



THE IPLOCA NEWSLETTER

MARCH 2019



Bangkok Convention Update

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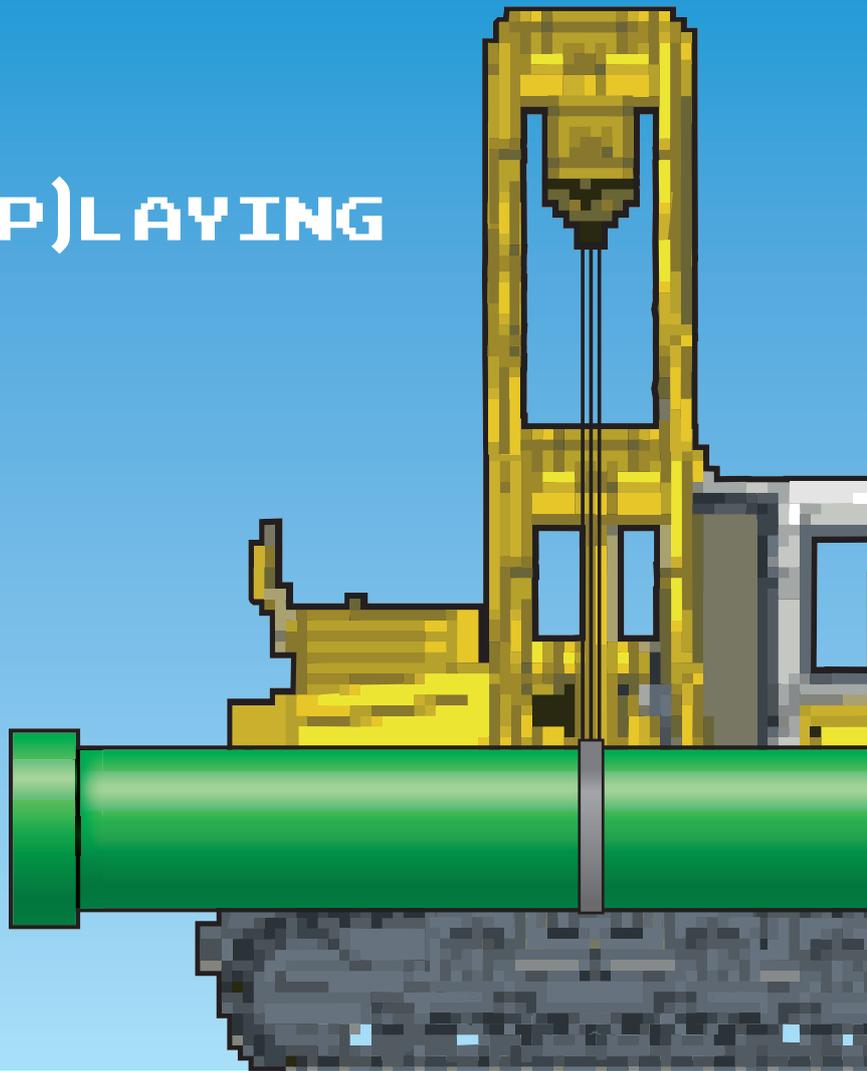
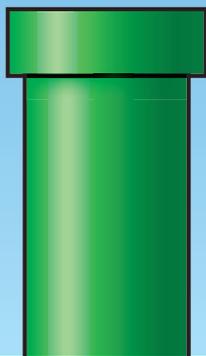
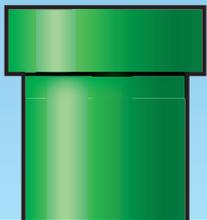


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IPLOCA Mission

To provide value to members through a forum for sharing ideas, engaging the industry and its stakeholders, facilitating business opportunities and promoting the highest standards in the pipeline industry.

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Letter from the President

As you will see from the pages that follow, the IPLOCA calendar is filling up once again and we encourage you to participate in as many of these initiatives as possible. Other important deadlines are also highlighted, such as the due dates for submissions of your HSE statistics, and for the IPLOCA awards.

Any fatalities in our industry are too many and the target for 2020 remains at zero. As a reminder, the submission of Health, Safety & Environmental Statistics is an obligation for Regular Members and we also welcome statistics from our Associate Members who have field construction activities. The online form is available at www.iploca.com/hsestatistics along with guidelines and translations to assist you.

An outline of upcoming regional meetings is published later in this newsletter. Further details may be found on our website as dates approach, and will be emailed to company representatives in their particular region. Directors on the Board are already making arrangements in Parma, and Moscow.

Following on from the success of last year's event, the Innovation and Membership Committees are pleased to announce that a special seminar will take place in Houston, on 6 May, focusing on technical presentations from the Innovation Committee (based on new technologies and the collaborative guidelines document, "The Road to Success"). This event is designed as an information session for all members and in particular for representatives of companies from our newest category of membership: Corresponding Members.

For those members wishing to make a submission for the IPLOCA Awards, further details and deadlines are provided on page 16. Three awards will be presented during the convention in Bangkok: the IPLOCA Health & Safety Award sponsored by Chevron, the IPLOCA Corporate Social Responsibility Award sponsored by Total and the IPLOCA New Technologies Award sponsored by BP.

Arrangements for the 53rd Annual Convention are moving forward smoothly. We are pleased to say that we will organise B2B (Business to Business) meetings for the second year. During our next board meeting in March, we will be selecting the speakers for the Open General Meetings. You will find more details about the convention on page 17 of this newsletter. Be sure to block the dates in your diary and note that registration will open on 3 June.

Best regards,

A handwritten signature in blue ink, appearing to read "John Tikkanen", with a long horizontal flourish extending to the right.

John Tikkanen

IPLOCA President 2018-2019

News from Geneva

Health, Safety and Environmental Statistics Due

The deadline for the submission of statistics is **8 March 2019**. It is a requirement of regular membership in the association to provide HSE Statistics, so if your company has not yet submitted them, please make sure they are sent right away! Further details are available on page 14.

Membership Certificates

Membership certificates were mailed out in January. If you are the designated IPLOCA Key Representative for your company and you have not yet received your certificate please contact Sarah Junod (sarah.junod@iploca.com).

Membership Questionnaire

You may have already completed our membership questionnaire and we thank you for taking the time to do so and for sharing your thoughts on how we're doing. Your

feedback is invaluable in ensuring we are providing the support we strive for and helps us focus on what we're doing well and any areas where we may need to improve.

