



IPLOCA

TOGETHER - DELIVERING SUSTAINABLE ENERGY INFRASTRUCTURE

Newsletter

December 2022

Number

93



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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 Newsletter

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Letter from the President

I want to thank everyone who made it to Prague to enjoy our first Convention in three years. So much was accomplished there: a rebranding initiative was finalised, introducing a new name and logo, which we all hope illustrate a transition into a new era for our Association.

The new logo was adopted with the future of the energy transportation business in mind. The transition to alternative energy sources creates new opportunities for each of our organisations, and IPLOCA looks to assist our members in educating themselves about new possibilities that will help ensure the energy needs of all are met.

I would like to extend my deepest appreciation to Gonzalo Montenegro for his leadership during his 2021-2022 term. He was the perfect leader to transition out of the pandemic and reinvigorate our Association. The results of this year's Board of Directors' nominations added some incredible talent and I am looking forward to working with them.

One of IPLOCA's goals this year is to hold at least three Regional Meetings. Given the challenges most of our members are facing, we recognise the sacrifices that must be made to attend these meetings. The next Regional Meeting is scheduled for 6-7 December in Santa Cruz de la Sierra, Bolivia. During this, and other upcoming Regional Meetings, you and your peers will have an opportunity to discuss the issues that your region is facing, with a group of your colleagues, peers, and customers. One of the greatest traits of people in our industry is their capacity to solve problems. Imagine what can be done when a group of us come together to collectively address problems. Make plans now to attend the meeting in your region; you will enrich yourself, your business, and our industry!

There are no better ambassadors for IPLOCA than our current members. Another of our missions for the upcoming year is to grow our membership, in all categories. I would like to challenge every Regular Member to reach out to your best customers and ask them to join the Association as Corresponding Members. There is no cost to become a Corresponding Member and the benefits of membership include being a part of a forum for sharing ideas on a regional and international basis, facilitating relationships, and networking opportunities.

It is a great honour to have been chosen to serve the members of this great Association. Please reach out to me or the IPLOCA Secretariat if you have any concerns or ideas for improvement. I look forward to seeing you in person in the very near future.

With best regards,

A handwritten signature in blue ink, appearing to read 'Kelly Osborn'.

Kelly Osborn, U.S. Pipeline Inc.
IPLOCA President 2022-2023

News from Geneva



Going Green: Introducing a New Logo, Slogan, Video and Green Label

IPLOCA continues to modernise itself to make sure it is aligned with current business needs. During the Annual General Meeting held in Prague at the 54th Annual Convention, the President, Gonzalo Montenegro of SEPCON announced a number of changes to the Association.

A new logo with the slogan 'Together – Delivering Sustainable Energy Infrastructure' has been developed, representing IPLOCA's ambition to address the shift in mentality as the industry is working more and more with renewable energy sources.

The introduction of a green label will start in January 2023 to accredit member company activities that are in line with specific environmental standards. This is an important initiative to address sustainable development that is in accordance with current industry requirements.

To be able to easily explain the role of IPLOCA to potential new members, a promotional video has been created in English and Spanish and can be viewed on the Association's website: www.iploca.com/about-us

Lastly, the By-laws have been updated to further expand IPLOCA's objectives, incorporating all energy related services offered by its members and also to allow for an AGM to be held virtually in the event of another pandemic or any other reason that would inhibit holding in-person meetings.

Season's Greetings

IPLOCA's Board of Directors and the staff of the Secretariat would like to thank everyone who has contributed to the work of the Association during another challenging year.

Meeting up face-to-face once again has highlighted our appreciation of your friendships and we are also grateful to you for your expertise and the time you have shared with us. In 2023 we look forward to continuing to support our members as the industry transitions to new energy sources. Our very best wishes for a healthy, safe and revitalised new year!



Greg's 5th Anniversary



Congratulations to Gregoire de Montmollin (Greg) for his fifth anniversary with IPLOCA!

"It's been quite a journey so far and I am proud of what I have been able to accomplish over the years,

particularly with the support of a great team", stated Greg. Having graduated from the Ecole Hôtelière de Lausanne in 2016, where he obtained his Bachelor of Science in International Hospitality Management, Greg joined IPLOCA in November 2017 as the Innovation & Convention Coordinator. Today, he fully manages IPLOCA's technical events such as the Novel Construction Initiative and the Regional Meetings (upon request). He is also responsible for the IPLOCA Members Technology Platform that was launched in June 2020. In addition he coordinates external communications, promoting the latest IPLOCA updates on social media and managing the website. He still works closely alongside the Convention Manager as dedicated Convention Coordinator and in fact had to temporarily step into her shoes for this year's Convention in Prague, due to the Manager being on sick leave. We wish him all the best in meeting the next challenges to come his way within the Association.



Board Meeting Update

18-23 September 2022

Prague, Czech Republic

The President was delighted to welcome the Board to the Annual Convention in Prague, having been postponed for two years. The following highlights the main discussions and decisions made during their meetings.

Safety Moment

Bruno Pomaré presented a video of a truck offloading asphalt for road construction. As the truck slowly advanced spreading the asphalt it suddenly touched some overhead electricity wires, the tyres burst into flames and the driver was instantly electrocuted. This video demonstrated the importance of having goalposts set up and having the correct safety measures in place.

Minutes of the Dublin Board Meeting

The minutes of the previous Board Meeting were reviewed, and comments were made on the action items. It was noted that Dario Camozzi from Bonatti had joined the Energy Transition Working Group (renamed the Energy Transition Committee), led by Andrew Ball of J. Murphy & Sons.

Treasurer's Report

Adam Wynne Hughes mentioned he was delighted to see an increase in the membership figures, which will reflect positively on IPLOCA's funds. This quarter saw an increase in funds as some unpaid membership fees were received. At the time of the meeting, 95% of Regular Member and 93% of Associate Member annual fees had been paid. Fewer Convention fees had been received compared to the forecast, possibly partly due to the war in Ukraine and the fact that certain countries still have travel bans in place. Overall, however, IPLOCA funds have been positively impacted and it looks like the Association is on track to finish the year on budget.

The Treasurer reminded the Board that, as the highest cost initiative, the Scholarship Programme is unsustainable and that it is important to find funding alternatives, despite the decision to reduce the awards to ten for 2023.

Membership

It was decided that the Membership Committee will be renamed the Membership & Communication Committee. Bill Solomon as Chair will provide guidance about communications.

IPLOCA's membership stands at 85 Regular Members, 108 Associate Members and 30 Corresponding Members.

The following membership applications had been approved:

- **Advance Technology Co. Ltd.**, Canada - Associate Member
- **Gascontrol Polska Sp.z.o.o.**, Poland - Regular Member
- **Mapa Construction**, Turkey - Regular Member
- **TiaJin Pipeline Energy Technology Co. Ltd.**, People's Republic of China - Regular Member
- **SACDE**, Argentina - Regular Member

Resignations were received from:

- **Shawcor** - Regular Member
- **Pipeline Technique** - Regular Member
- **Perma-Pipe** - Associate Member

The following company has changed its name:

- The C.A.T. Group of Companies to **C.A.T. Offshore S.A.L.**

Honorary Membership

It was announced that Najib Khoury of CCC had been nominated for honorary membership, having deemed by at least five IPLOCA Regular Members to have performed distinguished service to the pipeline industry and the Association. See page 11 for his profile.

AGM and Changes to the By-laws

It was planned to show the new IPLOCA logo and slogan

during the President's "Year in Review" presentation. The newly updated promotional video was also to be presented and the new green label as it is important for the Association to support sustainability in the marketplace. The criteria for obtaining the green label should be incorporated into the HSE annual statistics questionnaire.

As per the By-laws, the President planned to ask the membership for approval to changes made to the By-laws, to modernise and update them, such as being able to hold an AGM remotely when necessary. All types of energy are now covered, and the Association will now simply be known by its acronym, IPLOCA.

IPLOCA Central Europe Region Expanded

In accordance with the By-laws, it was agreed to move Czech Republic and Poland from Europe Eastern to Central Europe, to boost the number of countries in the latter region.

New Media Partner: Pipeline Gas Expo

The Board decided to accept the offer of Media Point & Exhibitions Srl, Genova, Italy, founded in November 1992 by Fabio Potesta, to become an IPLOCA Media Partner, joining Benjamin Media, Gulf Energy Information and Palladian Publications.

