



Anniversary
1966 - 2016

THE IPLOCA NEWSLETTER

SEPTEMBER 2016



50th Anniversary Convention - Paris

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BENDING HISTORY



This is what experience looks like

POWER: The Maats bending machine program ranges from 16 to 60 inch. The robust and reliable Maats bending machines have the capacity to bend pipes up to 1 inch wall thickness x100 of the maximum loadable pipe-size. The Maats bending machines are the strongest available in the market.

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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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Cover Photo

Chainsaw Trencher at water pipeline project in Saudi Arabia
Courtesy of **Tesmec**

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Letter from the President

Our 50th anniversary convention is now less than two weeks away and I feel privileged to be presiding over this very special event in Paris. An exciting and varied programme awaits us and I feel confident that this will be a memorable week for all participants. An update on the speakers presenting during the Open General Meetings, our final list of sponsors and other details regarding the convention can be found on pages 18 - 20.

On Thursday 15 September we will be holding election meetings for ten vacant seats on the Board of Directors. We encourage you to attend these election meetings and show your support for the association. All elected candidates are confirmed during the Annual General Meeting on Friday 16 September.

We received many high quality submissions for the IPLOCA Health and Safety Award sponsored by Chevron, the IPLOCA Environmental Award sponsored by Shell and the IPLOCA Excellence in Project Execution Award. More information on the awards is on page 21.

Our committees have been busy and very productive this year. The HSE Committee organised a fascinating Health & Safety Workshop on 23 June in Geneva, around the theme of Safety Assessment Efficiency, and has further developed the Shared Experiences platform which we encourage you to consult and, in particular, contribute to.

The review of the Health & Safety statistics submitted by our members has revealed discouraging results for 2015, with a huge increase in the number of fatalities. We strongly recommend that all our members take advantage of the HSE initiatives organised by IPLOCA to improve their performance. There has not been any substantial improvement in environmental incidents either based on submissions received, with even a significant increase in waste disposal incidents. Both statistics reports can be reviewed as attachments to this newsletter.

We are also proud to announce the first IPLOCA Scholarship recipients in this newsletter and to remind you that the 4th edition of the best practices book "The Road to Success" will be launched this month as a mobile app.

I am looking forward to spending time with many of you in Paris and I would like to thank my fellow board members, the membership and friends of IPLOCA for their ongoing support and commitment to our association.

Best regards,

Atul Punj

IPLOCA President 2015-2016

News from Geneva

New IPLOCA Media Partner

We are pleased to announce that Great Southern Press, publisher of "Pipelines International" has joined IPLOCA as our newest media partner, effective from September 2016.

They will be represented at our convention in Paris by David Marsh, Sales Manager and copies of their publication will be available at the Publications Desk in the registration area, along with publications and magazines from our other media partners: Benjamin Media, Oildom Publishing, Palladian Publications and Pennwell Petroleum Group.

Please refer to page 30 for the contact details of all our media partners.

IPLOCA Newsletter Archives

As part of the preparations for our 50th anniversary celebrations, in addition to reviewing past Board Meeting Minutes to produce the 50th Anniversary Presidents Book, we have classified and scanned all previous newsletters. We now have a full set of the association's newsletters from December 1990 to the present time (from N° 1 to 67 inclusive). All old newsletters are now available on our website in the Newsletter Archive page under Publications/ IPLOCA Newsletter, via the following link: www.iploca.com/iplocanewsletter.



World Federation of Pipe Line Industry Associations



The World Federation of Pipe Line Industry Associations (WFPIA) approved a Heads of Agreement document for the Federation at their last meeting during the Pipe Line Contractors Association of

Canada (PLCAC)'s 62nd Annual Convention on 30 May in Charlottetown, Prince Edward Island.

The Federation groups together all associations related in one way or another with the onshore and offshore

construction of international and regional oil, gas, water and slurry pipelines. Members of the Federation work together to promote safety, protection of the environment and foster and develop the science and practice of the construction of pipelines. They also share and exchange information for the benefit of the industry as a whole. The Federation invites any related associations that would be interested in joining, and becoming a Sister Association, to contact Juan Arzuaga, IPLOCA Executive Secretary (juan.arzuaga@iploca.com) for further information on the application process.

2017 IPLOCA Scholarship Programme



In its inaugural year, IPLOCA has given 20 scholarships valuing a total of USD 90,000 to help the next generation pursue their chosen field of study.

The Scholarship Committee would like to continue to build the scholarship programme, for the benefit of all members, to assist children and grandchildren of employees of member companies who plan to continue their education in college, university, or

vocational school programmes. Scholarships are offered annually for full-time study at an accredited institution of the student's choice.

Please note the application submission deadline for 2017 is 27 January.

Please visit www.iploca.com/scholarship for more information on the eligibility requirements and electronic versions of the flyer. Applications may be made online at www.scholarsapply.org/iploca as of **October 2016**.

Board Meeting Update

Havana, Cuba



The May Board of Directors meeting was held in Havana, Cuba and a summary of the meeting follows:

HSE Committee

As at 3 May, 80% of H&S statistics returns and 77% environmental statistics returns had been received and approved. It was reiterated that those Regular Members who had not submitted their H&S statistics would not be able to attend the convention. The directors were reminded that environmental statistics will also be a requirement to register for the convention, as of next year.

The committee voiced their concern about the number of fatalities (21 reported as at the date of the meeting as opposed to 8 in 2014). In addition, one project reported a total of 4 fatalities, which were road accidents. There were also a significant number of environmental incidents reported by one company. The association encourages members to upload these cases onto the recently launched Health & Safety Shared Experiences platform, so that the whole membership can learn from these incidents to help to avoid them in the future. (See page 16 of this newsletter for more details on this platform.)

The next Health & Safety workshop was scheduled for 23 June in Geneva on the topic of "Safety Assessment Efficiency." Members are also strongly recommended to send company representatives to these workshops which are organised annually and are a benefit of membership of the association. (An article on this event can be found on page 17).

To note: a Health & Safety chapter is going to be included in the mobile app for the 4th edition of "The Road to Success".

As requested by the board in March, the committee proposed the following lead indicators to be reached by 2020:

- Reports of near misses to total more than 30,000
- H&S training rate of greater than 15,000 hours per million worked hours

Within the required deadlines, 21 entries had been received for the H&S Award and 12 entries for the Environmental Award. The next HSE Committee meeting was scheduled for 22 June.

Client Engagement Committee

The potential list of Corresponding Members was reviewed and directors were asked to follow-up as required.

At the time of the meeting three Corresponding Members had been confirmed and three were waiting for internal approval. (The latter have subsequently been confirmed as members.) The Secretariat confirmed that those Corresponding Members who wished to be listed in the Yearbook would appear on a separate page, in a similar way as Academic Members.

New Technologies Committee

The Spring Novel Construction sessions took place on 31 March and 1 April in Geneva, attended by about 60 participants. Two presentations were made by non-members: one by the National Technical University of Athens on the Assessment of Earthquake-related Geohazards and Seismic Design of Onshore and Offshore Pipelines and one by SwissTip on a 3D Danger Detection System for operating equipment safely. Articles on both these topics appear in the June 2016 edition of the IPLOCA Newsletter. There were also updates on a new internal welding system by Magnatech, 3D imaging techniques from Applus RTD and the Laurini pipelayer system.

It was agreed that these meetings attract more and more participants and that they will continue to be held, including the work group sessions. These bi-annual meetings are also a way of attracting potential members.

A meeting was held in April with the president of PRCI in Langfang, P.R. of China, while he was attending the Interpipe Conference & Exhibition. He confirmed he had released the "Route Selection Guidance" document to IPLOCA. IPLOCA would also be given access to the 2nd phase (Lowering-in Study), with the idea of including these documents in the 4th edition of "The Road to Success".

A free smartphone application is being prepared for the 4th edition of "The Road to Success" to be launched at the convention in Paris.

At the time of the board meeting, it was believed that only 2 applications for the Excellence in Project Execution Award had been received and the deadline was the next day (20 May). It was therefore agreed to extend the deadline by one month.