We are in the process of preparing a report to be discussed by the Board during its late March meeting. Should there be anything else you would like to bring to our attention that was not mentioned, please let us know by writing to the Executive Secretary, juan.arzuaga@iploca.com. Also, if you did not take the opportunity to complete the questionnaire but can spare a few minutes now, we would be pleased to hear your views. The online form can be found on www.iploca.com/membershipquestionnaire.



IPLOCA website link

Do all key personnel know that your company is an IPLOCA member? Are they aware of the many advantages of being a member and of the numerous initiatives organised throughout the year? The first step is to make sure your company has a link to the IPLOCA website – www.iploca.com - on your intranet.

Board Meeting Update

Vienna, 6-7 December

The following summary highlights the main discussion points from the December 2018 Board Meeting.

Opening Remarks from the President

John Tikkanen welcomed Edward Bond, the Strategy Consultant, and introduced him to the new board members who had not had a chance to meet with him. He thanked Andrew Ball for all he had achieved during his year as president and for having taken the ambitious initiative to start planning for IPLOCA to become 'fit for the future'.

As mentioned when taking over the presidency for 2018-2019, John Tikkanen reminded the Board of the four priorities for the year:

- Complete the evaluation of IPLOCA's 'fit for the future' strategy so as to start implementation as of September 2019
- Expand membership
- Hold at least four successful regional meetings / seminars
- Expand communication with the membership



IPLOCA Website

All board members were asked to ensure that a link to IPLOCA's website appears on their company intranet/ internet and all members are encouraged to do the same.

HSE & CSR Committee

Sue Slijvic presented the HSE & CSR Committee report and commented on the successful Health & Safety workshop held last October, entitled 'Saving Lives in the Pipeline

Industry'. This seminar was attended by 46 people and another 30 participated by webinar.

The HSE & CSR Committee is continuing to collaborate with the 'Road to Success' (RTS) project and promoting the use of lessons learned. The possibility of resurrecting an Environmental Committee to work in conjunction with RTS is still under discussion.

The HSE & CSR Committee suggested that in the future the workshop could alternate between an Environmental and an H&S focus. This is a subject that the committee would like to discuss in further detail during the strategic review.

There was a target of 500 experiences to be uploaded on the HSE Shared Experiences Platform by the end of 2018. At the time of the board meeting there were 250 and the committee encouraged all board directors to make sure that their companies had uploaded their data. The industry needs to learn from everyone's experiences. It was noted that it is also possible to upload clients' incidents or lessons learned (with their permission).

Innovation Committee

The committee's Chair, Bill Solomon mentioned that the committee is working closely with the HSE & CSR Committee. The committee would like to stay focused on priorities in order to bring value to members. One of its main objectives is to look at how to more effectively add information to the RTS app and to add a section that deals with offshore needs. The committee is also looking forward to receiving input from the strategic review, in order to be able to establish what to bring to new and existing members.

Novel Session Madrid

The next Novel Session will take place from 3 to 4 April in Madrid, Spain with the HSE & CSR Committee meeting taking place on the previous day.

Scholarship Committee

Steve Sumner presented the report for the Scholarship Committee and confirmed that Gulf Interstate Engineering and Rosen had confirmed that they would sponsor scholarships. It should be noted that subsequently to the board meeting, Vacuworx also agreed to sponsor a scholarship, bringing to 23 the total number of scholarships offered: 20 funded by IPLOCA and 3 funded by member companies. The scholarships will continue to be promoted on the IPLOCA website with a special page dedicated to company sponsored ones, including the deadline for submitting sponsorship applications.

John Tikkanen encouraged the directors to promote scholarships within their companies and reminded the group that applicants' studies are not limited to the pipeline industry.

Membership Committee

Oliviero Corvi presented the Membership Committee report, and voiced the committee's view that the reduction in the number of Regular Members, mainly due to mergers and acquisitions or change of business, is becoming a concern.

The committee members recommend that IPLOCA needs to increase the number of Corresponding Members (CMs) and invite them to participate more actively in the association. It is important to identify their expectations and to find out what really interests them as members of this association. During one discussion with a CM, Oliviero Corvi was told that they are particularly interested in obtaining information on HSE, new technologies and projects taking place in difficult environments, such as steep slopes etc.

He informed the board that representatives from 65% of members attended the convention in London. Oliviero Corvi drew the board's attention to the need to be more proactive in reaching out and encouraging non-active members to participate. There could be a need to remind non-active members of the benefits of membership.

First Stage Membership Questionnaire Results

At the time of the board meeting, 117 delegates had completed the questionnaire during the membership lunch held at the convention in London or directly via the link on the IPLOCA website. 47% of the respondents said that networking was their first and foremost motivation in becoming a member of IPLOCA, followed by 25% focusing on industry related reasons, 8% chose knowledge sharing, 6% highlighted innovation as the main point, 7% saying it was to be able to attend the convention, and 7% wishing to meet peers.

The rest of the results of the questionnaire included:

- 81% of respondents find that IPLOCA is meeting their expectations
- 80% of respondents say that IPLOCA needs to attract more members
- 78% of respondents find they receive sufficient information on IPLOCA events
- 77% of respondents promote IPLOCA events in their company
- 89% of respondents prefer to receive communications via email

More responses were expected to come in before March.

Membership Update

At the time of the meeting, membership numbers were confirmed as 90 Regular Members; 118 Associate Members; 22 Corresponding Members; 4 Academic Members and 3 Honorary Members (not including new members or resignations).

The following members were approved:

- **Overpipe**, France – Associate Member
- **Repsol**, Peru – Corresponding Member

The following name changes were approved

- Magnatech Group is now **Qapqa Group**
- Valspar is now **The Sherwin Williams Company**

Resignations were received from:

- **Uponor Infra Oy**, Finland – Associate Member
- **Argus Ltd**, U.S.A. – Associate Member
- **Gasoductos y Redes Gisca SA**, Spain – Regular Member
- **Heerema Marine Contractors**, The Netherlands – Regular Member
- **IAP Globe Export**, Italy – Associate Member
- **Rombouts Kunststof Techniek**, The Netherlands – Associate Member
- **AJ Lucas**, Australia – Regular Member
- **PSE Engineering GmbH**, Germany – Associate Member
- **IDR**, France – Associate Member

Treasurer's Report

Adam Wynne Hughes presented the Treasurer's Report. There is a bigger year-end loss than expected due to the unbudgeted payment of the strategy consultant fee and fees for legal advice regarding members in countries under sanction. We are still waiting to receive the VAT rebate from the London convention hotel which is expected to arrive in the first quarter of 2019. Adam noted that the exchange rate with the pound sterling has been negatively affected due to the Brexit situation and this is reflected in IPLOCA's accounts. Although membership numbers are down, overall the association still has a very positive cash position. IPLOCA holds accounts in three currencies: Swiss francs for payment of IPLOCA office operational costs; an account in Euros and one in U.S. dollars which are both used for receiving funds from convention fees and for running conventions and board meetings.