Convening of the 2022-2023 Board of Directors

On the Friday of the Convention week, the retiring President, Gonzalo Montenegro stated that it had been an interesting year and thanked the Board for all their hard work and their input. He then thanked the board members who had finished their terms and the retiring directors left the room. The 2022-2023 Board convened.

The retiring President, Gonzalo Montenegro, tabled the 2022-2023 officers' names and the Board voted unanimously to appoint Kelly Osborn as President, Roberto Castelli as 1st Vice President, Leon Richards as 2nd Vice President and Adam Wynne Hughes as Treasurer.

As per the By-laws article 10.1.5 it is possible for the Board to vote for a director to be President twice. Since Leon Richards was President during the pandemic, it was deemed that he was not even given the opportunity to conduct any in-person board meetings, as one of the many benefits of the role.

The Board therefore proposed Leon Richards as 2nd Vice President for 2022-2023, to hold the President's seat for a second time during the 2024-2025 term.

Elected Directors

- **America North:** Robert Bell (Price Gregory International Inc.), Kelly Osborn (U.S. Pipeline, Inc.)

- **East & Far East:** Leon Richards (McConnell Dowell Corporation Ltd.), Virendra Varshney (Kalpataru Power Transmission Limited)
- **Europe Eastern:** Mustafa Kopuz (Tekfen Insaat Ve Tesisat), Yasar Giregiz (Fernas Construction Company)
- **Europe Mediterranean:** Roberto Castelli (Bonatti S.p.A.), Bruno Pomaré (Spiecapag)
- **Europe Northwest:** Andrew Ball (J.Murphy & Sons Limited), Adam Wynne Hughes (Pipeline Induction Heat Ltd.)
- **Latin America:** Giacomo Bonfanti (GDI)
- **Middle East & Africa:** Saji Khoury (CCC)
- **Associate Members:** Edgar Chavez (ALLU Group), Gian Marco Dondi (SCAIP S.p.A.), Andrew Stuart (Winn & Coales International Ltd.)

Appointment of Directors and Directors-at-Large

There being vacant seats in three regions due to a lack of candidates during the nomination process, Kelly Osborn proposed the appointment of Gerben Wansink (Maats Pipeline Professionals) and Wilko Koop (A.Hak) as directors for Europe Central, and Adel Botros (Al-Qahtani Pipe Coatings Industries) and Tim Zboya (Bechtel) as the second directors for Middle East & Africa and Latin America, respectively. It was suggested that since Bechtel has many projects taking place in Latin America, it makes sense to appoint Tim to this position. The above candidates were unanimously accepted by the Board. The names of the proposed Directors-at-Large were tabled by Kelly Osborn.

The Board then voted unanimously to appoint Doug Bailey (Caterpillar Inc.), Leonardo Gravina (SICIM S.p.A.), Robert Linder (Liebherr -Werk Telfs GmbH), Bill Solomon (Vacuworx L.L.C.) and Roger Spee (CRC- Evans Pipeline International Inc.).

Juan Arzuaga apologised on behalf of Edgar Chavez, Director Associate Members who was unable to attend the meeting.



Incoming President Kelly Osborn presented Gonzalo Montenegro with his presidential pin

Committees

The 2022-2023 Board will run four committees and two projects as follows:

HSE & CSR Committee

Chair: Bruno Pomaré. Leadership: Andrew Ball, Robert Bell, Robert Linder, Roger Spee.

Innovation Committee

Chair: Gerben Wansink. Leadership: Doug Bailey, Roberto Castelli, Edgar Chavez, Leonardo Gravina, Wilko Koop, Virendra Varshney, Tim Zboya.

Energy Transition Committee

Chair: Andrew Ball. Leadership: Giacomo Bonfanti, Doug Bailey, Gian Marco Dondi, Saji Khoury, Mustafa Kopuz, Leon Richards

Membership & Communication Committee

Chair: Bill Solomon. Leadership: Robert Bell, Giacomo Bonfanti, Adel Botros, Yasar Giregiz, Andrew Stuart

Convention & Board Meeting Project

Project Lead: Roger Spee

Scholarship Programme Project

Project Lead: Kelly Osborn

Regional Meetings

- Latin America

Santa Cruz de la Sierra, Bolivia - 7 December 2022

- East & Far East

Melbourne, Australia - 22 March 2023

- Europe Mediterranean

Lisbon, Portugal - 7 June 2023

It is hoped that a Europe Central Regional Meeting can be organised in either April or May 2023.

Next Board Meeting

The next Board Meeting will be held from 6 to 10 December in Santa Cruz de la Sierra, Bolivia, incorporating a Latin America Regional Meeting.

World Federation of Pipe Line Industry Associations

Members of the WFPIA (World Federation of Pipe Line Industry Associations) met during IPLOCA's Annual Convention in Prague.

Discussion points on the agenda for the meeting included: a review of the calendar of events of all members of WFPIA; the status of the industry worldwide; negotiation criteria and challenges faced to reach agreements with convention hotels; initiatives of common interest; potential new Sister Associations to be invited to join and an update of the new principals of each Sister Association.



From left to right: Kevin Barrett (PLCA), Leon Richards (APGA), Kate Lazenby (PIG), Russell Keller (PLCAC), Kelly Osborn (IPLOCA), Neil Lane (PLCAC), Adam Wynne Hughes (PIG), Rob Darden (DCA), Juan Arzuaga (IPLOCA), Kevin Parker (DCA), Kevin O'Donnell (PLCAC).

New Directors

on the 2022-2023 IPLOCA Board



We warmly welcome the following directors, as a result of the 2022-2023 elections and nominations.



Edgar J. Chavez
Director, Associate Members

Edgar J. Chavez is President, North America at ALLU Finland OY, a global leader in material processing attachments used in construction, mining, pipeline, utility, environmental and soil remediation industries, which

recently joined IPLOCA. He has an extensive U.S. domestic and international background combined with a track record in increasing sales and market share, strengthening brands, and improving profitability for world leading manufacturing and distribution companies, such as Mitsubishi International Corporation, Astec Industries, CNH Industrial, Gradall Industries Inc. and PACCAR.

With proven leadership talent and an expertise in rapidly assessing sales, marketing and engineering organisations, he has demonstrated strong capabilities in revitalising businesses and producing measurable outcomes. He is an MBA graduate of the Inter American University of Puerto Rico, is bilingual in English and Spanish, and has a strong understanding of Portuguese and Japanese.

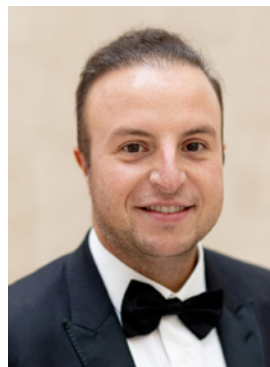
He lives in Oklahoma, U.S.A. with his wife Carrie and has been married for 34 years. In his spare time he likes working on cars and occasionally flying.



Gian Marco Dondi
Director, Associate Members

Gian Marco Dondi is Business Development Manager at SCAIP S.p.A., a company owned by his family, and is a native Italian speaker. During his bachelor studies in Management and Production Engineering in Milan, he did an internship at SCAIP, which led him to consulting for the company for several months.

Then during his MA studies in Management in International Business, London, he did an internship at Siem Car Carriers, where he gained valuable commercial and legal awareness, to add to his previous experience in accounting and understanding financial figures. In his current role, Gian Marco is in charge of developing new market areas. He lives in Parma, Italy with his wife, Michelle.



Saji Khoury
Director, Middle East & Africa

Saji Khoury is the eldest son of Samer Khoury, Chairman of Consolidated Contractors Company (CCC), who was a former IPLOCA Board Member and Past President from 1996 to 1997.

Saji is currently Business Development Manager at CCC, headquartered in Athens, Greece. He is also a member of the in-company Public Relations, Corporate Social Responsibility and Training Committees.

Having spent his whole career at CCC, he started off as an Estimation Engineer in 2015, then site engineer for pipelaying activities in Qatar and moved on to become Deputy Country Manager from 2018 to 2020, supervising eight ongoing construction projects in the country.

Saji is a Civil Engineer by education and is currently completing a joint MBA programme at London and Columbia Business Schools.

Of Arabic mother tongue, he speaks English and French fluently and conversational Greek and Spanish. In his spare time he enjoys running and playing tennis.

Membership Centre

New Regular Members



Gascontrol Polska Sp. z o.o. is a part of Gascontrol Group consisting of 10 companies, hiring over 1000 professionals.