Convention & Board Location Committee

The committee's recommendation is to revert to the practice of holding board meetings in locations to test out where a convention could take place in the future. The London hotel that met all the requirements stipulated by the board for the 2018 convention was presented for approval.

Regarding the 2019 convention in Europe Central, the committee is seeking ideas for a location. This region is rather small and the choice of suitable locations seems to be limited.

It was agreed that this time next year, a decision should be made on the 2019 convention location.

Scholarship Committee

The committee reported on the progress made with the IPLOCA Scholarship Programme. It was confirmed that out of the 120 applicants who met the eligibility requirements, 20 recipients were selected, based on a number of criteria including their overall ranking, whether they had family ties to an IPLOCA Regular or Associate Member and the IPLOCA Geographic Region they were attributed to.

The final selection of recipients, who were all allocated a scholarship of USD 4,500, is featured on page 28 of this newsletter. A presentation on the programme will be made during the 2nd Open General Meeting of the convention in Paris. The committee was congratulated for their work and it was noted that there was a lot of enthusiasm amongst members for this new initiative.

Minutes of the Seville Meeting

The minutes from the Seville March 2016 Board meeting were reviewed and a number of action points were brought forward to be worked on, including the possibility of paying membership fees by credit card as of next year.

Treasurers Report

Treasurer, Jan Koop, presented the final audited result for 2015, which was a surplus of CHF 129,000. The forecast for 2016 is more or less in line with the budget, however he said that around CHF 20,000 in membership fees is unlikely to be collected.

Evolution of Membership

The following companies were approved for membership:

- **Luoyang Deping Technology Co. Ltd.**, China (Associate Member)

- **GRTgaz**, France (Corresponding Member)
- **Shell Projects & Technology**, The Netherlands (Corresponding Member)

Name changes approved:

- **Technip Germany GmbH** to **MANNESMANN Engineering & Construction GmbH**, Germany (name change back to their roots - former Mannesmann Anlagenbau - and the company is leaving the Technip Group of companies).

Resignations received:

- **UniversalPegasus International, Inc.**, U.S.A. – resignation effective as of January 2017
- **Stroynovatsiya Ltd.**, Russia

Executive Secretary Report

At the request of the directors, an Executive Secretary Report has been added to the Board Meeting agenda.

Juan Arzuaga summarised the work of the Secretariat over the last quarter, covering:

- Convention planning
- Regional meetings
- Board meetings
- H&S workshop
- Novel Construction
- Awards
- Membership activity
- World Federation of Pipe Line Industry Associations
- Administration
- Media activities

Media Activities for 50th Anniversary

To highlight IPLOCA's 50th anniversary, our Media Partners are featuring various articles, including:

- Pipeline & Gas Journal – August supplement, including history of the association, updates on IPLOCA's activities, preview on the 50th anniversary convention and IPLOCA awards recognitions
- World Pipelines – Guest comment in the June edition and interview article in August edition
- North American Oil & Gas Pipelines – July issue – cover story including activities and history of the association.

Convention - Speakers for Paris

The potential list of speakers for Paris was reviewed and agreed. The final list is as follows:

- Marion Prouteau on the history of the architecture of Paris;
- A senior representative from Trans Adriatic Pipeline AG on the challenges associated with this project;
- Laura Speake, Regional Chief Economist, Caterpillar – Energy & Transportation, on global economic conditions

- with a specific oil & gas outlook;
- Eric Courtalon of GRTgaz on the Los Ramones Sur Pipeline project in Mexico;
- Jonathan Green, Bonmont Energy, giving an update on his 2015 convention presentation;
- Mark Bridgers, Continuum Capital, on operator & contractor alliance use;
- Pierre Bechelany, Fluor on Pipeline Mega Projects.

Mexico in 2017

The proposed hotel and the dates for the 2017 convention in Mexico were confirmed and will be announced at the convention in Paris.

Regional Meetings

Juan Arzuaga explained that he had been invited to not only present at the Regional Meeting organised by China Petroleum Pipeline Bureau (CPP) in Langfang, China on 13 April, but was also invited to make an opening speech and presentation on new technologies at the 2016 Interpipe Conference which took place the day before the regional meeting.

A total of 47 participants attended the regional meeting organised by Storygazmontazh in Moscow, Russia on 26 April and hosted by Iosif Panchak, IPLOCA Director, Europe Eastern.

Oliviero Corvi, Bonatti S.p.A. and Director, Europe Mediterranean said that a regional meeting in Parma was confirmed for 9 June, and would include a presentation on IPLOCA's initiatives by Roberto Castelli, past IPLOCA Board Director for the region.

Elections

The list of Board of Directors seats that will become vacant in September were reviewed. More information on the elections to the board can be found on page 26.



Professional Conference Organiser (PCO) & Destination Management Company (DMC) international tenders

Following a request from the Executive Committee, the Secretariat organised an international tender for the next three conventions. The results showed that none of these global organisations were able to find better rates than those the Secretariat had been quoted directly.

It was agreed to continue functioning in the same way, i.e. to negotiate room rates and conference space directly with the hotels and to hire a local DMC through a tender process.

Women in the Business

Sue Slijivic, Director at RSK Group Plc, who is also leader of the Novel Construction Environment work group asked that the following point be raised at board level: what role might IPLOCA be able to play in order to encourage more women to enter the pipeline business.

The discussion turned towards not just the issue of gender, but also generally the lack of young pipeliners. Overall it was agreed that the difficulty IPLOCA faces is that it represents member companies from many countries with a variety of cultures and varying views on the role of women in the workplace. To encourage further discussion on the subject, Sue Slijivic has written an article for the newsletter – see page 24.

The next board meeting takes place on 11 September in Paris, during the 50th anniversary convention.

The cultural programme in Havana included guided tours of the old city, Mojito & dancing lessons for the ladies, a panoramic tour by classic American vintage car and a private concert of classical music with a Caribbean touch by the all-female orchestra "Camerata Romeu".



Member News

Applus+ RTD Makes Developments in Digital Radiographic Inspection



Applus+ RTD has introduced the shielded 'RTD Rayscan Oyster' system in the onshore new construction pipeline industry as the next step in the development of digital radiographic inspection systems. This system allows the digital RT inspection of pipelines up to 36" in diameter. The shielded Rayscan Oyster system can operate in the near vicinity of the mainline welding crew during pipeline construction. This is feasible as the Rayscan Oyster system is operated from a 4x4 mobile truck and equipped with lead shielding against radiation. With this innovation, pipeline contractors are far more flexible in the pipeline construction process and are able to work under safer environmental and radiation conditions.

Shawcor Announces Conditional Contract to Provide Pipe Coating Services for the Tuxpan Gas Pipeline Project

Shawcor Ltd. announced that its pipe coating group has received a conditional contract worth approximately C\$ 300 million from Infraestructura Marina del Golfo (IMG), to provide pipeline coating solutions to the Comisión Federal de Electricidad (CFE) Sur de Texas - Tuxpan gas pipeline project. The Tuxpan gas pipeline project will transport natural gas along an underwater route in the Gulf of Mexico, from the South of Texas, USA to Tuxpan, Veracruz. It will supply natural gas to the CFE's power generation plants in multiple regions of the country. IMG is a Mexican company majority-owned by TransCanada Corporation and partially owned by IEnova. The contract involves coating approximately 690 km of 42" pipe with the application of concrete weight coating in a variety of thicknesses (2.25", 2.752" and 3.5") and supplying the installation of 5,000 sacrificial anodes. Coating is expected to commence at the

beginning of 2017 and complete by the end of 2017. The company will execute the work at Shawcor's new coating facility in Altamira, Tampico, MX. The new Altamira facility was strategically developed to serve offshore projects in the Western Hemisphere from Mexico. Development started in January 2016 and will be fully mobilised and functional by the third quarter of 2016 to serve the Sur de Texas - Tuxpan project requirements. The facility is comprised of a dedicated automated pipe inspection and repair plant and two high capacity concrete weight coating plants capable of coating pipes of up to 48" in diameter. It is located with access to substantial adjacent storage areas, placed within 2 km of the commercial port quays for receipt of pipe and raw materials.