In presenting the 2018 forecast, Adam Wynne Hughes stated that the association's income is down from 2017 despite being well supported by sponsorships at the convention. After taking into account the expenses and income as listed in the 'third quarter forecast to complete the year', he forecast a loss of CHF 102,807 for 2018. He also presented the budget for 2019. Both the 2018 forecast and budget for 2019 were approved unanimously by the board.

London Convention

The results of the London Convention questionnaire were presented. The percentage of delegates who responded to the questionnaire was disappointing (close to 17%), so it meant that the responses could not be considered a fair representation of all convention participants. Based on the responses received the overall rating of the whole of the convention was very good. John Tikkanen commented that this year the quality of speakers was very good.

The pocket programme is still considered useful/helpful with a rating of 65%. Delegates will be encouraged, however, to rely more and more on the app instead, as it is interactive and offers many more functions than a paper copy.

The B2B meetings received a positive feedback while Poster Sessions were noted as having had a poor attendance with only 23% of respondents having attended.

2019 Convention in Bangkok

Juan Arzuaga presented a list of potential speakers for the Bangkok Convention. He pointed out that it is important to have some local speakers. Additional possible topics were also discussed. A Call for Speakers would be sent out in order to decide on the final speaker slate by the end of March so as to allow sufficient time to organise the business programme for the convention.

Following feedback from participating companies, it was agreed to continue to offer the B2B (Business to Business) meetings at the next convention, but that further discussion was required regarding whether to organise Poster Sessions and in which format.

Suggestions and recommendations on pre and post tours will be provided upon request by the tour operator and will be added into the convention brochure.

Regional Meetings and Seminars

Lima, Peru

Gonzalo Montenegro and Giacomo Bonfanti organised the Regional Meeting in Lima on 8 & 9 October. It was very successful with an attendance of 63 participants and included some potential members for IPLOCA. Many participants commented that they had never taken part in an IPLOCA convention. A number of attendees came from outside the region in order to network and do business.

Parma, Italy

A Regional Meeting for Europe Mediterranean will take place in Parma on 28 May. A technical session is planned along with a speaker from Saipem who specialises in pipeline projects.

Moscow, Russian Federation

To coincide with the June Board Meeting scheduled to take place in Moscow, a Regional Meeting will be held on Tuesday 11 June. The meeting will be held in Russian and Isif Panchak will look into organising a translator.

Abu Dhabi, U.A.E.

Najib Khoury said he recommended October as a good month to hold a Regional Meeting in Abu Dhabi. An exact date will be advised in due course.

Houston Seminar on Innovation

Tim Zboya has offered to host this full day event on Monday, 6 May in the Bechtel offices. The possibility

of having sponsors is being considered. Last year 100 people attended the seminar in Houston. The sessions on innovations and health & safety were greatly appreciated.

PTC booth in Berlin and other events

Adam Wynne Hughes indicated that a budget had been set aside to enable IPLOCA to be present at the following events: Pipeline Technology Conference (PTC), Berlin – 19 to 21 March; Offshore Technology Conference (OTC), Houston – 6 to 9 May; ADIPEC, Abu Dhabi – 12 to 15 November, with the focus being to promote IPLOCA and attract new members.

The next board meeting will be held in Las Vegas, from 20 to 23 March.

Sister Associations

Whenever possible, representatives from IPLOCA attend the annual conventions of its Sister Associations. These are the events taking place in the first half of the year.

DCA (Distribution Contractors Association's 58th Annual Convention

DCA's Annual Convention is being held from 5 to 10 March in Nassau, Bahamas. IPLOCA Executive Secretary, Juan Arzuaga and his wife Alejandra have confirmed their attendance.

PIG (Pipeline Industries Guild's 62nd Annual Dinner

This annual dinner gathers the most important companies of the pipeline business in the U.K. and is taking place on 12 March at Grosvenor House in London, U.K.

PLCAC (Pipe Line Contractors Association of Canada's 65th Annual Convention

PLCAC's Annual Convention will be taking place from 12 to 16 May in Ottawa, Ontario. IPLOCA President John Tikkanen and IPLOCA Executive Secretary, Juan Arzuaga and their respective wives Joanne and Alejandra will be participating.



PLCA (Pipe Line Contractors Association's 71st Annual Convention

The PLCA Annual Convention took place at Fernandina Beach, Amelia Island (Florida) from 6 to 10 February. IPLOCA President John Tikkanen and IPLOCA Executive Secretary Juan Arzuaga attended, accompanied by their respective wives Joanne and Alejandra. The members of the World Federation of Pipe Line Industry Associations met there to continue discussions and exchange on topics of common interest.



Back row, left to right: John Tikkanen (IPLOCA President), Paul Schultz (PLCAC President), Neil Lane (PLCAC Executive Director), Kevin Barrett (PLCA Executive Director), Michael Hickey (DCA VP).
Front row, left to right: Juan Arzuaga (IPLOCA Executive Secretary), Adam Wynne Hughes (PIG's Incoming Chairman), Jimmy Crofts (PLCA President), Elizabeth Worrell (PLCA Managing Director and Chief Counsel), Robert Darden (DCA Executive VP)

Member News



Denys Awarded Major Pipeline Projects and Opened a Subsidiary in France

Denys, a leading European pipeline and tunnelling contractor, has been awarded major pipeline projects in Germany for Gascade, lot 7 & 8 on the Eugal project (130 km of 56" under construction), and for Open Grid Europe, lot 1 and 2 on the Zeelink project (59 km of 40", to start in March 2019). In Poland, Denys has been awarded the Tworgen-Tworzen project for Gaz-System (55 km of 40", under construction). On all these projects Denys works together with local contractors.

After being active in France for more than 20 years, at the beginning of 2018 Denys opened a subsidiary in Bordeaux and has already been awarded and completed the same year several pipeline and tunnelling projects for Trapil, Terega and GRTgaz.

Europipeline Equipment to Become One of First Pipeline Equipment Providers in Middle East

Europipeline Equipment S.p.a. (EPE) has completed the first mobilisation to Kuwait for the KOC New Refinery Pipeline Project. The contract will see more than 20 EPE machines working for two years in the Kuwaiti desert for the most important local pipeline contractor, the official partner of Saipem in this project. EPE is providing not only the equipment but also spare parts, technicians for maintenance and operators.