Gascontrol Polska, through its industry experience, ensures quality that meets market requirements and international standards. The company has accomplished over 300km of strategic pipelines DN300 – DN1000; over 500 natural gas regulating stations, LNG and valve stations; 6 gas compressor stations; over 500 contracts on hot-tapping/TD Williamson/FASTRA services; over 30 CNG stations; over 30 bio-gas plants (including 3 biogas to methane), induction pipe bending of DN100 – DN700 and, production of PE pipes in dimensions DN25 – DN315. They have implemented an Integrated Management System compliant with PN-EN ISO 9001: 2015, PN-EN ISO 14001: 2015, PN-ISO 45001: 2018, and welding compliant with PN-EN ISO 3834-2: 2007.

Gascontrol Polska Sp. z o.o.

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43-267 Suszec

Poland

T +48 32 448 34 08

biuro@gascontrol-polska.pl

www.gascontrol-polska.pl



SACDE, Sociedad Argentina de Construcción y Desarrollo Estratégico,

is Argentina's leading company in integrated engineering, procurement, construction, and services activities in the oil & gas, power generation, mining, transport & sanitation infrastructure, and architectural works segments. Having more than 4,000 employees and 45 years of experience, SACDE stands out for its professional capacity and operational excellence in the execution of largescale and complex projects. It has installed over 7,000 km of pipelines for the oil & gas industries, more than 4,000 MW of electric power generation works, 3,000 km of high-voltage lines, supplied 100 MW of wind power generation, around 6,000 km of roads and 1,000,000 m² in buildings, housing and architectural works, all of which demonstrate its scale and contribution to national and regional development.

SACDE

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Mapa Insaat Ve Ticaret A.S. is one of the leading international

contractors in Turkey, working within the construction, infrastructure, hospitality, renewable energy, airports and air freight sectors across EMEA since 1978. Mapa Group ranked 114th in Engineering News-Record's Top 250 International Contractors List for 2021.

Since its incorporation, the Group has completed hundreds of challenging infrastructure projects, including water transmission and distribution systems, airports, bridges, tunnels, roads, highways, bridges, dams, silos, industrial power plants, water treatment plants and irrigation systems.

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Tianjin Pipeline Energy Technology Co., Ltd. focuses on

equipment research and development, manufacturing, sales, leasing, and technical services for pipeline projects. The company has a number of pipeline construction experts, and can provide targeted construction equipment configuration solutions to meet the general needs of customers for different construction conditions. Based on the construction technology, they can develop new pipeline construction equipment, upgrade pipeline construction equipment, improve the efficiency of pipeline construction, ensure the construction quality and reduce the construction cost, and they have provided a series of mechanised equipment for joint coating processes, and a series of equipment for mountain construction and water network construction.

Tianjin Pipeline Energy Technology Co., Ltd.

No. 8 Guxing Road

Jingbin Industrial Park

Wuqing District, Tianjin City

People's Republic of China

T +86 222 947 7939

www.pipelinen.com

New Associate Member



Advance Technology Co. Ltd.
specialises in the supply of
products and services for the

oil, gas, water and district energy markets with experience in providing innovative solutions for pipe, pipeline coatings and field joints. Their highly qualified team supports the client's activities to design and build pipeline projects safely and reliably. Advance Technology is focused on developing new technology to support pipeline coating and installation and to ensure their products meet and exceed their client's requirements and industry standards.

Advance Technology Co. Ltd.

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Canada
T +1 416 904 9043
info@advance-tech.ca
www.advance-tech.ca

IPLOCA Membership Fees

Invoices for 2023 membership fees were sent by email early November.

The payment due date is Monday, 2 January 2023. Please note that paper copies of invoices will only be sent by postal mail upon request. Membership certificates will be sent out following receipt of payment. If you have any questions, please contact IPLOCA's Accounting Manager, sebastien.goetschmann@iploca.com.

IPLOCA Membership

As of 30 November, IPLOCA's membership stands at:

84 Regular Members
108 Associate Members
31 Corresponding Members
4 Academic Members
7 Honorary Members

New Honorary Member Najib Khoury



One of the highest honours that IPLOCA is able to bestow on any individual is that of Honorary Member. In order to receive this honour a person must have performed distinguished services to the onshore or offshore oil & gas industry and/or to the Association.

Najib Khoury is a previous Board Member and a Past President of IPLOCA and has clocked up many years of service within the industry. His journey with IPLOCA started

when the Annual Convention was held in Athens, Greece in 1984. Since then he and his wife, Nawal have attended all the conventions except two: one in Boston in 1987 and the other one in Mexico in 2017. He served on the Board of Directors from 2008 to 2016, 2018 to 2020 and 2021 to 2022 and was elected President for 2013-2014.

After graduating from the AUB (American University of Beirut), Lebanon, he started work for ARAMCO in 1965 in the Ras Tanura Refinery in Saudi Arabia. He resigned after ten months and moved to Kuwait to work for Nalco Chemical Company. The focus was on the chemical treatment of water, oil and gas against scale, corrosion and fouling, starting from the wellhead to all distribution systems and process equipment. Such work required intensive travel in the Arabian Gulf countries where crude oil production was in remote and difficult desert areas and some in offshore facilities. Najib explains, "It was extremely challenging work in open areas under temperatures close to 50 degrees centigrade. In order to be able to operate in Kuwait it was a must to have an agent. CONCO (CCC) was chosen as our sponsor. Offices and other facilities were provided by CCC in Ahmadi and other locations."

In 1967, Nawal and Najib got married in Kuwait. Said Khoury, President of CCC, was their best man and Najib's mentor. Their daughter Nadine was also born in Kuwait, and then a

few years later they decided to move to a European country. In 1975 Howe-Baker Engineers, based in Tyler, Texas, U.S.A. offered Najib a good position in their newly established office in Athens, Greece. During that period, CCC had moved its headquarters to Athens as well.

A year later, Said Khoury convinced Najib to join CCC to establish and manage a business development department. The company was growing at a very fast pace and the President wanted to devote more time to its operations. Since then Najib climbed the ranks of the company to Vice President, Group Vice President, Advisor to the President and he currently holds the position of Advisor to the Chairman, Samer Khoury.

Najib commented, that one of the advantages of being a member of the IPLOCA family is one's exposure to many different nationalities and thus different cultures. He remembers, "In 2000, during one of the conventions, CCC

and NPCC decided to throw a big party in the middle of the desert. Local costumes were provided by us to around three hundred couples (600 people) who were transported to the vast desert in Dubai in four wheel drive jeeps. A true Arabian Adventure with camels rides, tents, sand surfing, fortune tellers, henna hand tattoos and.... belly dancers. Fourteen years later, during my Presidency, we repeated the same adventure in Abu Dhabi. In addition to the above, at that time there was the Ferrari World in Abu Dhabi, the only Ferrari-themed amusement park in the world. The iconic roof of Ferrari World is modelled after the side profile of a Ferrari GT. Guests enjoyed thrilling rides, exciting attractions and themed stores. Our two grandchildren, Sahara and Shaw, were there and to-date they still remember it."

"It is a great pleasure for me and my family to be elected as an Honorary Member of IPLOCA. We both treasure time spent with our living friends and feel sad when we remember the ones that have been lost."

Member News



Bin Quraya Company Awarded Water Supply Facilities Project by Saudi Aramco

Bin Quraya Co. Ltd has been awarded the Zuluf AH Development package project by Saudi Aramco, which involves construction of a water injection system facilities capable of supplying 1.063 MMBWD, with provisions to ultimately supply 3.14 MMBWD (MAOP or 1360 psig) from Jaladi aquifer water to the Zuluf Onshore Oil Facilities water treatment and water injection plants through a 42" pipeline. Overall, the project scope includes the associated disciplines including electrical submersible pumps, process automation, utilities and infrastructure like the power supply for the ESPs, chemical injection systems, 24" diameter pipeline laterals,

and one 42" trunkline with the provision of future expansion. This will accommodate a trunkline with a preliminary size of 48" to supply water for AM crude demand and water injection for the Zuluf Central Processing Facilities. The detailed LSTK/LSPB scope includes telescoping headers, manifolds with launchers and receivers, operation and maintenance of the security buildings. The LSTK/LSP has been awarded from the FEED stage with the assistance of KBR-AMCDE and construction started in August 2022. The final close out forecast is in July 2025.