Serpetbol Perú Completes Loop Costa II Gas Pipeline

Serpetbol Perú, a company specialised in civil construction and electromechanical assembly for the oil & gas, energy and mining industries, recently finished the construction of a 31 km, 24" gas pipeline (Loop Costa II), on the Peruvian coast near Lima for TGP (Transportadora de Gas del Perú) which started in August 2015.



Euro Pipeline Equipment 10 Performer GPL 980 Chosen Once Again by Saipem

Saipem (Società Azionaria Italiana Perforazioni e Montaggi), a leading company in engineering services, drilling and construction of large plants and oil & gas onshore and offshore pipelines, has once again chosen to rely on Euro Pipeline Equipment for a huge project which will carry up to 10 billion cubic meters of gas across Europe. After the 16 machines purchased by SICIM and sent to Turkey to build the TANAP Project, another 10 Performer GPL 980 have been requested in Azerbaijan and Georgia. A first group of 5 Performer GPL 980 - pipelayer machines with a maximum lift capacity of 98,000 kg



will operate soon in the Shah Deniz oilfield, located 90 km from the Azerbaijan coast, to contribute to the construction of the South Caucasus Pipeline Expansion Project. This pipeline will be of strategic value for the provision of energy all over Europe; it will connect the Caspian Sea oilfield both to the TANAP project in Turkey and to TAP, the pipeline bringing gas from Albania to the Salento Region of Italy.

Vacuworx Equipment Introduced to Tubacero

Underground Construction Supply Mexico introduced Vacuworx vacuum lifting systems to one of its customers, Tubacero, who was interested in finding ways to handle pipe more efficiently and with less damage. With three manufacturing facilities in Mexico operating 24 hours a day, seven days a week, Tubacero is in the business of fabricating, coating and stockpiling carbon steel pipe. To date, Tubacero has purchased two Vacuworx RC 20 and six custom-engineered RC 25 pipe-handling systems with lifting capacities of up to 20 tonne (44,000 lb) to 25 tonne (55,000 lb), respectively. They are used at the company's main pipe mill and storage yard in Salinas Victoria—primarily in conjunction with an overhead crane and wheel loaders. Vacuum lifting technology offered several



benefits that attracted Tubacero's attention. Wireless control from the cab and 360° rotation capability allows more precise placement of pipe without requiring personnel on the ground for guidance. Attachment of the load is easier. In addition, vacuum lifting will not damage bonded coatings. For Tubacero, that has equated to an overall 70 % reduction in damaged pipe lengths.

Michels Canada Expands Headquarters in Nisku, Alberta



Michels Canada recently doubled the size of its headquarters in Nisku, Alberta, to reflect its commitment to serving customers and continuing its growth in Canada. The expansion project transformed Michels' 3,600 ft² office building and 7,500 ft² shop into a two-story structure with 6,900 ft² of office space and a 10,500 ft² shop. The facility was strategically designed to be flexible, collaborative and environmentally efficient. Located near Edmonton, the expanded facility and yard is a convenient hub for Michels' operations throughout Canada.

The U.K. National Grid Awards Humber Pipeline Project Contract to Skanska, PORR and A.Hak JV

The A.Hak, Skanska and PORR joint venture has been awarded a contract by the National Grid to design and build a replacement high pressure gas pipeline within a tunnel, underneath the River Humber from Paull to Goxhill, replacing the existing pipeline which lies on the riverbed and is at risk of being exposed due to tidal patterns. The contract has been let, subject to planning consent for the replacement pipeline from the Planning Inspectorate, which is due in September 2016. The three year project is estimated to cost around £150 million, in which the joint venture will provide full design and construction of the 5km tunnel underneath the River Humber, inserting a single string of 42" steel pipe and

connect into the above ground installations (AGIs) at Paul and Goxhill. It will be 3.63 miles (5.4km) long, of which 3.18 miles (5km) would be tunnelled. The pipeline will be 42" (1050mm) in diameter and will transport natural gas at a pressure of 70barg. The River Humber pipeline is part of the national transmission system – connecting the import terminal at Easington, on the East Yorkshire coast, to the wider network and delivering gas to millions of customers throughout the UK.

PLM Delivers 375+ Machines to Meet the Demand of Major U.S. Projects



In the second quarter of 2016, PipeLine Machinery International (PLM), a global Cat® dealer for the pipeline construction industry, delivered 375+ machines for upcoming 2016-2018 major U.S. projects. PLM provided a complete line of purpose-built pipelayers, custom equipment solutions, innovative carriers and smart load monitoring technologies, to many mainline pipeline contractors. PLM also worked with the local Cat dealer in Saudi Arabia to fulfill equipment needs on projects in that region. These equipment deals are in large part due to the need for quality Tier 4 final machines and PLM's product support system that connects contractors with the local Cat dealer for parts and service where the project is located. With a focus on the pipeline industry, the collaboration between PLM, Caterpillar® and local Cat dealers worldwide provides global coverage from their distribution network and a total solution to the contractor.

E.ON Spins Off Conventional Generation and Energy Trading Businesses into Uniper Technologies

As part of E.ON's spinoff of its conventional generation and energy trading businesses into a distinct company called Uniper, its engineering function is now named

Uniper Technologies (UTG), previously, E.ON Technologies. The provision of services related to energy assets is a core business of Uniper and especially UTG. UTG, based in Germany and the UK, provides outstanding engineering, project management and consulting capabilities. This includes feasibility studies, FEED packages, HAZOP investigations, tender documentations, and site & risk management.



Stephen Roy appointed President Volvo CE Americas Sales Region

Having held senior management positions in Volvo Financial Services and the Volvo Group's North American commercial truck operations, Stephen Roy has

been appointed President, Sales Region Americas at Volvo Construction Equipment (Volvo CE), effective 1 September, 2016. In his new role, Mr. Roy will be responsible for meeting the diverse needs of customers in North America and Latin America, strengthening Volvo CE's market position in the region and boosting profitability. Mr. Roy has held a variety of senior management positions in the Volvo Group's North American commercial truck operations, including President of Mack Trucks and Senior Vice President of Aftermarket and Soft Products. Mr. Roy joined the Volvo Group as Vice President of Business Development at Volvo Financial Services in 2007, following sales positions at Cargill Leasing Corp. and Navistar. Stephen Roy has a MBA degree from Wake Forest University, North Carolina, and a Bachelor of Science and Arts degree in Agricultural Mechanisation Technology from the University of Georgia.

Allseas' "Pioneering Spirit" departs Rotterdam

Crowds of people turned out to watch as the world's largest vessel, Allseas' "Pioneering Spirit", departed Rotterdam on Saturday, 6 August. Allseas' record-breaking single-lift installation/decommissioning and pipelay vessel has been moored in Rotterdam's Alexiahaven since January 2015 for installation, commissioning and testing of the topsides lift system. "Pioneering Spirit" headed to the Southern North Sea to perform offshore trials throughout August, which will include a series of test platform topsides installation and removal exercises under varying weather conditions. After the successful completion of offshore trials, "Pioneering Spirit" is expected to sail north to the Yme field, offshore Norway, to remove the 13,500 t Yme mobile offshore production unit (MOPU) for Repsol. Following

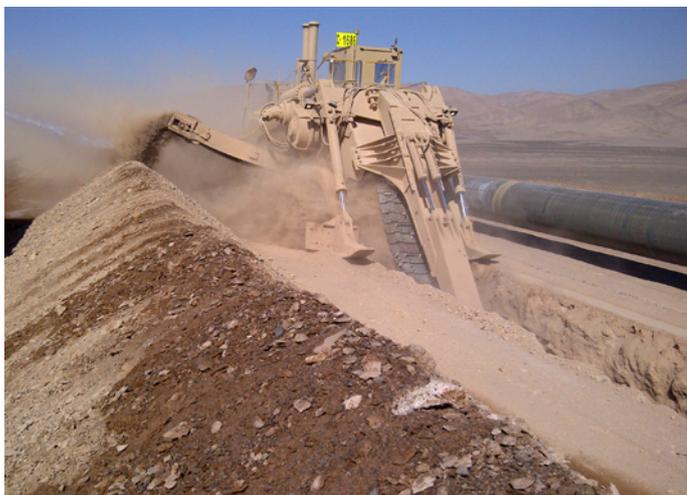
removal of the Yme platform, "Pioneering Spirit" will return to Rotterdam where the remaining four topsides lifting beams will be installed for the Shell Brent Delta topsides removal, scheduled for the summer of 2017.