This is a new challenge facing Europipeline in order to become one of the first pipeline equipment providers in the Middle East. The scope of work includes the construction of a pipeline system approximately 450 km in length designed

to transport refined products from various Kuwait Oil Company South Tank Farm manifolds to the new Al Zour refinery. It will also involve building a network to deliver the refined products to storage areas in the Mina Al Ahmadi refinery. According to the website of the Kuwait National Petroleum Corp., a unit of KPC, the 615,000-barrel per day (bpd) Al Zour project is the world's largest grassroots refinery and will boost Kuwait's total refinery capacity to 1.4 million bpd. The company anticipates an early 2021 commissioning for the facility.



ILF: Commitment to Continuity with New Management



Tobias Walk and Fred Wendt have taken over as the global engineering firm's Managing Directors from Dr.-Ing. Stefan Bürkle and Stefan Beck.

Their appointment is ILF's

commitment to continuity, as both new directors have been serving ILF in various positions for many years – Tobias Walk for 21 years and Fred Wendt for 16 years. They bring strong expertise in various business areas and international markets from major strategic projects: Tobias Walk in oil & gas, and Fred Wendt in energy. Both directors are committed to growing ILF in its regional markets and to strengthening customer focus.

Current ILF Consulting Engineer GmbH Germany projects include Nord Stream 2, two subsea pipelines across the Baltic Sea including onshore plants in Russia and Germany, the Nigeria-Morocco gas pipeline, the Trans-African Pipeline with a length of 5,500 km, SuedLink, the underground high voltage power line between North and South Germany, hybrid PV plants in Senegal, a PV power plant in Jordan, and a Hydrogen energy storage systems at Wattens, a mobile pilot project using methanol.

INova Energy for Mexico

INova is currently building six refined products storage terminals: Veracruz, Puebla, the vicinity of Mexico City, Baja California, Manzanillo and Topolobampo. With a capacity of 2,100,000 Bbl, Veracruz is the largest being developed by INova and one of the largest in Mexico.

In the natural gas transportation segment, INova is developing compression stations in Hermosillo and Pitiquito, Sonora. This infrastructure will increase the capacity in the Sásabe-Guaymas pipeline, providing redundancy to natural gas pipeline systems in Northwest Mexico. In a 60-40% JV with its partner TransCanada, INova is constructing the South of Texas-Tuxpan marine pipeline, the largest private natural gas marine pipeline in Mexico. This complex infrastructure project will begin operations in early 2019.

MBTC Awarded Key Projects by Saudi Aramco

MBTC has carried out more than 400 oil & gas well head facilities and pipeline lengths of approximately 1000 km for Saudi Aramco. MBTC was issued an appreciation letter by Saudi Aramco for executing the Maintain Potential Projects on a fast track basis and completing the wells in time, ensuring all quality and safety requirements.

Amongst the orders awarded to MBTC in the last year, the most important was the long form contract of the Onshore Maintain Potential Project of installing 500 gas / oil / water injection well head facilities & pipeline lengths of approximately 1300 km, at various locations in the southern area zone of the Kingdom of Saudi Arabia. This contract was awarded by Saudi Aramco in July 2018 for seven years with the overall contract value of approximately USD 600 million.

MBTC's President said these strategic projects clearly demonstrated Saudi Aramco's commitment towards



supporting and growing national contractors for the greater benefit of the national economy. MBTC aims to meet every commitment on the awarded projects and to continue to pursue its aggressive localisation agenda.

SCI Control & Inspection Starts a New Challenge in Canada



Canada is the most recent destination for SCI Control & Inspection, the 33-year old company that has been providing high quality NDT services worldwide for pipeline projects, using in-house AUT and RT technology. With the opening of its new office in Calgary, SCI Control & Inspection now has 29 offices worldwide, covering North and South America, Europe, Africa and Asia. In its strategic expansion plan, SCI Control & Inspection is committed to the development of new products for its service portfolio, as well as insistence on health and safety, as shown in the results of recently completed and ongoing pipeline projects in Albania, Greece, Chile, France, Mexico and Spain.

Two Vermeer Horizontal Directional Drills Used to Complete 8,400 ft (2,560 m) Bore

Using a Vermeer® D1000x900 and a D500x500 horizontal directional drill (HDD) and a pair of Vermeer R9x12T reclaimers, Hard Rock Directional Drilling recently installed 8,414 ft (2,564.6 m) of 30-inch (76.2 cm) diameter steel pipe in solid rock along a busy highway in Midland, Texas, U.S.A. The bore is part of a 4.5-mile (7.2 km) long pipeline being installed by Fasken Oil and Gas. When completed, the pipeline will carry oil, gas and water from wells to a Fasken facility. To perform the bore as efficiently as possible, Hard Rock Directional Drilling decided to use a drill on each side with a planned intersection near the middle of the bore. The Vermeer D1000x900 HDD rig was set up on



Vermeer horizontal directional drills used in Midlands, Texas, U.S.A.

the Midland side of the bore path, and on the exit side the crew used a Vermeer D500x500 HDD rig. The drills were outfitted with 8-inch (20.3 cm) mud motors and 12 3/4-inch (32.3 cm) bits to perform the pilot bore through sandstone and limestone. It took 12 days for crews to complete the initial bore at an average depth of 60 ft (18.3 m). Crews then made three passes with hole openers before pulling back a 1.7 million-pound (771,107 kg) pipe string using the Vermeer D1000x900 HDD rig.

Herrenknecht's Krishna Twin Breakthrough in Mumbai, India

Launched towards the end of 2017, the two Herrenknecht Earth Pressure Balance TBMs, Krishna 1 and Krishna 2 (Ø 6,620mm) have successfully achieved a twin breakthrough at Dadar, Mumbai on 31st January 2019. The TBM Krishna 1 completed 2492.6 meters with top monthly performances of 308 meters and Krishna 2 completed 2472.4 meters with top monthly performance of 305.2 meters.

Both TBM's have completed the drive within 14 months. The geological conditions were mostly rocky comprising of basalt, breccia, tuff coupled with water; the TBMs were operated with highly skilled staff and the obstacles were dealt with a professional approach.

After completing the total length of 5km, both TBMs are expected to be back in action for their second drive in April and May 2019 respectively.