DENSO Group Germany Celebrates 100 Years of Invention and Experience

2022 is a special year for DENSO Group Germany: the Group is celebrating its 100-year anniversary. Since it was





founded on 14 November 1922, DENSO has evolved from a family company to an international group, with subsidiaries in six European countries and over 100 sales partners around the world. The history of the company can be traced back to a single idea from the 1920s – to use DENSO's petrolatum-dipped gauze tape to protect the supply lines to Berlin's gas lanterns. The creative solution of using DENSO®-Tape was revolutionary for its time – the invention was the world's first reliable solution to protect pipelines against corrosion and marked the very beginning of the DENSO success story.



Gulf's New President & CEO and Involvement in Midwest Carbon Express

Gulf Companies (legal entity: Gulf Interstate Engineering) is pleased to announce that Kent Wilfur has been appointed President and CEO, effective 1 November 2022.

He is taking the helm following the retirement of Rick Barnard, who capably led Gulf for the past five years. Kent has over 32 years of industry experience in various facets of project development, project delivery, and supply chain. He has previously held senior management roles at TC Energy and Enbridge leading large complex teams in the successful delivery of project goals.

Gulf Companies is performing engineering and design services for the world's largest carbon capture & sequestration project. This system consists of approximately 2,000 miles of mainline, gathering lines and laterals (4" to 24" OD), operating at 1500 to 2200 psig. The CO₂ will be captured from more than 30 ethanol plants and several fertiliser facilities. The mainline system begins in Iowa, U.S.A. and tracks north-west into central North Dakota to three geologic sequestration sites. The system is designed to transport 12 MMTPA of CO₂.

Herrenknecht AG Receives Bauma Innovation Award 2022

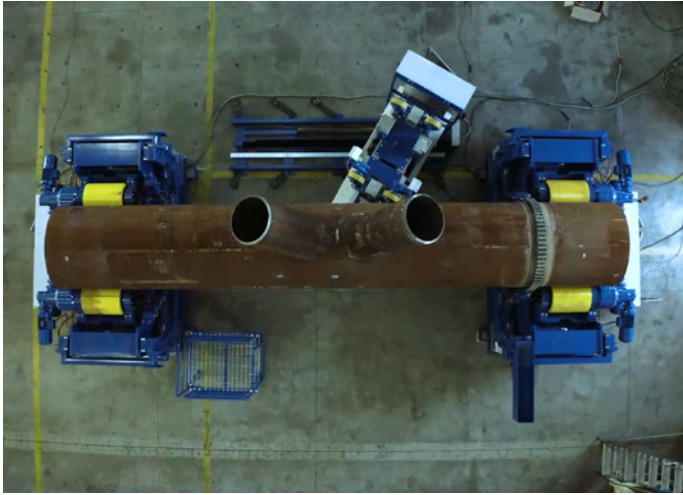
Herrenknecht AG has received the highly coveted Bauma Innovation Award 2022 in the category "Machine Technology" for the new development of continuous tunnelling. Up until now mechanised tunnelling with shield machines in soft ground has always been a stop-and-go sequential process. The new continuous tunnelling system, developed by the engineers at the Schwanau tunnelling machine manufacturer, achieves a notable increase in efficiency during tunnel construction.



Particularly in the case of longer tunnel sections, continuously organised tunnelling leads to measurable savings in construction time. At the heart of continuous tunnelling is a powerful computer system and process-specific software programmes that can precisely calculate the necessary pressures in the thrust cylinders. It ensures that the machine operator can reliably control the tunnel boring machine along the specified alignment as before. With continuous tunnelling, an increase in total tunnelling performance of up to a factor of 1.6 can be achieved compared to the previous discontinuous method. The continuous advance method is being applied for the first time by Herrenknecht's long-term innovation partner Bouygues Travaux Publics in the major High Speed 2 project (Chiltern tunnel, 2x16 km) – a new rail link between London and Birmingham in the U.K.

Goriziane E&C's Innovative Automated Fabrication Concepts

Among Goriziane's numerous products is the G-FIT (Goriziane - Fabrication Innovation Technology), which is a special equipment for jacket and platform fabrications, and multipurpose alignment operations. The system is used to make the alignment of two pipes (i.e. stub and leg/pile/can) a very precise and rapid process, with an automated system which improves productivity, increases safety and reduces manpower. It is also equipped with a 3D laser to scan and



must always strive to grow in a way that helps all other businesses and professionals in the sector and the whole community and sponsorship of such events is one way of achieving this purpose.

Serimax's Field-Proven Internal Line-Up Clamp INTERNAX

Serimax has engineered and brought to market an internal welding clamp; INTERNAX features a unique pipe re-rounding capability and ensures full penetration of the internal bead with digital welding data record. The oscillation of eight welding heads combined with welding energy regulation is also a welcome new development to the oil and gas pipeline welding industry as it brings a new quality standard, and most importantly eliminates the recurring cracks between the internal root and the start of the hot pass due to a common mis-alignment of the welding heads.



This next generation design and improvements in internal welding technology enable the highest root travel speeds to date and provide further safer production opportunities.

SICIM Expands its Footprint in Mexico

SICIM has recently increased its portfolio in Mexico with a new contract acquired through its subsidiary Constructora SICIM. This contract constitutes a key to the strategy of the CFE investment plan, aimed at increasing the capacity of the national system of natural gas transportation to extend the regional distribution coverage and to decrease the cost of power energy generation.

The Southeast Gateway Project (SGP), consisting of approximately 1,000 km of offshore pipeline as a natural extension of the existing Sur de Texas pipeline system, is the intended feedstock to Mexico's industrial facilities located along the proposed routing specifically at Mayakan (Merida and Valladolid), Salina Cruz and Dos Bocas. In the overall frame of the project, SICIM has been awarded the

must always strive to grow in a way that helps all other businesses and professionals in the sector and the whole community and sponsorship of such events is one way of achieving this purpose.

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analyse pipe data in the software's built-in system in order to allow repetitive and precise pipe positioning. G-FIT is a reliable solution for the pipe processing industry, and it can be optimised for any specific production process.

M. Al-Barghash Co. Ltd, Received Award for Sponsoring Largest International Conference Event, Saudi Arabia

Al-Barghash Co. Ltd. (MBTC) sponsored the Saudi Pipeline International Conference and Exhibition 2022 held at Dhahran Expo from 3 to 6 October, which is the largest international conference and exhibition event held with the objective of providing an environment for the exchange of pipeline industry best practices and expertise that can be used to optimise pipeline design and operational strategies.

For expressing the commitment to improving the pipeline sector through sponsoring this knowledge sharing event, M. Al-Barghash Co. Chief Executive Officer, Barghash Mohammed & General Manager, A.S. Sabha received the award from Saudi Aramco's Vice President - Pipelines Distribution & Terminals, Abdullah M. Al Mansour. The MBTC representatives said that the organisation



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contract for the installation of all the associated works with the offshore pipeline landfall in Dos Bocas, including the gas metering, regulation, and control facilities. The transition pipeline section between the offshore mainline and the onshore facilities will consist of 1 km of 36" product gas line inserted in a 48" pipe sleeve installed with the Direct Pipe technology, in order not to disturb the mangrove-protected shoreline. The works will be executed on an EPC basis to include detailed engineering, supply, and construction and commissioning of all facilities to be completed in the third quarter of 2024.

MAX STREICHER S.p.A. Hands Over Two Compressor Stations in Poland



MAX STREICHER S.p.A. was selected by Gaz-System S.A. for the construction of two gas compression stations near the Polish municipalities of Goleniów and Gustorzyn in October 2020, as part of the Baltic Pipe Project, the new corridor that transports gas from Norway to Denmark, Poland and other Central European countries. According to the schedule, site works started in February 2021.

Despite the difficulties faced during the last eighteen months mainly due to international tensions and delivery

delays for project materials, MAX STREICHER managed to keep to the original schedule and, as a result, Gaz-System was able to technically accept both compressor stations already in June 2022 and sign the final acceptance at the end of September 2022. The official opening of the Baltic Pipe Project took place on 27 September at the Polish compressor station Goleniów in the presence of Gaz-System, Energinet, and other authorities of the stakeholders (Poland, Denmark, Norway, EU). Natural gas from Norway is already transported into Central European countries through the new supply corridor since 1 October 2022.

Vacuworx Third-time Winner of Oklahoma Governor's Award for Excellence in Exporting



In 2022, the company was distinguished for global equipment manufacturing and exporting activities, becoming a third-time recipient of the Oklahoma Governor's Award for Excellence in Exporting.

