plaza in Barcelona, Spain, and incorporate the HSE & CSR Workshop and the Novel Construction Meetings. Attendance at these Fall Sessions for member and non-member companies is free of charge; however, registration is required before the deadline of Thursday, 15 September.

The detailed agenda for the Novel Construction Sessions will be announced mid-September and will be available on our website: www.iploca.com/event/iploca-novel-construction-fall-session-2022 where you can find further information including the hotel and meeting reservation form.

Following the HSE & CSR Workshop on Tuesday, 18 October, the Novel Construction programme will include an open forum on Wednesday morning for member and non-member companies to present their latest developments within the industry, group work to further develop the content of the "Road to Success" mobile application, and group presentations on Thursday morning.

If you would like to suggest a presentation for Wednesday, please submit the title and a brief outline to gregoire.demontmollin@iploca.com as soon as possible as there are only a few slots available.

Should you wish to participate in a working group, please contact the appropriate group leader.

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



IPLOCA Yearbook 2022-2023

We are pleased to announce the planned publication of a brand new 56th edition of the IPLOCA Yearbook in November 2022.

Advertising

To make publication of the Yearbook possible we kindly ask for your support and participation. Advertising rates and specifications are published on our website www.iploca-yearbook.com. You can reserve your advertising space by using the online reservation form. The closing date for reservations and sending in materials is **30 September 2022**.

Company listing & photo gallery

There is still time to make any listing changes for this edition. Changes can be done on the IPLOCA website with the account your company's IPLOCA Key Representative received: www.iploca.com/login. For more information please contact support@iploca.com.

We also ask your help in supplying us with images of pipeline & offshore construction work, usage of pipeline equipment and other pipeline & offshore contracting related activities for the photo gallery. Please send your images with the project location and description to advertising@iploca-yearbook.com.



Regional Meeting

Latin America

The Latin America region will hold their Regional Meeting at the Marriott Hotel in Santa Cruz de la Sierra, Bolivia on Wednesday, 7 December in conjunction with the December IPLOCA Board Meeting.

A cocktail evening is planned for Tuesday, 6 December. For further details on this event as we get closer to the date, please visit the IPLOCA website or contact jacqueline.tempel@iploca.com.

IPLOCA Media Partners

All three of our Media Partners have renewed their contracts for another three years, which include editorial opportunities available for all IPLOCA members.

Gulf Energy Information has kindly offered a subscription discount of 20% for IPLOCA members who would like to use their Global Energy Infrastructure (GEI) Pipeline database, the leading market intelligence platform,

effectively addressing the ongoing evolution of the international energy industry. Members are also able to sign up for a complimentary digital subscription of Pipeline & Gas Journal; your data will not be transferred to a 3rd party.

If you are interested in these offers please contact: jacqueline.tempel@iploca.com.

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During 2022, its 7th year, the IPLOCA Scholarship Programme has awarded 20 scholarships valuing a total of USD 90,000 to help the next generation pursue their chosen field of study.

Scholarships are offered to assist children and grandchildren of employees of IPLOCA member companies who plan to continue their education in college, university, or vocational school programmes. This year, there were no company-sponsored scholarships.

A total of 83 completed applications were submitted, with 30% coming from one Associate Member. Applications were received from all regions except for Central Europe. 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 60% 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 recipients of this year's scholarships will be announced at the Convention taking place in Prague.

It is important to note that the cost of the scholarship fund is over CHF 100,000 per year, and it is no longer sustainable for IPLOCA to continue funding this initiative; IPLOCA is a not-for-profit organisation.

The Board of Directors has agreed that only half the number of scholarships will be awarded in 2023.

Upcoming Events

2022

We recommend you check individual websites to ensure an event is taking place.

Gastech Exhibition and Conference 2022

5-8 September – Milan, Italy

www.gastechevent.com

IPLOCA 54th Annual Convention

19-23 September – Prague, Czech Republic

www.iploca.com/events/annual-convention



APGA Convention and Exhibition

24-27 September – Brisbane, Australia

www.apga.org.au

10th Annual Global EPC Project Management Summit

28 - 30 September – London, U.K.

www.opexgrp.com/upcoming-events.aspx

IPLOCA Fall Sessions

HSE & CSR Workshop & Novel Construction Sessions

18-20 October – Barcelona, Spain

www.iploca.com



Asian Downstream Summit

26-27 October – Singapore

asiandownstreaminsights.com/asian-downstream-summit

ADIPEC

31 October - 3 November – Abu Dhabi, U.A.E.

www.adipec.com

Pipeline Leadership Conference

15-16 November – Houston, TX, U.S.A.

www.plconference.com

IPLOCA Latin America Regional Meeting

6-7 December – Santa Cruz de la Sierra, Bolivia

www.iploca.com



Important IPLOCA Deadline

Member News for IPLOCA December Newsletter

31 October – Deadline for submissions

newsletter@iploca.com



Nominations to the 2022-2023 Board of Directors

Nominations to the IPLOCA Board of Directors takes place every year, traditionally at the Annual Convention, as seats become vacant. Most nominated board members serve for two years and their second year is also confirmed during the nomination meeting.