Michels Corporation's Tualatin River Project Extends the Capabilities of Microtunneling

Michels Corp.'s microtunneling team extended the limits of technology by successfully completing a 470-ft long tunnel with a tight, U-shaped vertical curve under the Tualatin River in Tualatin, Oregon. Michels used its new Herrenknecht AVN 1800 Microtunnel Boring Machine (MTBM) and specialty 84-in. OD reinforced concrete pipe (RCP) to complete the tight



650-ft radius curve. The Tualatin Interceptor and Siphon Improvements King City Siphon will replace the original wastewater interceptor which was constructed in 1974 and has reached the end of its useful life. The new siphon – a non-gravity fed utility – was fitted with seismically resilient pipe that is better suited for the corrosive environment within the pipeline. The specialty pipe was designed in and shipped from Malaysia for this project.

The tunnel was bored in less than a month, holing through in late November; comprehensive planning took substantially longer. That process included a comprehensive review of Michels' many trenchless construction options to determine which one had the best potential for success. Ultimately microtunneling was determined to be the best fit.

The Tualatin project required the boundary-pushing design to allow the siphon system to meet the required functionality with a minimal construction footprint. Typically, a microtunneling project would be launched and received from watertight, secant pile shafts up to 60 ft deep to allow for a straight alignment or minor horizontal and vertical curves. However, this project used 20-ft-deep sheet piling shafts, resulting in significant cost savings.

SAIPEM: New FEED Contract from Exxonmobil for Gas Field Development in Vietnam

Saipem's XSIGHT division has been awarded a new onshore-offshore FEED contract for the Ca Voi Xanh (Blue Whale) project by ExxonMobil Exploration and Production Vietnam Limited (EMEPVL) and its joint venture partners PetroVietnam and PetroVietnam Exploration Production Corporation.

The project encompasses the design of the facilities for the development of an offshore gas and condensate reservoir located within block 118 offshore Vietnam, the largest gas



field in the country. The treated gas will be delivered to two power complexes, each containing two power trains.

Saipem will provide Front End Engineering Design Services for the project that consists of an offshore platform, offshore gas and condensate pipelines, offshore fibre optic cabling, an onshore gas treatment plant (GTP), onshore pipelines and an onshore condensate offloading facility.

The CaVoi Xanh development project will provide a competitive and cleaner energy source to Vietnam. The project will have the effect of accelerating the socioeconomic development of the country, by fuelling local industry.

Joint Venture STREICHER-Bonatti Carrying Out Six Lots of EUGAL/Germany



On behalf of Gascade Gastransport GmbH- a subsidiary of BASF and Gazprom - the joint venture STREICHER-Bonatti is carrying out lots 9 to 14 of the new EUGAL gas pipeline in the East of Germany. The pipeline will be powered by Nord Stream 2, the gas transport network that connects Siberia to the heart of Europe via the Baltic Sea. The overall route of EUGAL is around 480 km long (Line 1 / 480 km; Line 2 / 329 km) .

The new pipeline will have a maximum capacity to transport 55 bln cbm/year of gas. The entire pipeline is divided into 14 lots: pipes have a diameter of 56 inches (1420 mm) and a thickness of 23mm. JV Bonatti / Max Streicher plays a decisive role in the realisation of the project with the execution of 6 lots for a total length of about 292 km.

Moreover, the order includes the execution of more than 250 crossings, 23 stations as well as special constructions at the rivers.

Membership Centre

New Associate Members



BAUMA (Vermiet- und Handels GmbH) stands for **Bernhard, Alexander Und** (and) **Matthias Albert**. The company, founded in 1956, has a three-generation long tradition of trading in construction machinery. BAUMA trades in earthmoving machines, pipelayers and welding tractors. All machinery is from well-known manufacturers such as CAT, Komatsu, LIEBHERR and VOLVO. BAUMA holds several regional dealerships for equipment manufacturers and has been serving the pipeline industry since around 2000. It now owns around 60 heavy pipelayers and welding tractors, predominantly for rental. With its current total fleet of more than 300 machines, BAUMA is 'betting on multiple horses'.

Bauma Vermiet - und Handels GmbH

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OVERPIPE is a French company, a branch of the family owned group HSL, dedicated since 2009 to the development of innovative solutions for the protection of buried networks from third party interference. The main products developed by OVERPIPE, in co-operation with ENGIE R&D department, are:

- HDPE plates which resist the pressure of a 32 tonne excavator equipped with a teeth bucket
- PET meshes with customisable levels of mechanical resistance capable of withstanding an impact of 18 tonne excavator

OVERPIPE's main clients are gas transmission or oil companies which are facing changes in class location, and more generally high-risk of encroachment in HCA's with possible dramatic impact. The company's expertise in oil & gas maintenance means they are able to provide innovative solutions on safety and technical issues.

OVERPIPE SAS

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New Corresponding Members



Repsol develops oil exploration activities in the Amazon rainforest region, undertakes oil refining and distribution and the commercialisation of fuels. In the field of exploration the company operates four blocks: one in exploration and three in production. Block 57 is operated by Repsol and Block 56 and 88 make up the Camisea Consortium. Block 103 in the San Martin region of Peru is operated 100% by Repsol. Since 1996, Repsol has been the operator of La Pampilla Refinery, located in Callao, Peru. It currently has more than 2,600 shareholders and is considered the most modern and important oil refinery in the country. Likewise, it is present in the distribution and commercialisation of fuels through a wide and modern network of service stations, industrial clients and large mining.

Repsol

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Peru
www.repsol.com/en



The **Trans-Anatolian Natural Gas Pipeline (TANAP)** is part of an energy corridor of 3,500 km extending from Azerbaijan to Europe. TANAP receives the natural gas of Azerbaijan from the South Caucasus Pipeline at the Turkey-Georgia border and passes through 20 provinces, 67 districts and 600 villages and connects with the Trans-Adriatic Pipeline (TAP) on the Turkey-Greece border. Extending for 1,850 km with 56" and 48" diameter pipes, TANAP is the longest and largest-diameter natural gas pipeline in the Middle East and Europe and will initially carry 16 billion m³ of natural gas on an annual basis: 6 billion m³ being used in Turkey, while the remaining 10 billion m³ will be transported to Europe. The design of the pipeline allows an increase in the transportation capacity to 24 billion m³ and then to 31 billion m³ with possible future investments.

TANAP Natural Gas Transmission Company

Sögütözü Mahallesi Sögütözü Caddesi Koç Kuleleri B Blok,
No: 2B/37
Ankara
Turkey
www.tanap.com

Health, Safety, the Environment & CSR

Health, Safety & Environmental Statistics Required of All Regular Members

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

The online form, along with guidelines and translations in French, Russian and Spanish, are available at www.iploca.com/hsestatistics. The returns should cover pipeline construction sites or offshore operations and all infrastructure-related projects.