Salzgitter Group to Deliver 132,000 t of Large-Diameter Pipes for the Zohr Project in Egypt.

The Salzgitter Group is delivering 132,000 t of thick-walled offshore large-diameter pipes measuring 26" (660 mm) in diameter for the development of the Zohr gas field located off Egypt's Mediterranean coastline. The order was booked by Salzgitter Mannesmann International GmbH, a trading subsidiary of the Group. EUROPIPE GmbH, Mülheim an der Ruhr, a joint venture of the Salzgitter Group and AG der Dillinger Hüttenwerke is to produce 227 km of the large-diameter pipes that are scheduled for delivery from March to December 2016. EUROPIPE's shareholders are to supply the input material for manufacturing the large-diameter pipes.

Tesmec: Powerful Trenchers and also Training, Support, and Technical Assistance

Tesmec Group, leader in the engineering, manufacturing, and marketing of large track trenchers, was approached in 2014 because its integrated solutions were needed for a tough water supply project in Chile's Atacama Desert. This project comprises the largest desalination facilities in the Americas and two parallel 42" pipelines of 185 km in length, from 0 up to 3,100 m AMSL. The nature of the project called for an extremely tight schedule; equipment and services were one of the main factors that needed to be delivered in a timely fashion. Tesmec supplied four 1675 chainsaw trenchers, the 1675 being the biggest model produced by the Group. It is equipped with a 760 hp engine that provides enough power for this 145 tons machine to reach a maximum depth of 24" (7.32 m) and a maximum width of 72" (1.83 m). For the last few years, Tesmec's



approach is about providing more than just machines: the Trencher Division provides customised solutions, training, and technical assistance. For this project, Tesmec provided directly onsite a mobile spare parts warehouse, two skilled supervisors to assist in maximising uptime, through daily maintenance in daily contact with the project management to ensure resolution of any outstanding issues.

Volvo CE's New Pipelayer



Volvo's latest E-Series PL4809E pipelayer will be available in the last quarter of 2016. Its unique, 360° upper structure swing capability provides infinite pipe placement possibilities as well as the ability to unload and stack pipe with no movement of the undercarriage and therefore no damage to underfoot conditions. Its new Load Management System adds an extra level of safety, enabling the operator to know the state of the load at all times, up to a 35° slope. It permanently monitors slope inclinations, boom angle, orientation and load to provide an accurate calculation and display of the safe working load (85% of the tipping load). Tipping load has increased to 96 t (212 000 lbs.) or 110 t (242 000 lbs.) with the additional counterweight. The excavator-based design enables conversion from pipelayer to excavator, with no loss in power or performance in either configuration.

Heerema Marine Contractors appoints new Chief Commercial Officer

The Board of Heerema Marine Contractors (HMC) is pleased to announce the appointment of Mr. Harke Jan Meek in the position of Chief Commercial Officer as of June 1, 2016. In this capacity Harke Jan is a member of the HMC Board and is responsible for the commercial and technology departments. Harke Jan joined HMC in 2012 in a commercial and business development role for SURF projects and was appointed as Senior Vice President

Commercial in October 2013. Before joining HMC, he worked in Business Development functions for SBM Offshore and on LNG projects for Shell.

SapuraKencana TL Offshore Sdn Bhd Awarded USD 125.9mil Contract for Trans Anatolian Natural Gas Pipeline in the Turkish Straits.

SapuraKencana TL Offshore Sdn Bhd has been awarded a USD 125.9mil (RM510mil) contract for offshore pipelines and fibre optic cables for the Trans Anatolian Natural Gas Pipeline in the Turkish Straits. The company was awarded

the contract for the engineering, procurement, construction and installation of offshore pipelines and fibre optic cables by Tanap Dogalgaz letim A.S. The contract scope comprises the design and pre-commissioning of offshore pipelines and fibre optic cables works for the installation of two 36 inch offshore pipelines approximately 35km in total length, two 48-core and two 192-core offshore fibre optic cables running parallel to the offshore pipelines, and other associated works relating to the contract. The work location is at the Dardanelles Strait in the Sea of Marmara and the project is scheduled to start in the third quarter of 2016 and end in the third quarter of 2018.

Membership Centre

New Associate Members



Founded in 1996, **Amur Machinery and Services, LLC** is a full line Caterpillar

dealer in the far eastern part of the Russian Federation. Amur Machinery's main business is sales and service of Caterpillar machinery, power systems, providing parts and warranty. The company offers a variety of solutions to the pipeline industry including, but not limited to: Caterpillar pipelayers from 20 up to 90 Mt class, support equipment – medium size and large dozers, medium size and large excavators, graders, backhoe loaders and other support equipment upon request. The dealership service team offers support on site through mobile service camps and on-site parts support.

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AnchorPipe International, Inc., a TorcSill Foundations Company, is the global

leader in helical foundations for pipeline buoyancy control and span supports. With over thirty years of experience in the most challenging environments, AnchorPipe helical foundations are trusted by pipeline owners and operators around the world to secure their critical infrastructure.

In-house research and development, design engineering, manufacturing and installation ensure that AnchorPipe's customers have access to cutting-edge engineered solutions and top consulting talent.

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office@anchorpipe.com

www.anchorpipe.com



For over 50 years **Dyno Nobel** has been an industry leader in the commercial explosives with over 3,000 employees and 32

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T +1 801 328 4800

marketing@am.dynonobel.com

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Founded in 2005, **Luoyang Deping Technology Co., Ltd.**, is a manufacturer of pipeline construction equipment, covering the design and production of internal welding

machines, automatic welding systems, internal pneumatic line-up clamps, pipe facing machines, pay-welders, pipe bending mandrels, roller cradles, flame heaters, external pipe clamps and pipeline construction equipment with sizes from 6 to 80 inches for onshore and offshore projects. Luoyang Deping also provides welding solutions for pipeline projects with specific requirements.

Luoyang Deping Technology Co., Ltd.

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New Corresponding Members



Gasunie is a European gas infrastructure company, which

provides transportation for natural gas and green gas in the Netherlands and the northern part of Germany. A high-grade gas transmission grid is used to transmit the gas to the end user safely and reliably either directly or via third parties. All the activities of Gasunie are geared to facilitating the industrial and domestic gas markets, in the Netherlands, Germany and further afield, offering the highest level of service possible. These services vary from providing gas transport to constructing new infrastructure; and participating in new projects to developing new services. Gasunie has two subsidiaries that manage the gas transmission grid: Gasunie Deutschland in Germany and Gasunie Transport Services (GTS) in the Netherlands.

The company also provides gas storage facilities (EnergyStock), the gas pipeline to the U.K. (BBL) and the LNG Terminal Gate at Maasvlakte. In addition, it facilitates and stimulates the green gas market through its subsidiary Vertogas, which offers certification to producers and traders in green gas.

NV Nederlandse Gasunie

Concourslaan 17
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T +31 50 5212363
B.L.Mollink@gasunie.nl
www.gasunie.nl



GRTgaz owns and operates the longest high-pressure natural gas transmission network in Europe.

It provides assessment and consulting services in the field of gas transmission in Europe and worldwide, and is involved in the management of networks in Germany. GRTgaz performs three main roles:

- The transportation of natural gas on behalf of its customers, ensuring optimum safety, cost and reliability.
- The delivery of gas to recipients directly connected to the transmission network: major industrial users, power plants that use natural gas to produce electricity, public distribution networks and neighbouring transmission networks.
- The expansion of its transmission capacity in order to meet market demand and enhance security of supply for France and Europe.

In addition to its core activities, GRTgaz is an operating partner of TSOs and financial investors for greenfield projects and asset management worldwide.