Designated member representatives (one from each member company) should attend a short, 30-minute meeting of their appropriate geographic region (Regular Members) or the Associate Member meeting, on **Thursday 22 September** during the 2022 Annual Convention taking place in Prague, Czech Republic.

Vacant Seats for 2022/2023 Board

| Region | Director | Status for 2021 |
|----------------------|--------------------|-----------------------------------|
| America North | Kelly Osborn | Officer |
| | Bobby Poteete | Vacant seat |
| East & Far East | Virendra Varshney | 2 nd year confirmation |
| | Ma Chungqing | Vacant seat |
| Europe Central | Gerben Wansink | Vacant seat |
| Europe Eastern | Vladimir Ermolin | Vacant seat |
| | Mustafa Kopuz | Vacant seat |
| Europe Mediterranean | Christophe Dugail | Vacant seat |
| | Roberto Castelli | Officer |
| Europe Northwest | Wilko Koop | Vacant seat |
| | Adam Wynne Hughes | Officer |
| Latin America | Gonzalo Montenegro | Vacant seat |
| | Giacomo Bonfanti | 2 nd year confirmation |
| Middle East & Africa | Najib Khoury | 2 nd year confirmation |
| | Vacant seat | Vacant seat |
| Associate Members | John Tikkanen | Vacant seat |
| | Robert Linder | Vacant seat |
| | Andrew Stuart | 2 nd year confirmation |

Applications received from candidates for vacant seats are posted on www.iploca.com/about-us/board-of-directors/vacant-seats-september-2022.

The slate of nominations will then be presented to the membership for ratification at the Annual General Meeting (AGM) being held in Prague on **Friday 23 September**. Appointment of directors-at-large and of directors, to seats that still remain vacant after the Regular and Associate Member Nomination Meetings, will be made by the newly elected 2022-2023 Board at their meeting immediately following the AGM. Please note: the 2021 Special General Meeting exceptionally increased the maximum number of 5 Directors-at-Large to the number shown on the next page.

Responsibilities of Board Membership

By running for nomination to the IPLOCA Board of Directors candidates agree to fully support the organisation and its mission through regular attendance and active participation in meetings and events, including four board meetings a year that require international travel with their spouse.

Please note that an absence from any two consecutive meetings, or a total of three meetings during the two-year Board membership term, results in automatic dismissal from the Board of Directors.

A full list of the duties and commitments of directors is available on our website.

IPLOCA Board of Directors 2021-2022

OFFICERS



Gonzalo Montenegro
SEPCON
President
Director, Latin America



Adam Wynne Hughes
Pipeline Induction Heat
Treasurer
Director, Europe Northwest



Kelly Osborn
U.S. Pipeline, Inc.
1st Vice President
Scholarship Project Lead



Leon Richards
McConnell Dowell Corporation Ltd
Immediate Past President



Roberto Castelli Bonatti S.p.A.
2nd Vice President
Director, Europe Mediterranean



EXECUTIVE SECRETARY
Juan Arzuaga

DIRECTORS



Giacomo Bonfanti
G.D.I.
Director, Latin America



Vladilen Ermolin
PTPS JSC
Director, Europe Eastern
(standing down)



Wilko Koop
A.Hak Groep B.V.
Director, Europe Northwest



Andrew Stuart
Winn & Coales International Ltd.
Director, Associate Members



Virendra Varshney
Kalpataru Power Transmission Limited
Director, East & Far East



Ma Chungqing
China Petroleum Pipeline Engineering Co. Ltd. (CPP)
Director, East & Far East



Mustafa Kopuz
Tekfen Insaat VeTesisat
Director, Europe Eastern



Robert Linder
Liebherr-WerkTelfs GmbH
Director, Associate Members



John Tikkanen
Seal for Life Industries
Director, Associate Members



Ibrahim Zakhem (resigned)
Zakhem International Construction Ltd.
Director, Middle East & Africa



Christophe Dugail*
SPAC
Director, Europe Mediterranean



Najib Khoury
Consolidated Contractors Company (CCC)
Director, Middle East & Africa



Bobby Poteete
Precision Pipeline, LLC
Director, America North



Gerben Wansink*
Maats Pipeline Professionals
Director, Europe Central
Innovation Committee Chair

* appointed by the Board of Directors

DIRECTORS-AT-LARGE



Doug Bailey
Caterpillar Inc.



Adel Botros
Al-Qahtani Pipe Coating Industries



Leonardo Gravina
SICIM S.p.A.



Bruno Pomaré
Spiecapag
HSE & CSR Committee Chair



Meletis Tzaferis
Swiss Approval International



Andrew Ball
J. Murphy & Sons Ltd.
Energy Transition Group Chair



Francesco Ferrini
Techfem S.p.A.
(resigned)



Abdullah Al Mahmud
The Pipeline Engineers & Associates Ltd. (PEAL)



Bill Solomon
Vacuworx
Membership Committee Chair



Johan Van Wassenhove
Denys



Robert Bell
Price Gregory International, Inc.



Yasar Giregiz
Fernas Construction Company



Iosif Panchak
J.S. Welding & Building Co.
(resigned)



Roger Spee
CRC-Evans Pipeline International
Convention & Board Meeting
Project Lead



Tim Zboya
Bechtel Pipeline



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