The deadline to submit your 2018 Health, Safety and Environmental Statistics Returns is **8 March 2019**. So if you are representing a Regular Member and you have not yet sent in your statistics, please do so immediately.

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

2019 Environmental Workshop

Tuesday, 22 October in Geneva, Switzerland

Mark this tentative date in your diaries and watch this space for more information in future editions of this newsletter.



Jean-Michel Baelen

New Member of the HSE & CSR Committee

The HSE Committee welcomes its newest member: Jean-Michel Baelen. Jean-Michel joined Serimax in June 2015 and is responsible for the HSE Team of EMEA/CIS and the HSE topics to all sites and projects of the region. He also helps the other regions with security questions (country risk) and has developed a security network across the EMEA/CIS countries. In addition he focuses on the human factors to anchor a real culture of safety.

Jean-Michel has 14 years' experience in QHSE domains, having previously worked for Total Gaz, Total Lubricants, the French Blood Establishment, pharmaceutical companies and in the textile industry.

Reminder

Migration from OHSAS 18001 to ISO 45001

On 12 March 2018, ISO 45001 was released and will replace OHSAS 18001.

The new standard is the world's first occupational health and safety standard that is recognised globally and is designed to provide a safe and healthy workplace for your employees. The new standard has also been updated to allow smoother integration with other ISO standards such as ISO 9001 (Quality) and ISO 14001 (Environmental).

Organisations already certified to OHSAS 18001 will have three years to comply with the new ISO 45001 standard, although certification of conformity to ISO 45001 is not a requirement of the standard.

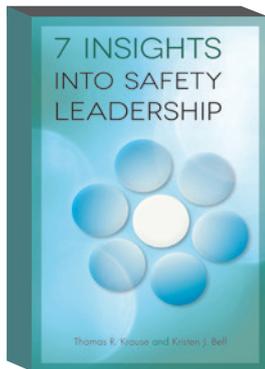
HSE Shared Experiences Platform

Share your experiences so that others may benefit! Learn from the experiences of others, don't make the same mistakes! We welcome and encourage all industry players to visit www.iploca.com/hseplatform.

Close to 260 documents sorted into various categories are now available, including some bilingual such as English/Arabic and English/Korean. All languages are accepted. Note that, in addition to health and safety issues, environmental incidents and best practices are also included. The target set by the HSE & CSR Committee to upload 500 documents by the end of 2018 has not yet been met. Help us to meet it as quickly as possible! As a reminder, the contributor of each month is given visibility on our website. Special thanks go to the following companies for their latest contributions: Price Gregory International and Sicim S.p.A.

7 Insights into Safety Leadership

Filip Coumans, Krause Bell Group



As an invited presenter at IPLOCA's 2018 'Saving Lives in the Pipeline Industry' Health & Safety Workshop, I was honoured to be part of this event. Saving lives should be our core concern, and placing that as our first priority is paramount in making a much-needed paradigm shift.

Over the last couple of decades, safety performance has been linked to improvements in injury rates. While this standard of measurement is not bad per se, it has masked a troublesome reality: injury rates have been declining steadily, while the number of serious injuries and fatalities (SIFs) has been stable or declining at a much slower rate.

Isn't safety first and foremost about saving lives—the very subject of this workshop? I believe it is. Unfortunately, the numbers show that we are failing in our duty to address the most serious events while we are beating our own drum for improving injury rates. We are fooling ourselves.

This leads me to the paradigm shift I indicate we need. This paradigm shift is that not all injuries are the same: SIFs have different causes and correlates than smaller injuries.

Once we understand this, it helps us shift our attention, energy, and focus to understanding how exactly these SIFs take place, and on how we create a strategy to prevent them from happening in the future.

This is just one of the findings that led my colleagues Dr. Tom Krause and Kristen Bell to write the book *7 Insights into Safety Leadership*. Their second insight is unambiguous: 'Safety leadership starts with attention to serious injuries and fatalities.'

If you understand how fundamental that safety insight is, really a paradigm shift, you may wonder why a truism like 'Safety performance leads business performance' is the first insight. 'Didn't we already know that?' I hear you say: Yes, we did. In today's world it isn't accepted anymore to say otherwise. At a superficial level, almost no manager will argue that 'safety is good for business.' But do these same managers really believe this? And perhaps even more importantly, do they understand the mechanism that makes this statement so true?

The mechanism in itself is relatively simple. Safety is about people's integrity. If you are able to convince and demonstrate to others that you truly care about their safety—about their personal integrity, about who they are—it will unleash energy within these people that will create an engagement that transcends safety. That engagement will lead to great performance overall.

Once you truly believe and understand this, it will change your efforts and the resources you are willing to dedicate to safety. This is why it precedes the insight about SIFs.

Describing each of the seven insights would lead me into... well, writing the book that has already been written. But it's worth touching on the next five insights we feel every safety leader needs to understand:

- Leadership sets safety improvement in motion
- Culture sustains performance—for better or for worse
- Safe decision making is built on the understanding of core safety concepts
- Understanding the role of behaviour in safety performance improvement
- Cognitive bias affects Safe Decision Making™

I spoke about each of the insights during the workshop, and invite you to watch my recorded presentation on the IPLOCA website – www.iploca.com/hseworkshop.

Recognising, understanding, and implementing these 7 Insights will help the members of IPLOCA improve their overall business performance, even as they concentrate on and strive to have a fundamental impact on saving lives.



IPLOCA Awards

to be presented in Bangkok



Would your company like the opportunity to be selected and recognised as a leader in search for excellence within the pipeline industry? It is now time to choose which of your company's significant initiatives or achievements meets the eligibility requirements to be considered for one of the following IPLOCA Awards.

Deadlines for submissions are coming up in May. For more information, such as guidelines, entry forms, eligibility and details on previous winning entries, you may refer to www.iploca.com/awards.

Note that all entries should be focused on the pipeline industry and related work and are **required to comply with the guidelines**, including submission in the appropriate format, not exceeding the maximum number of pages and within the specified time frame. For the annual H&S Award, it has been decided to limit entries to projects launched a maximum of three years earlier, and a maximum of five years for the four other awards that are presented every other year. Please contact Sarah Junod, sarah.junod@iploca.com, if you have any questions.