The company is also involved in the Green Gas Initiative which groups seven independent gas transmission operators, who have committed to achieve a 100% carbon-neutral gas supply in their transport infrastructure by 2050.

GRTgaz

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Saudi Aramco is a fully integrated, global energy and chemicals enterprise and a leader in exploration and production, refining and distribution and the world's top exporter of crude oil and natural gas liquids.

The company manages one of the largest proven conventional crude oil reserves, totaling 261.1 billion barrels and the fourth-largest gas reserves in the world, 297.6 trillion cubic feet. In 2015, Saudi Aramco produced 3.7 billion barrels of crude oil.

Saudi Aramco's downstream operations include participation in a worldwide refining capacity of

5.4 million barrels per day, making it the sixth largest refiner in the world.

Headquartered in Dhahran, Saudi Arabia, Saudi Aramco's operations in the Kingdom include refining, petrochemicals and distributing oil products to meet domestic daily energy demands.

Through its affiliates Saudi Aramco also has joint ventures and subsidiary offices in China, Egypt, Japan, India, The Netherlands, the Republic of Korea, Singapore, the United Arab Emirates, the United Kingdom and the United States.

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Shell is a global group of energy and petrochemical companies, with operations divided into four businesses:

- Upstream- including exploration for new liquids and natural gas reserves
- Integrated Gas and New Energies - focusing on LNG, GTL and new low-carbon opportunities
- Downstream - refined products, petrochemicals and N. American oil sands mining activities
- Projects & Technology - responsible for delivering new development projects and the research and development that leads to innovative and low-cost investments for the future.

Shell Projects & Technology

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Health, Safety and the Environment

2015 IPLOCA HSE Statistics Reports

Inserts in this issue of your Newsletter

Health & Safety Statistics

IPLOCA is committed to the promotion of health and safety in all areas of its influence and subscribes to the philosophy that all accidents are preventable.

All IPLOCA member organisations are encouraged to implement the most efficient health and safety measures applicable to their activities, and that leadership plays a key role for successful occupational health and safety measures.

The number of health & safety submissions received from Regular Members remains at a high level of 96% - therefore providing a good overview of activity in the pipeline industry.

The Chairman of the HSE Committee, Bruno Maerten, stated "I am very concerned that IPLOCA members have reported a substantial increase in the number of fatalities in their 2015 health & safety statistics."

With the intention to continue promoting better H&S performance, the HSE Committee has decided to use a new set of KPI objectives and to adopt long term

objectives for 2020:

- Lagging indicators of ZERO fatalities and TRIR of less than 1
- Leading indicators of a minimum of 30,000 recorded near misses and a training rate of more than 15,000 hours per million hours worked

Environmental Statistics

The response rate for the environmental statistics has increased to 93%. Regular Members should note that as of next year (for the 2016 data) the submission of environmental statistics will become obligatory.

The HSE Committee has not noticed any substantial improvement in the figures collected, with in fact a steady rate of incidents and in particular an increase in waste disposal.

In addition, the rate of environmental training has dropped by a factor of two.

A number of interesting initiatives have been recorded which we recommend members to consider if they can be applied to their own organisation.

We encourage you to read through both the reports and to study in detail what happened last year, to be able to take appropriate action for the future.

Health & Safety Shared Experiences Platform

Early June IPLOCA launched its Health & Safety Shared Experiences platform, a new initiative of the HSE Committee.

This databank aims to build and share an inventory of best practices, lessons learned and safety alerts from the industry to improve safety on pipeline construction sites. The Health & Safety Shared Experiences tool is easily accessible from the IPLOCA home page or with the direct link www.iploca.com/safetyplatform.

Objectives

- ✓ Raise awareness of potential health & safety issues
- ✓ Avoid common mistakes
- ✓ Reduce illnesses, incidents, accidents and injuries
- ✓ Improve early discovery of emerging events and issues
- ✓ Encourage communication and sharing amongst industry players
- ✓ Consider health & safety solutions and best practices
- ✓ Improve safe work processes and productivity
- ✓ Promote innovative initiatives

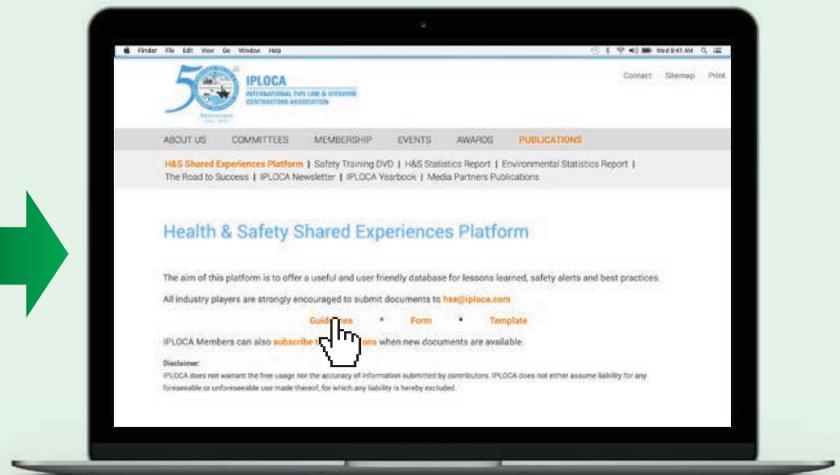
Share Your Experience

Guidelines
Do's and don'ts

Form
Basic information and submission

Template
Sample document for a submission

Notifications
Subscribe to receive updates

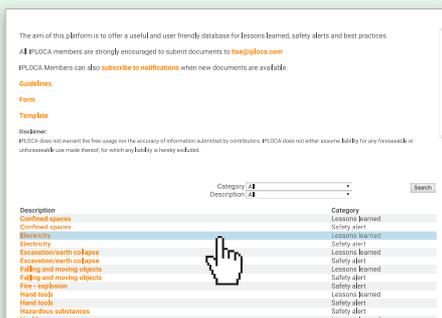


Learn from the Experiences of Others

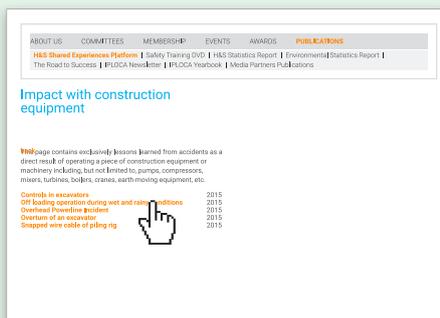
More than 60 documents, namely winning entries of the previous years' Health & Safety Award sponsored by Chevron, as well as reports submitted for health & safety workshops and documents provided by members of the HSE Committee, have already been uploaded and

sorted into 25 different sections. A search tool has been implemented for ease of use. Select a section, review the list of documents in the section and learn from the experiences of others, to help improve your own companies performance.

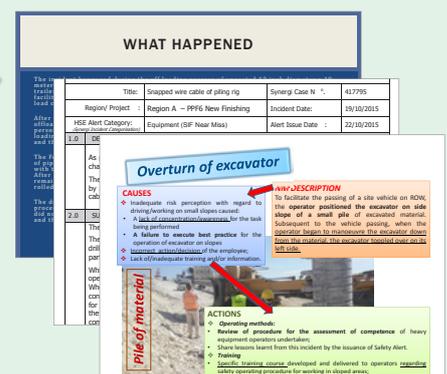
1 Select a section



2 Review the list of documents



3 Learn and promote



Workshop on Safety Assessment Efficiency



IPLOCA organised its 5th Health & Safety workshop on 23 June in Geneva on the topic of safety assessment efficiency and how to better prevent incidents.

Safety is a major concern in the pipeline industry. All companies are implementing safety tool box talks, risks assessments, safety alerts, and many other initiatives aimed at reducing accidents, so why are accidents still happening? How can we prevent them?

Twenty-six attendees gathered for a productive session led by Nicolas Brocherieux from DuPont de Nemours.

They had the opportunity to identify potential initiatives to be implemented in their own companies through group work and shared experiences, including input from Frederic Teitgen of Total. We would like to thank Nicolas for his thought provoking and helpful insight and Frederic for his contribution. Below are examples of feedback received:

"It was very interesting to learn about the level of involvement of DuPont top management and their entire working team in all risk assessment"

"I realised how essential it was to offer driving courses to all employees, and how crucial it is to assess the driver skills/performance"

Presentations made and reports from the group work are available on our website at www.iploca.com/hseworkshop.