Vacuworx has been welcoming new equipment dealers and strengthening partnerships with contractors in places such as the U.S.A., Canada, Mexico, Europe, Australia, South America, Central America, and other parts of the world. RC Series vacuum lifters over the past 12 months could be found operating on significant pipeline projects, from handling large OD natural gas pipe in Denmark as part of the Baltic Pipe Project to the HDD installation of a new 20" coated steel water transmission line for the Port of Corpus Christi, Texas, U.S.A. Vacuworx launched several capability-expanding features, including the newly patented HLOK Tough Seal with a unique design that "locks" into the channel, performing better under a variety of rigorous conditions. The CM 3 compact modular vacuum lifting system has been geared up to allow larger skid steers and track loaders to lift materials such as pipe and plate with greater ease. Vacuworx's dual pad design has also been proven to be effective, designed to be interchangeable and lift a variety of material weights and sizes.

Prague Convention Retrospective

After two years of travel restrictions, IPLOCA members had the pleasure of meeting up once again at the Annual Convention, which took place in Prague, Czech Republic, from 19 to 23 September with the theme: 'Pipelines Powering a Sustainable Future' and was attended by just over 400 participants.

The week's programme included two days of Open General Meetings – see pages 24 and 25 – as well as numerous social functions and a cultural programme. Delegates enjoyed

tours of the beautiful, historical city of Prague, such as Prague castle, the old town with a trip on a Vodouch boat, the Jewish Quarter and Europe's oldest active synagogue, the U Fleku Brewery and a ride on a historical tram, the Nizbor crystal production house and the Karlstejn Castle plus a visit to the State Opera. A magnificent President's Dinner, accompanied by a full orchestra, took place in the ballroom of Prague Castle, used just two weeks' later as the venue for the new European political club of nations meeting, attended by leaders from 44 European countries.



Post-convention Questionnaire

We are grateful to the delegates who took the time to complete and submit the post-convention questionnaire.

The information received is important to help us further improve future conventions and gives participants the opportunity to express their opinion and convey their suggestions on any part of the programme. We encourage more attendees to provide us with their feedback after future events.

Overall, the convention programme was greatly appreciated, with the business parts and social events being mostly rated as excellent or good. 96% of respondents said they

were able to network as expected and 100% said they would recommend the convention to other colleagues. Respondents once again confirmed their interest in having presentations on the work of IPLOCA's committees and many of them would like to see more presentations on future new projects and the world's energy transition. Most respondents said they are likely to attend next year's convention in Vancouver.

Around 98% of respondents used the app this time which represents an increase of 6% compared to the Bangkok Convention. The comments received regarding the app were very positive, with a few suggestions to help us improve it further in the future; this will now fully replace the traditional pocket programme.



Maats/Liebherr Golf Tournament

This year's golf tournament was held at Prague City Golf Course. After four days of rain, the sun finally made a welcome appearance on the day of the event so we didn't need our rain coats, and a great day was had by all!

Maats and Liebherr would like to thank everyone for their support and look forward to seeing you in Vancouver in 2023.

Congratulations to all trophy winners, namely:

First Place Steve Heap, Rod Hardy, Andreas Fuchs

Second Place Roberto Castelli, Andrea Colombo, Robert Linder, Hubert Wetschnig

Third Place Doug Evans, William Corbett, Boris Boehm

Nearest the Pin Men: Sean Haberer

Longest Drive Ladies: Terri Steves

Longest Drive Men: Konstantin Halatschek

Honorary Member

At the Final Banquet, IPLOCA President, Gonzalo Montenegro was delighted to present Najib Khoury of CCC with his Honorary Membership certificate, recognising his distinguished service to the pipeline industry and to the Association during his extensive career. Further details on Najib's background may be found on page 11 of this newsletter.

Photo Gallery

The photos on the following pages, along with many others, will be available on a Convention photo USB, kindly sponsored by HABAU and PPS, to be mailed out to all attendees in December.



The 55th Annual Convention will be held at the Hyatt Regency hotel **Vancouver, Canada** from **11 to 15 September 2023**.













Open General Meetings

Annual General Meeting

IPLOCA President Gonzalo Montenegro presented his 'Year in Review' during the Annual General Meeting, saying how rewarding it had been to see a return to normality and be able to hold so many in-person meetings.

The draft updated promotional video was shown, the new logo and slogan were presented, and the new green label will be introduced in 2023. The results of the 2022-2023 Board of Directors nominations were ratified. Also, the IPLOCA audited accounts for 2021 were approved and the auditors re-appointed for the 2022 financial year.

Business Opportunities

The Poster Sessions were held during the Open General Meetings' coffee breaks, allowing people the time to visit and ask questions in a relaxed atmosphere. These sessions were given by CRC-Evans Pipeline International Inc., Cyntech Group, Gulf Energy Information, LCS Cable Cranes GmbH, Monti -Werkzeuge GmbH, Pipeline Induction Heat and Winn & Coales Int. Ltd.

The 10-minute B2B meetings were hosted by Bechtel, Bonatti S.p.A., Fluor, SICIM S.p.A., TC Energy and Techfem S.p.A, and were fully booked.



Guest Speakers at the Prague Convention

Many thanks to our guest speakers for their contribution during the OGMs on Thursday and Friday. Copies of their presentations are available at www.iploca.com/presentations.



Andy McDowell

Senior Vice President, Media,
Gulf Energy Information
Global Midstream Update



Robert Wortelboer

Associate Partner, Climate Change &
Sustainability Services, EY
Carbon Reporting (Reduction)



Perry Redman

Manager Corporate Accounts,
Caterpillar Inc.
Advancing Safety and Sustainability



Johan Van Wassenhove

CEO, Denys N.V.
Dreamcutter Technology



Leonhard Weixler

Executive Director, Business Unit
- Maritime Technologies, BAUER
Maschinen GmbH



Emanuel Muraca

R&D Manager, Techfem S.p.A.
**Challenges and Opportunities for
Hydrogen Transportation in Existing
Pipeline Systems ***



Katrina Cooper

Director, International Projects Group,
RSK Group plc
New Fuels and Pipelines



Wilko Koop

Director, A.Hak Groep B.V.
Humber Tunnel

* Presentation details available upon
request directly from the speaker

Presentation of Awards in Prague

The IPLOCA awards are intended to reward those companies that are in the lead in their search for excellence. The winners and runners-up for three 2022 awards were presented in Prague. The list of submissions received and further information on the entries are available on our website at: www.iploca.com/awards.



The award recognises members' initiatives aimed at improving health and safety in the pipeline industry.

The Adjudication Committee nominated **MAX STREICHER GmbH & Co. KG aA** as the winner of this year's award, for its "Paywelder with Protective Platform and Remote Control". The reasons for this nomination were that it is simple and effective to prevent fatalities. It has demonstrated safety innovation through the application of technology and it combines safety with sustainability. STREICHER has been developing and building sustainable construction machines from practitioners



for practitioners under the ecotec label from 2020. Since 2021, the first electric paywelders, called PW150-E, have been in use. This product, which was designed from scratch, is based on a drive system with two electric motors, which significantly reduce CO₂ emissions. Consequently, the cost efficiency of the machine is increased since energy consumption, operating, as well as, maintenance costs are reduced to a minimum.

STREICHER is very pleased and proud to have won the Health & Safety Award for this new product. In addition to the emission reduction, safety requirements for people and the environment played a major role in the development. With the remote-controlled paywelder, the operator has, among other things, an unrestricted field of vision of the workplace at any time. Furthermore, the additionally installed safety platform covers the track of the caterpillar and thus prevents the possibility of people being trapped.

The runners-up were:

SICIM S.p.A., for its resilient way to reduce the interaction of machines with humans using technology.

Spiecapag, for its innovative way of coaching "line of fire" with 12,000 views. Spiecapag developed a series of videos to improve industry knowledge and awareness of exclusion zones. These videos centered on three key areas: people plant interaction; vaclifts; and, pressurised hoses. They adopted a multi pronged approach, demonstrating failure instead of showing safe actions, done right; adopting 360-degree camera technology to place spotters in the operator's seat and experience firsthand machinery blind spots; and, working with industry experts to learn how to work safely around suspended loads and pressurised fittings. The Spiecapag team is very proud of the videos produced, and extremely pleased to receive industry recognition from IPLOCA. It has definitely spurred the team on to think of other innovative ways to highlight safety risks in the industry.



The award is presented every second year in recognition of an exemplary achievement in reducing the impact of pipeline construction on the environment.