2019 IPLOCA Corporate Social Responsibility Award

sponsored by Total

Deadline: 17 May

The Corporate Social Responsibility Award is presented every second year, alternating with the Environmental Award and is in recognition of members' initiatives, which are aimed at improving the living conditions of the people impacted by the pipeline industry such as:

- An initiative to address a specific need identified in the local community
- A programme or practice demonstrating the corporate social responsibility of the company
- A creative initiative in which a large impact is made with a small investment
- A long term project, intended to be continuously supported by the company or another company, once the pipeline activity is complete



2019 IPLOCA Health & Safety Award sponsored by Chevron

Deadline: 10 May

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

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



2019 IPLOCA New Technologies Award, sponsored by BP

Deadline: 24 May

The biennial New Technologies Award gives recognition to a significant contribution to innovation in the engineering of, the provision of equipment for, and the construction of pipelines by virtue of:

- A technological or engineering breakthrough
- A new piece of equipment, tool or construction supply
- A new type of permanent material
- Other relevant innovations

53rd Annual Convention - Bangkok, Thailand

IPLOCA's Annual Convention will take place from **30 September to 4 October at the Shangri-La Hotel, Bangkok. The convention brochure will be mailed out in May, and [online registration will open on Monday, 3 June.](#)**

B2B Meetings to be continued

Following positive feedback during the London convention we will once again be facilitating Business to Business Meetings (B2B), at which delegates will be able to book a 10 minute one-to-one appointment with potential buyers, suppliers, operators and contractors, to discuss possible business opportunities.

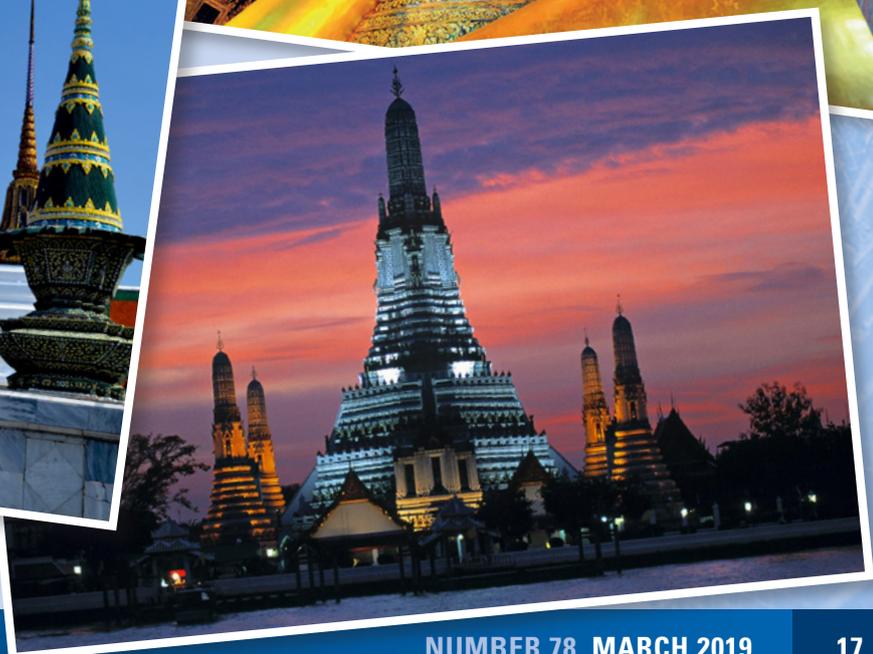
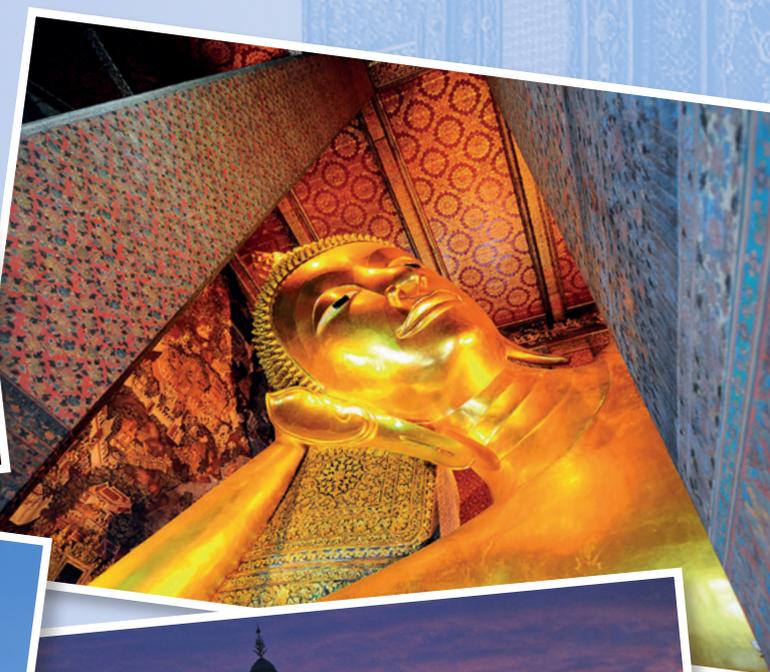
If you are interested in either taking part in the B2B event or wish to be a representative host company, please email convention@iploca.com.

Tour Programme

The tour programme will include visits to the spectacular Grand Palace, undoubtedly the city's most famous landmark; Wat Arun (the Temple of Dawn); and Wat Pho, famous for its giant Reclining Buddha that measures 46 metres long. Delegates will also have the opportunity to visit the ancient city of Ayutthaya, now a UNESCO world heritage site; as well as Damnern Saduak, the most popular floating market in Thailand where farmers trade their produce from rowing boats.

To get about, we will be favouring water transportation as much as possible since Bangkok is infamous for its traffic congestion problems!

Suggestions and recommendations on pre and post event tours to Cambodia, Vietnam and Krabi or Phuket in Thailand, will be provided upon request by the ground agent to those who are interested in prolonging their stay.



Innovation Committee

The Innovation Committee is dedicated to explore, develop and deliver new ideas, technologies, equipment and processes that add value to the pipeline industry.

It provides a forum, leadership and guidance to foster these innovations and inform the IPLOCA membership about the current technology and trends affecting the pipeline industry. It also collaborates with PRCI (Pipeline Research Council International) in the development of research studies that populate the live document “The Road to Success”



Novel Construction Spring Session

The Novel Construction Spring session will be held from 3 to 4 April at the Rafaelhoteles Atocha, Madrid, Spain.

All the details regarding this event are available on our website: www.iploca.com/novelsession. These sessions serve as an open forum for member and non-member companies to present their newest developments within our industry and are an opportunity for the workgroups to meet and discuss their contributions to “The Road to Success” app.

If you are interested in presenting any new or innovative developments, please do not hesitate to submit your proposal to gregoire.demontmollin@iploca.com or juan.arzuaga@iploca.com.