New Member of the HSE Committee



Christophe Mansuy, the newest member of the HSE Committee, has been warmly welcomed by committee members.

Christophe, who is director of SPAC Energy Transportation business line, is enthusiastic about his new

role: "You may rest assured that I will spare no efforts to dedicate time, energy and professionalism to my new IPLOCA duties..."

Christophe has a broad experience in the area of safety due to the positions he held in the oil and gas industry with SAIPEM and in offshore shipping whilst at PROMAR. Benoît Chauvin, CEO of SPAC says he is "honoured to have a representative on such a committee"

Improving the Organisation of Health & Safety Workshops

Attendance at this latest Health & Safety Workshop was disappointingly low. Members should note that participation at these annual workshops is a benefit of membership and as such is free of charge.

Given the discouraging results apparent in the 2015 Health & Safety Statistics report, the HSE Committee strongly recommends that more of our members actively participate in IPLOCA health and safety initiatives such as these workshops and the Health & Safety Shared Experiences platform.

To help the HSE Committee constantly improve the organisation of the workshops, we have developed a very short questionnaire made up of 6 multiple-choice questions, which the chairman of the committee, Bruno Maerten, would ask **all to complete online** whether you



have already attended an IPLOCA workshop or not: www.iploca.com/workshopquestionnaire

We thank you in advance for helping us to work towards the long term KPI objectives set by the committee and the Board of Directors.



Paris Convention Update

Worldwide Group Welcome Dinner and CRC-Evans Luncheon

We are pleased to confirm a place has been reserved for all those who have registered to attend the Worldwide Group Welcome Dinner on Monday evening (12 September) and the CRC-Evans Luncheon on Thursday (15 September). There are some places still available at both events and if you would like to participate and have not already registered, please go back into your registration via the link in your confirmation email by clicking on "To Review, change or update your registration", and add the event(s) to your agenda.

If you have any questions, please don't hesitate to contact us at convention@iploca.com.

50th Anniversary Presidents Book

To commemorate our 50th anniversary we have published a book in recognition of the 50 presidents of IPLOCA, which summarises the evolution of our association. It includes



drawings produced for each president, kindly sponsored by CRC-Evans and also lists all the founding members and board directors throughout the years. This book will be delivered to all delegates at the convention in Paris.

Meet and Greet

Please note that there will be no Meet and Greet Service at the airports for the convention in Paris. Delegates can take the Air France shuttle service – called "**Le Bus Direct**" – which



runs to and from Orly and Roissy Charles de Gaulle airports. Tickets can be purchased online at: <http://en.lebusdirect.com>. Full details on how to get to the hotel can be found on pages 24 and 25 of the convention brochure. Should you wish to take a taxi, we advise you to only use the official registered **taxis**. Licensed taxis always have an illuminated sign on the roof and a meter inside. If you are approached by people posing as taxi drivers when you leave the baggage claim area, we recommend you decline any proposal of transportation.

Convention Speakers

We are pleased to confirm the following list of speakers and topics for the Open General Meetings on Thursday and Friday at our 50th anniversary convention in Paris:

Building the Trans Adriatic Pipeline Project - European Leg of the Southern Gas Corridor



Norman Ingram, Project Director,
Trans Adriatic Pipeline AG
www.tap-ag.com

Norman joined TAP in January 2015. A civil engineer by background, Norman spent over two decades with BP holding several executive

management roles, including Project Director and Operations Director in locations such as Turkey, Azerbaijan and Alaska.

Pipeline Mega Projects: Delivering Economic Benefits for Future Generations



Pierre Bechelany, Senior Vice
President, Pipelines and LNG, Fluor
www.fluor.com

Pierre joined Fluor Corporation in 2010 and is in charge of the pipeline and LNG business line. He works very closely with the Regional Presidents

to develop cohesive project execution strategies. His responsibilities also include project operations across the globe for all pipeline and LNG projects.

Operator and Contractor Alliance Use in Pipeline Construction: Case Studies for Success and Failure



Mark Bridgers, Principal,
Continuum Capital
www.continuumcapital.net

Mark is a global consultant and investment banker to the engineering and construction industry and leads a Global Energy Vertical Market team. He

works with global energy firms, pipeline companies, local distribution companies (LDCs) to support the planning, design, and constitution of capital assets worldwide.

Global Economic Conditions with Special Consideration to the Oil & Gas Outlook



Laura Speake, Regional Chief Economist
- Energy & Transportation, Caterpillar
www.caterpillar.com

As Regional Chief Economist since 2014, Laura has covered the energy and transportation sectors. In addition to working with the electric power, oil & gas, industrial and marine business units globally, she is responsible for forecasting global oil and gas prices for Caterpillar.

The Los Ramones Sur Pipeline Project in Mexico - Lessons Learned



Eric Courtalon, Project Technical
Director, GRTgaz
www.grtgaz.com

Since 2014 Eric has been Technical Director for the ENGIE Owner Representative Team for the Los Ramones Sur Pipeline Project. Eric

leads the GRTgaz team which is located in Mexico City.

Business Trends in the International Upstream Sector in the Current Oil Price Environment - 2016 Update



Jonathan Green, Managing Director,
Bonmont Energy Sàrl
jgreen@bonmont-energy.ch

Jonathan is a business development and competitor intelligence professional with a 30+ year career in government advisory, strategy and analysis. He is founding director of Bonmont Energy Sàrl, a Swiss-based advisory service.

Thank You to Our 50th Anniversary Convention Sponsors



TEKFEN CONSTRUCTION



Awards Being Presented at the IPLOCA Convention



IPLOCA Health & Safety Award

Sponsored by Chevron

The 2016 IPLOCA Health & Safety Award sponsored by Chevron recognises initiatives aimed at improving the health and safety in the pipeline industry.

The following entries were received:

Caterpillar & Pipeline Machinery International

- Pipeline Safety Leadership Training Programme

Consolidated Contractors Group S.A.L.

- Eye in the Sky for Safety - use of drones to identify unsafe acts and conditions

Construtora Norberto Odebrecht S.A.

- Management System for the South Peruvian Pipeline Construction
- Emergency Operations Centre

Geocan

- Anchor Mast with fall arrest system

Kalpataru Power Transmission Limited

- Safety Reward Policy

Ledcor Pipeline Limited

- Simple Step Solution for Fueling and Accessing Pipelayers and Dozers

Max Streicher

- Low Jump - High Risk - The Jump Scales Initiative

McConnell Dowell Group Limited

- Fourth Transmission Pipeline Stage 2 Project in Thailand - Lost Time Injury free

Nippon Steel & Sumikin Engineering Co. Ltd.

- H&S training courses and issuance of safety passport

Punj Lloyd Group

- Shah Gas Gathering Project

Saipem

- Life Saving Rules - innovative communication campaign

Serimax

- SafeStart - advanced safety awareness and skills development programme

Shawcor

- A Systematic Approach to Reducing High Risk

SICIM

- Diabetes - development of Toolbox Talk material
- Gas Cylinder Handling
- Holiday Detector Before Lowering-In

Spiecapag Lucas Joint Venture

- Project Safety Map - tracking lead indicator performance against established targets
- Skid Truck



IPLOCA Environmental Award

Sponsored by Shell

The 2016 IPLOCA Environmental Award sponsored by Shell recognises an identifiable step forward that reduces the impact of pipeline construction on the environment.

The achievement should result from activity undertaken in a current project or in a project that has been completed in the last two years.

The following entries were received:

Caterpillar

- CAT Grade Control System on excavators

Consolidated Contractors Group S.A.L.

- Portable Green Technologies - for use in remote areas and portable to new sites

Construtora Norberto Odebrecht S.A.

- Critical Habitats and Ecosystemic Services Assessment

Kalpataru Power Transmission Limited

- Restoration of Land and Conservation of Natural Resources

Nacap Australia Pty Ltd.