The Environmental Award Adjudication Committee nominated **Precision Pipeline, LLC (PPL)** as the winner of this award for its "Dewatering Solutions: Responding to

Changing Expectations". In the view of the Committee, this initiative represents an innovative way to meet evolving and stringent legislation, it is an innovative ground water management mobile skid solution and it is easily transferable to any contractor. The submitted case study used examples from a recent large linear pipeline replacement project traversing more than 200 miles through environmentally sensitive lands, wetlands and waterbodies, in both winter (frozen) and summer conditions. PPL's execution plan focused on the environmental mitigation of the baseline conditions, however the conditions changed



over the course of the project. "The project team worked collaboratively and brought creative new equipment, solutions, and construction practices to manage through the environmentally sensitive locations. These efforts allowed us to meet compliance and restoration requirements and complete the project successfully," states Shaun Kavajecz, Environmental Director with PPL.

PPL's senior leadership has facilitated a culture where environmental performance is embedded within all job responsibilities, and everyone takes an active role in supporting performance objectives. "We are honoured to receive IPLOCA's 2022 Environmental Award," says Shaun Kavajecz. "Our case study showcased one example of our strong, solutions-based culture where people and resources

are constantly looking to innovate and work towards successful resolutions to new and unique challenges. It is exciting to be recognised for our efforts, and a tribute to the individuals striving to ensure project excellence is delivered to the client through construction solutions."

One runner-up was named: **MAX STREICHER GmbH & Co. KG aA**, for its HDD80, as a sustainable solution in pipeline technology. The fully electric horizontal drilling rig HDD80-E laid the foundation stone for the ecotech label in 2020. Further products have followed since then as for example the electric paywelder PW150-E, the vacuum crawler VC70, as well as the HDD45-E. After the HDD80-E won the New Technologies Award and became a runner-up for the Health & Safety Award in 2021, STREICHER is proud that this development has been nominated runner-up for the Environmental Award in 2022.

The rig concept was also able to score points in terms of environmental protection along with, amongst other things, reduced CO₂ and noise emissions. In addition to these positive effects, the hydraulics are reduced to a minimum. This means they are only used for secondary functions, such as the crusher. Applying biodegradable oil further reinforces the environmental compatibility. Moreover, for drilling sites STREICHER strives for a holistic decarbonisation strategy. In addition to the fully electric HDD80-E, the company has designed the fully electric mud pump HPP400-E and makes use of electric mixing and recycling systems.



The 2022 IPLOCA Excellence in Project Execution Award

This award is given in recognition of an outstanding project execution in onshore or offshore pipeline, or facilities construction.

The Adjudication Committee decided to present the award to **A.Hak** for its Humber Pipeline Project, for the following reasons:

- Management was highly involved in the achievement of all predetermined safety goals;
- There were significant environmental works to mitigate the impact on the existing protected local environment executed with visible housekeeping measures;
- The project achieved a Guinness World Record in replacing a 1,050mm diameter concrete weight coated pipeline

In 2020, during the tunnelling operation, this project achieved the status of being the safest project delivered by



the National Grid, which was recognised by the National Grid UK Safety Project Award. Following completion of the tunnelling works the pipeline was inserted as a continuous 4,992 m string into the water filled tunnel before connecting at each end to the existing Feeder 9 pipeline. Despite the huge technical challenges involved in this project, the project

team, in collaboration with the National Grid, developed a solid technical solution for the installation of a circa 5 km pipeline into a flooded tunnel; an achievement that has not been equaled anywhere in the world and therefore led to the project's registration in the Guinness Book of Records. Wilko Koop said, "We are very honoured and delighted to win the 2022 IPLOCA Excellence in Project Execution Award, and especially pleased with the recognition which is well deserved by the team, after years of innovative preparation and collaborative execution during the pandemic period."

One runner-up was selected: **Precision Pipeline LLC** for its Line 3 Replacement Project, which involved material sourcing & distribution logistics, winter construction & special techniques, water management & environmental compliance, and tribal engagement for 233 miles of 36" pipeline replacement in Northern Minnesota, U.S.A.

Submissions for 2023

Thank you to all those members who participated in the 2022 awards.

We encourage all members to prepare and submit entries for 2023, which, in addition to the IPLOCA Health & Safety Award sponsored by TC Energy, will include the IPLOCA Corporate Social Responsibility Award sponsored by Total, the IPLOCA New Technologies Award sponsored by BP, and the newly introduced IPLOCA Quality Award sponsored by TC Energy.

Submissions are required by May 2023 and further information will be available on www.iploca.com.

Health, Safety, the Environment & CSR



IPLOCA Fall Sessions: 2022 HSE & CSR Workshop

The IPLOCA HSE & CSR Workshop took place in Barcelona, Spain on 18 October, as an integrated event along with the Novel Construction Fall Session, with the theme of Sustainability Throughout the Life Cycle of a Pipeline Project. It was facilitated by the RSK team: Lucy Thomas, Stephanie Wray, Katrina Cooper, Kathy Bradshaw and Jenny Hughes. Jenny kindly provided the following report on this successful event.

Sustainability is a complex, sometimes messy, context-specific concept. In 1987, the United Nations Brundtland Commission defined sustainability as "meeting the needs

of the present without compromising the ability of future generations to meet their own needs". RSK's challenge for this workshop was to break down and bring sustainability to life at an organisational and project level, and to leave everyone with a clear idea of what they could do to contribute.

We ran three sessions to introduce environmental, social and governance issues for the pipeline industry, exploring current challenges and opportunities. The IPIECA (2020) guide to sustainability reporting provides a useful reference and breakdown of key sustainability issues relevant to the pipeline industry. We discussed issues through the lifecycle of the project from screening and scoping, through to construction, and operational management. We're delighted that participants rose to the challenge and committed to sustainability actions such as recruiting champions, running training, discussing risks with senior management, developing clear metrics, and improving communication about their impacts.

The workshop introduced the United Nations Sustainable Development Goals (SDGs) and highlighted how they could be used as a framework for businesses to target their efforts. (See article on sustainability on page 15 of the March 2020 IPLOCA Newsletter) For example, businesses can take action through delivering living wages, equal opportunities, working with local communities, reducing carbon, assessing impacts and delivering nature positive projects.

Our afternoon session dove into more detail on a pipeline project example local to the Barcelona region. The proposed project was a pipeline to support a carbon capture and storage facility in Northern Spain. Attendees separated into breakout rooms to work on the question: "Where can we have the most positive impact on sustainability across the life cycle of a pipeline project". Groups were encouraged to use the SDGs and to think about how this will also affect sustainability at the portfolio and organisational levels. One exciting idea raised through the discussions for future innovation was how to make pipeline construction compounds more sustainable e.g. delivering infrastructure

that is resource efficient and could be better utilised by local communities after construction is complete.

Sustainability is about thinking critically about practices and processes, and applying improvements, to result in environmental, social, or economic improvements. Our participants demonstrated that with a bit of time, some help from frameworks and guidance, and a bit of creativity it is possible for every single one of us to do more to deliver sustainable pipeline projects. To take your sustainability journey further, contact kcooper@rsk.co.uk and jenny.hughes@naturepositive.com.

Innovation

IPLOCA Fall Sessions: Novel Construction

The Fall Novel Construction Meeting was held at the Catalonia Barcelona Plaza Hotel in Spain, on Wednesday 19 & Thursday 20 October, as part of the IPLOCA Fall Sessions which included the HSE & CSR Workshop on sustainable projects, portfolios and businesses, held the previous day. More than 60 delegates participated from across the world.

On Wednesday morning, presentations were made by IPLOCA members and guest speakers on their innovative developments and initiatives with the aim of improving pipeline design and construction.

The following topics were presented:

- **The Coextrusion Technology leading to the Development of a Unique Corrosion Prevention Solution**
Luc Perrad, DENSO GmbH
- **Innovative Robotic Application of Self-Healing Coatings**
Somaieh Salehpour, Seal for Life Industries
- **Protecting Anti-Corrosion Coatings with Bore-Wrap in HDD Applications***
Ron Raphoon, Winn & Coales International Ltd.

- **Volvo CE Sustainability Roadmap**
Hakan Ask & Rodrigo Konda, Volvo Construction Equipment
- **The Steering of the HDD is Essential for your Pipeline***
Hans Blok, Brownline
- **Unlocking the Value of Data in Mission Critical Processes**
Mohammad Shana'a, Morta Technology Ltd
- **PipeDefender Rock Protection System – Case Studies**
Travis Cotterill, PipeSak
- **The Fully Electric HDD Job Site**
Renzo Chirulli, Vermeer

* Articles on these initiatives follow this report.