New contributors to the workgroups are always welcome, so should you be interested in helping to keep the “The Road to Success” app up to date, please contact the appropriate group leader:

Sharing our Pipeline Construction Collaborative Initiative

Houston Seminar, 6 May

Following the successful event last year, Tim Zboya is kindly hosting a day’s technical seminar on the first day of the Offshore Technology Conference (OTC) in the Bechtel theatre, 3000 Post Oak Blvd., Houston, Texas, U.S.A.

The focus of this event will be to provide technical presentations by members of the Innovation Committee, covering new technologies and innovative information contained within “The Road to Success” app, plus future developments currently being worked on.

This seminar is open to all members and, in particular, representatives of our Corresponding Members would be most welcome.

The agenda and further details will be posted on our website: www.iploca.com.

Working Groups	Leader (Company)	Email
Health & Safety	Alain Gauthiez (Spiecapag)	alain.gauthiez@spiecapag.com
Earthworks & Crossings	Paul Andrews (Fluor)	paul.i.andrews@fluor.com
Steep Slopes Installation	Gustavo Guaytima	gustavo.guaytima@gmail.com
New Trends & Innovation	Mustafa Abusalah (CCC)	mabusalah@ccc.net
Coatings	Somaieh Salehpour (Shawcor)	somaieh.salehpour@shawcor.com
Environment	Sue Sljivic (RSK)	ssljivic@rsk.co.uk
Logistics	Bruno Pomaré (Spiecapag)	bruno.pomare@spiecapag.com
Pre-commissioning	Vincenzo Calabria (Sicim)	v.calabria@sicim.eu
Bending	Geert Dieperink (Maats)	dieperink@maats.com



IPLOCA at the Pipeline Technology Conference (PTC)

For the second year, IPLOCA will have a booth at PTC, which will be held from Tuesday 19 to Thursday 21 March in Berlin, Germany.

We would be delighted to have you and your colleagues visit **booth 58** and share your experience as a member of IPLOCA. For further information on PTC, please visit their website: www.pipeline-conference.com.



Regional Meetings

For more details on these meetings, visit www.iploca.com.

Parma, Italy

Regular Members Bonatti and SICIM will be running a Regional Meeting for Europe Mediterranean in Parma on Tuesday 28 May. IPLOCA Director for Europe Mediterranean, Alberto Barbieri and IPLOCA 2nd Vice President, Oliviero Corvi will be present to greet guests and make presentations. There will also be a technical session by a speaker from Saipem.



Moscow, Russia

Regular Member J.S. Welding & Building Co. will hold a Regional Meeting in Moscow on Tuesday 11 June to coincide with the June IPLOCA Board Meeting. The Regional Meeting will be in Russian, with English translation provided. IPLOCA 1st Vice President Iosif Panchak will host this event.

Upcoming Events

2019

DCA 58th Convention

4-9 March - Nassau, Bahamas
www.dcaweb.org

PIG – The Pipeline Industries Guild Annual Dinner

12 March - London, U.K.
www.pipeguild.com

PTC Side Conferences & Seminars

18 March - Berlin, Germany
www.pipeline-conference.com

PTC – Pipeline Technology Conference

19-21 March - Berlin, Germany
www.pipeline-conference.com

Offshore Mediterranean Conference Exhibition

27-29 March - Ravenna, Italy
www.omc2019.it

Hannover Messe

1-5 April - Hannover, Germany
www.hannovermesse.de

IPLOCA Novel Construction Spring Session

3-4 April - Madrid, Spain
www.iploca.com/novelsession



BAUMA

8-14 April - Munich, Germany
www.bauma.de

Pipeline Opportunities Conference

9 April - Houston, TX, USA
pipeline-opportunities.com

Pipeline & Energy Expo

9-11 April - Tulsa, OK, USA
pipelineenergyexpo.com

IPLOCA Seminar

6 May - Houston, TX, U.S.A.
www.iploca.com



Offshore Technology Conference

6-9 May - Houston, TX, U.S.A.
2019.otcnet.org

PLCAC 65th Annual Convention

12-16 May - Ottawa, ON, Canada
www.pipeline.ca

IPLOCA Regional Meeting for Europe Mediterranean

28 May - Parma, Italy
www.iploca.com



IPLOCA Regional Meeting for the Russian Federation

11 June - Moscow, Russia
www.iploca.com



EPOCH – Exploration and Production Offshore Congress

Hub 16-17 September - Thessaloniki, Greece
www.oilepoch.com



IPLOCA 53rd Annual Convention

30 September - 4 October
Bangkok, Thailand



Other Important IPLOCA Dates

Health & Safety and Environmental Statistics

8 March - Deadline for submissions

Member News for IPLOCA June Newsletter

15 April - Deadline for submissions
newsletter@iploca.com

2019 IPLOCA Health & Safety Award

10 May - Deadline for submissions

2019 IPLOCA Corporate Social Responsibility Award

17 May - Deadline for submissions

2019 IPLOCA New Technologies Award

24 May - Deadline for submissions

IPLOCA Annual Convention

3 June - Registration opens

Member News for IPLOCA September Newsletter

15 July - Deadline for submissions
newsletter@iploca.com



In addition to the IPLOCA funded scholarships, we are pleased to now offer the possibility to member companies to sponsor a scholarship.

We currently have 3 sponsors:



The deadline for applications to sponsor scholarships is **31 March 2019**. Should your company be interested in this opportunity, please contact Steve Sumner (steve_sumner@lincolnelectric.com).

Profile of Past President Walter Zimmermann



Many congratulations go to IPLOCA's Past President Walter Zimmermann who is celebrating his 80th birthday in March.

Walter was born in Hanover, Germany and after finishing his education in mechanical engineering and some assignments with tractor construction, tool fabrication and even biscuit producing companies, he joined Preussag in 1963 at the very beginning of pipeline laying in Germany. Since then Preussag spread its wings and became international, working on projects all over the world and even founding its subsidiary Conduto in Brazil. Preussag is proud to be included amongst the founding companies of the PLCA in 1966. Walter joined the Board of the then IPLCA in 1982 first as Treasurer and later became President in 1989, just after the association included companies working offshore and became IPLOCA.

Walter has enjoyed a thrilling pipeliner's life and even after his retirement he was still busy in jobs for GM / VW in Spain. He now makes the most his beautiful house and garden with his wife Christel and is looking forward to attending his 49th convention in Bangkok this year!

IPLOCA Media Partners

Editorial opportunities are available for IPLOCA Members.
Contact: jacqueline.tempel@iploca.com.

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2018-2019



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*appointed by the Board of Directors

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