- Leading Industry Best Practice in Fauna Management

Saipem

- Trenchless Solution (Raise Boring) for the Chinipas Slope Pipeline Crossing
- Turbidity Monitoring During Trenching Operations by Satellite Images

Seal for Life Industries

- Internal Cylindrical Corrosion Barrier

Spiecapag Lucas Joint Venture

- Front Foot Package - spreading the awareness of fauna management within the project team

Techint Engineering and Construction

- Water Reuse in the Driest Desert of the World

Tekfen Construction & Installation Co., Inc.

- TANAP Project - Working in Ecological Hotspots and Use of an Environmental Management System



IPLOCA Excellence in Project Execution Award

The IPLOCA Excellence in Project Execution Award will be presented for the first time at the Convention in Paris, in recognition of an outstanding project execution in onshore or offshore pipeline, or facilities construction by virtue of:

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

The Committee would like to thank members for the very interesting submissions received:

Applus+ RTD

- Eliminating multiple Automated Ultrasonic Testing (AUT) scanning activities due to pipe wall thickness variations

Arendal

- Ramones II North – including challenges in crossing the Sierra Madre mountains and delivering their section of the pipeline in 15 months

Construtora Norberto Odebrecht S.A.

- Pipe transport using a cable crane tandem on the Gasoducto Sur Peruano (GSP)

Kalpataru Power Transmission Limited

- Vijalpur Dadri Pipeline Project in India – challenging terrain, dealing with bandits and use of AUT and Automatic Welding for the first time

Ledcor Pipeline Limited

- iPad initiative – accurate and quick turnaround for timesheet completion

McConnell Dowell Group Limited

- Fourth Transmission Pipeline Stage 2 – complex, fast-tracked project completed in a challenging, densely populated environment, ahead of demanding one-year schedule, lost time injury free

McConnell Dowell Constructors and Consolidated Contracting Company Australia Joint Venture

- Australia Pacific LNG Pipelines Project – effective collaboration, undertook FEED and EPC, involving multiple stakeholders

Nacap Australia Pty Ltd

- Pipe Drying Technology for Improved Construction Project Execution – for pipeline in humid Gippsland area of Victoria, Australia

Punj Lloyd Group

- Shah Gas Development Project Package 1 in Abu Dhabi – in remote desert area, high temperatures, risk of odourless, colourless gas leakages

Shawcor

- Shah Deniz 2 Gas Project - strong core values and global capabilities in a complex project

Van Oord Offshore bv

- Tetney Sealine Replacement Project – challenges of large tidal differences, no access to the work area from the shore and tight time schedule

New Technologies Committee

Novel Construction Initiative

Fall Session – 26-27 October

Crowne Plaza Hotel Geneva, Switzerland

The mission of the Novel Construction Initiative is to stimulate innovation in the technology and processes required for the execution of pipeline projects by engaging all contributors to the pipeline construction supply chain.

The Fall Session will therefore be the first of Phase V, which will be aimed at elaborating current content of “The Road to Success” as well as producing additional chapters. Should you wish to participate in a work group, please contact the appropriate group leader as mentioned on page 23. In addition to the group work activity, the plenary sessions

are a forum for members and non-members to present their novel products and initiatives with the aim of improving pipeline design and construction. We welcome all proposals, but make a final choice of presenters based on certain criteria. If you are interested in presenting, please submit an outline of the proposed presentation to novel@iploca.com.

Attendance at this meeting is free but registration is required. Please complete the meeting registration form by **Friday, 23 September**.

Further details on this event, including the hotel and registration forms, can be found on www.iploca.com/novelplenarysession. The agenda will be posted there when confirmed.

4th Edition of The Road to Success – Mobile Application

Following significant work done by all the workgroups, we are pleased to announce that the 4th edition of “The Road to Success” will be launched in September, in the form of a mobile application.

This latest edition will include new chapters on health & safety, crossings, coatings, bending and hydrostatic testing & precommissioning, in addition to completely revised chapters on logistics and welding. We would like to sincerely thank everyone who has so enthusiastically participated in this new edition, and in particular the workgroup leaders.



Workgroup	Leader (Company)	Email
Health & Safety	Alain Gauthiez (Spiecapag)	alain.gauthiez@spiecapag.com
Planning & Design	Criss Shipman (G.I.E.)	cshipman@gie.com
Earthworks & Crossings	Paul Andrews (Fluor)	paul.i.andrews@fluor.com
Welding & NDT	Jan Van Der Ent (Applus RTD)	jan.vanderent@applusrtd.com
Future Trends & Innovation	Zuhair Haddad (C.C.C.)	zuhair@ccc.gr
Coatings	Frits Doddema (Seal for Life)	frits.doddema@stopaq.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

Regional Meeting

Parma, Italy

On Thursday, 9 June, close to 70 participants attended a Regional Meeting for Europe Mediterranean, which was hosted by Regular Member, Bonatti S.p.A., represented by Oliviero Corvi, IPLOCA Director for the region.

The programme included a morning of updates on IPLOCA's initiatives and presentations by local industry representatives:

- **TOTAL - Export Pipeline Projects**, François Rafin, CEO Total E&P Italia
- **The Narrows Marine Crossing Challenge, a world track record**, Agostino Napolitano, Saipem
- **Pipeline Operations in South America**, Leonardo Gravina, Sicim
- **A Case Study: “VULCANO” Padding Machine**, Paolo Garbi & Giacomo Baione, Laurini Officine Meccaniche

- **New Technologies & Services for Pipelines: “Experience in Chile”**, Alessandro Castelli, Tesmec

Copies of the presentations are available on the IPLOCA website. The event was followed by an afternoon optional tour of the city.



Pipelines: An Industry for All?

Fewer than 1 in 10 engineers are female. Can IPLOCA play a role in helping to change this?



Sue Sljivic, board director at RSK, an international environmental, engineering and technical & support services consultancy, sets out the challenges facing the pipeline industry in encouraging more women to consider a career in engineering or construction.

Having worked in the energy sector for 30 years and as a board director of RSK, an Associate Member of IPLOCA since 2001, I have seen the pipeline industry develop from being an almost exclusively male arena into a more accepting but still predominantly male-dominated workplace. There is much more that can be done to help women benefit from an exciting career in our industry and, equally, to enable our industry to benefit from having a stronger female presence.

For many years, I have been involved in championing women across all aspects of the construction and engineering industries in the UK. For example, I have judged the Women in Construction and Engineering (WICE) Awards twice and spoken at the 2015 Women in the Built Environment Christmas event and various other industry events on the subjects of women, diversity and recruitment. I also act as a Science, Technology, Engineering and Mathematics Ambassador. I have witnessed the struggle that engineering, particularly the pipeline industry, faces in recruiting women. Only 9% of the engineering workforce in the UK is female (1) and the IPLOCA board is currently 100% male. There is little wonder that our industry is failing to attract women.

At the IPLOCA Convention, it is easy to overlook the under-representation of women because partners are invited, which evens up the male-female ratio. I think this highlights one of the first problems that needs addressing: a woman's current role in the pipeline industry is still, for the most part, as a partner. Ten years ago, there was the assumption that if you were female and attending the convention, you were a 'spouse'. This has been improved significantly; IPLOCA's coloured badges identifying your position (delegate, spouse, first-time attendee, etc.) have been hugely effective in dispelling this myth. However, a change in mindset seems necessary. Maybe the women-only events could be scheduled so they do not clash with the technical sessions. The current

convention programming is perhaps sending out the message that women are non-technical and all men are engineers.

So how can we engage women?

Making engineering or construction an option

I think the first step is to make young people, female and male and from all cultures, aware of the all career options available to them. Professionals such as teachers, doctors, nurses, police officers and lawyers often have the advantages of featuring in people's lives from when they are young and being visible role models. Most young people understand what they do and can at least regard their work as a career option. The engineering and construction industries do not get this automatic consideration. Unless your parents work in these areas, it is unlikely that you are going to consider them.