Copies of all the presentations are available at www.iploca.com/iploca-novel-construction-fall-session-2022

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

We look forward to our next session which is planned for 19-20 April 2023 in Rome, Italy. The hotel is yet to be defined.

Working Groups	Leader (Company)	Email
Earthworks & Crossings	Joseph Gilmartin (Fluor)	joseph.gilmartin@fluor.com
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

New Functionality on IPLOCA Members Technology Platform

The IPLOCA Members Technology Platform has released a new functionality that enables messages to be sent directly to technology suppliers on the platform.

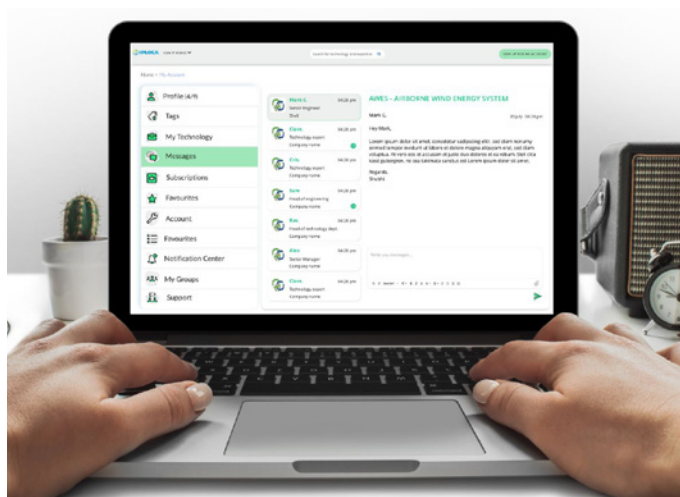
As an account holder, simply follow these steps to send a direct message:

- To begin, go to the technology supplier's page and log in to your account. A message box will appear.
- In this box, you can either select a preconfigured question from the dropdown list or ask a new one by selecting the "other" functionality.
- Then, click on the green arrow to send your message.

After completing this process, the technology supplier will receive your message directly in their inbox and will be able to answer you via the toolbox located at the top righthand corner of the page. This is a great new tool to use, and we encourage you to take advantage of it. Through this portal, IPLOCA helps to connect the innovative technologies of IPLOCA members to potential clients and facilitates

knowledge sharing between members. To date, more than 35 technologies are accessible, including pipeline manufacturing and coating solutions, as well as pipeline peripheral equipment, both for onshore and offshore deployment.

If you need information about how to add your technology onto the platform or for any other queries, contact gregoire.demontmollin@iploca.com.



Protecting Anti-Corrosion Coatings with Bore-Wrap in HDD Applications

Ron Raphoon, Winn & Coales International Ltd., U.K.



Pipeline owners use the Horizontal Directional Drilling (HDD) installation method at locations where surface obstructions, or access limitations, preclude conventional trench-in construction. HDD is now more common place, and as a result there are many HDD installers in the market.

Unfortunately, the pipelines that are getting installed today,

which were wisely installed along the best possible route, are now prone to increased stress fractures and higher corrosion rates due to poor installation design or practices, and increased coating damage caused by the installation. When the pipeline is physically dragged there is substantial force required as it enters the borehole, making coating damage much more likely than for trench-in construction. As a consequence, the areas where coating damage is most probable occurs at exactly the locations of highest environmental sensitivity and consequence!

One of the primary causes of coating damage is the lack of adherence to coating standards by trenchless installation methods. This has been a problem that is slowly gaining attention, but it still hasn't been acknowledged as a widespread issue. The reason for the lack of adherence is due to the lack of an international standard geared specifically for this type of installation. The industry lacks suitable standards for HDD coating protection, and in an industry that is slow to change, some of the newest forms of Abrasion Resistant Outer-wraps (ARO) are left out.



At the Novel Session in Barcelona in October, the author presented the concept of a sheer, abrasion, impact, and gouge (SAIG) resistant coating. This type of coating protection can and does help the anti-corrosion coatings to remain intact during installation by trenchless methods. There are numerous ways to address the design of an HDD that will assist in keeping the pipe coating safe, however there is always deviation from design to the "as-built". SAIG resistant coatings like the Bore-Wrap which was presented at the request of Premier Coatings, has for several years been saving the coatings from damage. This also saves the contractors from liability issues and keeps the pipeline operator from having to do early repairs or excavations. Ultimately HDD sections specifically, need to be installed with all the pipe and protection mechanisms intact in order to survive the full design life of the pipeline.

In the first image, it is clear that the HDD installation produced enough damage that the pipeline would likely



have failed or need to be prematurely replaced. The expense of such an activity is far greater than having spent a little more money on the front end to ensure that the pipeline coating is protected at the start. For those who doubt the effectiveness, the same hole was wrapped with a SAIG protection and re-pulled. The areas that were not protected had gouging that went to the steel, but where the SAIG resistant wrap was installed, the underlying coating was untouched as can be seen in the second image.

HDD allows the world to grow and connect at a rapid rate, and is an incredibly effective way to get a difficult job done. However, if the industry isn't careful, this amazing technology could cost more than just financial loss or early pipeline retirement; it could cost lives or environmental disruption. These are things that can be prevented and the solution already exists and has slowly been adopted over the past few years by pipeline owners and contractors who value safety and quality over short term financial savings.

Browline's Steering Tool for HDD Crossings

Hans Blok, Browline, The Netherlands

One ever-present challenge in the pipeline business is when pipelines have to cross obstructions where an open trench is not possible. For many of these crossings HDD (Horizontal Directional Drilling) is the preferred solution. These trenchless solutions are quite often an important and risky part of the project. Many pipeliners are aware of the risks for these crossings, and will look for options to reduce the risks for their project.

The HDD contractor should be a specialist with the knowledge about this type of trenchless solution. Most of

the time this is the case and the HDD contractor is aware of the possibilities and risks. But, especially when the contractor is forced to bid as low as possible to get the works, they will look for opportunities to execute the works as cheaply as possible, and might take some more risks. These risks might well have a huge impact on the overall project, and should be discussed, or at least be known by the parties involved.

One of the most important factors for the HDD crossing is the steering of the pilot drilling. During the Novel presentation in Barcelona, Browline explained the



differences in steering services for such projects. High quality steering services will reduce the risks for HDD crossings substantially, especially for steel pipelines. The Drillguide Gyro Steering Tool will give a much more accurate end product because of its industry-leading accuracy in positional measurements.

When the drilling is executed in areas where interference might occur, the usual magnetic steering tools will suffer interference, and deviations of the planned drill line might cause problems. This interference can be caused by active power, like high voltage cables, underground or overhead but also by cathodic protection on existing lines in the vicinity of the project. The interference can also be passive interference, for instance metal objects in the vicinity of the project, like sheet piling, or even natural iron in the ground, which is not uncommon in rock. For deep drillings the Gyro Steering Tool again will reduce the risks substantially due to the much higher accuracy, compared to other steering instruments.

Knowledge of the different systems is not only important for the HDD contractor but also for the pipeline contractor, who is relying on a proper execution of one of their essential crossings. It is also important for the main client who would like to have the pipeline in the designed route, and with the designed radius, where deviations normally will increase the pipe stress due to the additional bending.

Browline invented the Drillguide Gyro Steering Tool about 20 years ago, and since then they have upgraded the system frequently to become the most accurate steering tool in the world. The Drillguide system is used all over the world on complex projects, where high accuracy is required.

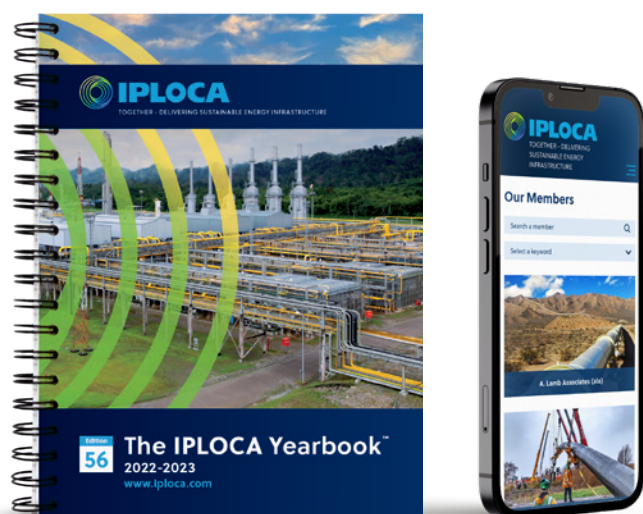
We believe it is very important to have knowledge about the different systems and be aware of the possibilities and the risks for your project.

For further information, visit: www.drillguide.com.



IPLOCA Yearbook

2022-2023



At the end of November the 56th edition of the IPLOCA Yearbook was distributed worldwide to the desks and in the field offices of pipeline companies.

The IPLOCA Yearbook is available in hardcopy and online at www.iploca.com/yearbook. 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 www.iploca-yearbook.com. We are confident this edition will meet your expectations again but we always welcome and appreciate your feedback and suggestions. Listing changes can be done on the IPLOCA website via the link to your company's account that IPLOCA's Key Representative received: www.iploca.com/login. For more information please contact support@iploca.com

We wish all our readers a joyful, festive season with the prospect of a safe and healthy New Year.

Peter Schoonenberg, Publisher IPLOCA Yearbook

Important IPLOCA Dates

Member News for IPLOCA March Newsletter

31 January – Deadline for submissions
newsletter@iploca.com

Member News for IPLOCA June Newsletter

28 April – Deadline for submissions
newsletter@iploca.com

Upcoming Events

2022

IPLOCA Latin America Regional Meeting

6-7 December – Santa Cruz de la Sierra, Bolivia
www.iploca.com/events/regional-meetings



2023

PLCA 75th Annual Convention

7-11 February – Koloa, HI, U.S.A.
www.plca.org

DCA 62nd Annual Convention

20-25 February – Miami, FL, U.S.A.
www.dcaweb.org

PIG – The Pipeline Industries Guild 65th Annual Dinner

14 March – London, U.K.
www.pipeguild.com

IPLOCA East & Far East Regional Meeting

22 March – Melbourne, Australia
www.iploca.com/events/regional-meetings



Hannover Messe

17-21 April - Hannover, Germany
www.hannovermesse.de

IPLOCA Novel Construction Spring Session

19-20 April – Rome, Italy
www.iploca.com/events/novel-construction-sessions



Offshore Technology Conference

1-4 May – Houston, TX, U.S.A.
2023.otcnet.org

Pipeline Technology Conference

8-11 May – Berlin, Germany
www.pipeline-conference.com

PLCAC 69th Annual Convention

14-18 May – Victoria, BC, Canada
www.pipeline.ca

IPLOCA Europe Mediterranean Regional Meeting

7 June – Lisbon, Portugal
www.iploca.com/events/regional-meetings



2022 IPLOCA Scholarship Recipients

Twenty students, who are children or grandchildren of IPLOCA member companies, were selected as recipients of the 2022 IPLOCA scholarships.

As far as possible two IPLOCA scholarships are awarded to students of Regular Members in each of the IPLOCA Geographic Regions and four awarded to students of Associate Members.

The IPLOCA recipients are:



Sezer Enis Birgili
Sabanci University,
Tuzla, Turkey - Computer
Engineering
[Tekfen Construction](#)



Ryan Hughes
University of Minnesota,
U.S.A. - Kinesiology
[Quanta Services, Inc.](#)



Greta Reyes
CERTUS Private Higher
Education Institute, Peru -
Marketing
[Techint E & C](#)



Vincent Boyer
CLCF, Cinema School,
Paris, France - Film
Assistant Director
[Spiecapag](#)



Connor Keenan
University of Wisconsin-
Madison, U.S.A. -
Mechanical Engineering
[Precision Pipeline LLC](#)



Qjan Siwei
University of Wisconsin,
Madison, U.S.A. - Biochemistry,
Computer Science
[CPP](#)



**Gabriela Andrea Alfara
Castillo** Andres Bello National
University, Santiago, Chile
- General Medical Surgeon
[Techint E & C](#)



Elizabeth Kelly
University College Cork,
Ireland - English
[J. Murphy & Sons Ltd.](#)



Roy Saad
Cardiff University, U.K. -
Mechanical Engineering
[Consolidated Contractors
Company](#)



Yara Chamaa
American University of Beirut,
Lebanon - Medicine
[The C.A.T. Group of
Companies](#)



Naomi Konuma
University of Texas, Austin,
U.S.A. - Business
[Berg Pipe Panama City Corp.](#)



Kaitlyn Sarmento
University of Pittsburgh,
U.S.A. - Biological
Sciences
[Mears Group Inc.](#)



Natalie Connors
Western University,
Ontario, Canada - Chemical
Engineering
[PipeSak Incorporated](#)



Derin Kurt
Simmelweis University,
Budapest, Hungary - Medicine
[Limak Construction
Industry & Trade Inc.](#)



Katie Williams
University of Glasgow,
Scotland - Mechatronics
[J. Murphy & Sons Ltd.](#)



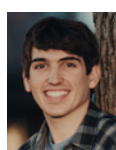
Andrea Maria Gravina
King's College London,
U.K. - Management
[SICIM S.p.A.](#)



Colleen Lemke
University of Wisconsin,
Milwaukee, U.S.A. -
Biomedical
[ITW Welding Products Group](#)



Yu Chunmin
Tianjin University,
P.R.of China - Measurement &
Control Technology
[CPP](#)



Eli Herkenrath
Kansas State University,
U.S.A. - Mechanical
Engineering
[Michels Corporation](#)



Olivia Luttrell
Trent University,
Peterborough, Ontario,
Canada - Forensic Science
[Seal for Life Industries](#)

2023 Scholarship Programme

The deadline for applications to the 2023 IPLOCA Scholarship Programme is 24 February!

Spread the word within your companies – we encourage you to make use of the electronic versions of the flyers which are available on our website in seven different languages.

You will also find information on the eligibility requirements on the same page: www.iploca.com/committees/scholarship-programme/scholarship.

Applications

Applications should be made online at learnmore.scholarsapply.org/iploca/. Please note that all the documentation needs to be provided in English. Scholarship Management Services, a division of Scholarship America, is administering the programme on behalf of IPLOCA.

Sponsor a Scholarship

Did you know you or your company can sponsor a Scholarship? Since the programme's inception in 2016, IPLOCA has offered



20 scholarships annually, valuing USD 4,500 each. This year 10 IPLOCA scholarships will be distributed. Company-sponsored scholarships are also possible.

Should you be interested in promoting education by sponsoring future scholarships or giving a donation, please contact kosborn@uspipeline.com.



Save the date!

IPLOCA 55th Annual Convention

11 to 15 September 2023

Hyatt Regency Hotel - Vancouver, Canada

IPLOCA Media Partners

New Partner and Various Offers

Please welcome **Media Point Exhibitions**, a new IPLOCA Media Partner who joined the Association in September 2022. Media Point Exhibitions was created by Fabio Potestà in 1992. The websites: oilgasnews.it & pipelinenews.it provide informative industry updates and IPLOCA members are invited to subscribe to their newsletters.

In 2020, Pipeline & Gas Expo was launched to provide a European biennial event dedicated to the midstream sector and the gas, oil & water distribution networks. They also organise the Hydrogen Expo event which takes place annually and is entirely dedicated to the development of the hydrogen supply chain.

Gulf Energy Information is currently offering IPLOCA members a 20% discount on a subscription to their Global Energy Infrastructure Pipelines Project Database, which provides

up-to-date information on upcoming and current pipeline projects around the globe, providing users with an overview of the global energy market and important industry trends. For information on obtaining a subscription to this database, please contact Ed Bramwell: ed.bramwell@gulfenergy.com.

IPLOCA members can also sign up for the Pipeline & Gas Journal free monthly digital newsletter and keep abreast with industry-specific resources and events.

As a benefit of membership, IPLOCA members have the possibility to post industry articles through any of our Media Partners, as listed below, including **Benjamin Media** and **Palladian Publications**.

Should you have an interesting article you would like to share, please contact: jacqueline.tempel@iploca.com.

Benjamin Media

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Mediapoint & Exhibitions Srl

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GIS Expo

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Second row: Leonardo Gravina, Virendra Varshney, Saji Khoury, Bruno Pomaré. **Third row:** Yasar Giregiz, Andrew Stuart, Tim Zboya, Robert Bell.
Fourth row: Wilko Koop, Giacomo Bonfanti, Adel Botros, Mustafa Kopuz. **Back row:** Doug Bailey, Gerben Wansink, Roger Spee, Bill Solomon, Andrew Ball. **Inset:** Edgar Chavez, Gian Marco Dondi, Robert Linder.

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