At the recent WICE Awards judging day, we asked the finalists what their parents did for a living. Almost all of them had a parent who was interested in construction or engineering. Personally, my introduction to the pipeline industry came very early, as two pipelines ran across the farm where I grew up. In wondering whether awareness of the pipeline industry from an early age was a significant means of introduction for those now committed to pipeline careers, I spoke to some of my IPLOCA peers.

Diana Rennkamp of Herrenknecht, a tunnelling systems manufacturer, told me that she had also had an early introduction to industry, as her father was a construction site manager. However, although during weekends he showed his children what he was building, he did not want his daughter to go into engineering as he considered it an unpleasant job for girls. This only encouraged Diana to prove him wrong.



For Loredana Grassi, pipelines have been a part of her life since birth. Her family owns Italian pipeline equipment manufacturer Scaip. Most of them are involved in the business and her two sons have recently joined the team. She said, "Although we do not get many women applying for roles on the shop floor, we do have several female managers and I am a great believer in the benefits of having a mixed leadership team. Women often bring different skills to the table, so it is vital that we promote our industry as an enjoyable place to work for both men and women."

It is important to make more people aware of the wonderful career pipelines and the associated supply chain offer. RSK's 'A day in the life' articles (2) invite members of different teams to write about their daily work routines. They are in layperson's terms, so are useful for anyone unfamiliar with the subject area. Promotions like this could help to raise awareness of the pipeline industry.



An appealing place to work

The next part of attracting more women into the industry is to make it appealing. I think women need to look at engineering from a different angle. Rather than dwelling on its dirty and physical nature, we must encourage women to think about what they can achieve. Rather than dwelling on the fact that you are away from home, look on it as a fantastic opportunity to see the world. Some projects are visible from space: you are literally changing the world and people's lives.

A welcoming and diverse industry

The third and equally important part to recruiting more women is to make the pipeline industry a welcoming and gender-neutral space. At the moment, publicity tends to be male-dominated, which I think influences women. If websites display photos only of male engineers, if newsletters feature articles solely on men, if the senior staff are all men or if the language of a job advert is masculine, women will be put off. Not only does the pipeline industry need promoting, it needs promoting as a diverse place for all.



Action through IPLOCA

There is a lot to think about and a lot that we, as those already enjoying pipeline careers, can do to ensure a more secure, more diverse future for our industry. I would like to propose setting up an "Exciting careers in IPLOCA Members" group that could address how we can get more women and diversity into pipelines. It would not be a group exclusively for women, but an open one for like-minded individuals to discuss common issues and interests. It is equally important for men to recognise the positive effects of getting more women on board. If the pipeline industry can diversify, we will have a greater talent pool to pick from and a broader set of skills at our disposal. And that can only improve all our work and life experiences.

Sue is keen to hear from anyone interested in the group she has proposed. You can contact her by email at ssljivic@rsk.co.uk or by phone on +44 (0)1928 728131 or +44 (0)7718 523504.

- 1) IET UK Skills & Demand in Industry 2015 survey <http://www.theiet.org/factfiles/education/skills2015-page.cfm>
- 2) Refer to <http://www.rsk.co.uk/item/247-life-at-rsk.html>



Elections to IPLOCA Board of Directors

As outlined and explained in the June edition of our Newsletter, elections take place every year at the annual convention. Listed below are the vacant seats for next year's IPLOCA Board of Directors. Election meetings will be held during the convention on Thursday afternoon, 15 September, at Le Méridien Etoile, Paris.

Responsibilities of Board Membership

By running for election to the IPLOCA Board of Directors candidates agree to fully support the organisation and its mission through regular attendance with their spouse at board meetings and active participation in meetings and events, including four board meetings a year that require international travel. Please note that an absence from any two consecutive meetings, or a total of three meetings during the two-year term of the Board membership will result in automatic dismissal from the Board of Directors.

Proxies

Those member companies unable to send a representative to Paris may submit a proxy vote. This must be made on the designated Associate Member Proxy Form or Regular Member Proxy Form found at www.iploca.com/elections. If you are a Regular Member or Associate Member carrying a proxy vote, a copy must be delivered to the Executive

Secretary, in the IPLOCA office at Le Méridien Etoile, three days in advance of the Annual General Meeting (AGM) - by Tuesday, 13 September, in order to be valid. The slate of nominations to the Board of Directors will be presented to the membership for ratification on Friday morning, at the Annual General Meeting.

Regular Members – Geographic Regions

A list of member companies in each Geographic Region and the names of the incumbent or outgoing directors are available at the links below:

East & Far East: www.iploca.com/eastandfareast

Europe Central: www.iploca.com/europecentral

Europe Eastern: www.iploca.com/europeeastern

Europe Mediterranean: www.iploca.com/europemediterranean

Europe Northwest: www.iploca.com/europenorthwest

Middle East & Africa: www.iploca.com/middleeastandafrica

America North: www.iploca.com/americanorth

Latin America: www.iploca.com/latinamerica

Associate Members

A list of Associate Members and the names of the directors representing them can be found on the following link: www.iploca.com/associatemembers

Election Meeting/Voting Schedule (Paris) Thursday, 15 September

Meeting Time / Location	Area	Director	Status at Paris
15:30 - 16:00 Dames room	Europe Central	Jan Koop Mesut Sahin	Treasurer Vacant seat
15:30 - 16:00 Débarcadère room	Europe Eastern	Haldun Iyidil Iosif Panchak	Vacant seat Vacant seat
15:30 - 16:00 Dames room	Europe Mediterranean	Bruno Guy de Chamisso Oliviero Corvi	2 nd year confirmation 2 nd year confirmation
15:30 - 16:00 Fortuny room	Europe Northwest	Andy Ball Adam Wynne Hughes	1 st Vice President 2 nd year confirmation
15:30 - 16:00 Wagram room	Associate Members	Jaya Sinnathurai Doug Fabick Steve Sumner	Vacant seat 2 nd year confirmation Vacant seat
16:00 - 16:30 Dames room	Latin America	Rubén Kuri Ebbo Laenge	Incoming President Vacant seat
16:00 - 16:30 Débarcadère room	Middle East & Africa	Najib Khoury Georges Hage	Vacant seat Vacant seat
16:00 - 16:30 Dames room	East & Far East	Atul Punj Ma Chunqing Vacant	Immediate Past President 2 nd year confirmation Vacant seat
16:00 - 16:30 Débarcadère room	America North	Scot Fluharty Larry Bolander	2 nd year confirmation Vacant seat

IPLOCA Board of Directors

2015-2016



Left to right front row: Jan Koop, Rubén Kuri, Atul Punj, Andrew Ball, Jean Claude Van de Wiele, Juan Arzuaga. **Second row:** Jim Frith, Mesut Sahin, Haldun Iyidil, Georges Hage, Bruno Maerten, Marco Jannuzzi (retired), Ma Chungqing. **Third row:** John Tikkanen, Iosif Panchak, Doug Evans, Adam Wynne Hughes, Wilhelm Maats, Oliviero Corvi. **Fourth row:** Ebbo Laenge, Steve Sumner, Larry Bolander, Scot Fluharty, Doug Fabick, Najib Khoury, Bruno Guy de Chamisso.

Officers

Atul Punj (Punj Lloyd)

President - Director, East & Far East

Rubén Kuri (ARENDAL)

1st Vice President - Director, Latin America

Andrew Ball (J. Murphy & Sons)

2nd Vice President - Director, Europe North-West

Jan Koop (Bohlen & Doyen)

Treasurer - Director, Europe Central

Jean Claude Van de Wiele (Spiecapag)

Immediate Past President

Directors

Haldun Iyidil (Limak Construction Industry and Trade)

Director, Europe Eastern

Iosif Panchak (Stroygazmontazh)

Director, Europe Eastern

Mesut Sahin (Mannesman E&C)

Director, Europe Central

Oliviero Corvi (Bonatti)

Director, Europe Mediterranean

Bruno Guy de Chamisso (Spiecapag)

Director, Europe Mediterranean

Adam Wynne Hughes (Pipeline Induction Heat)

Director, Europe North-West

Larry Bolander (Fluor)

Director, America North

Scot Fluharty (Mears Group)

Director, America North

Ebbo Laenge (Conduto)

Director, Latin America

Georges Hage (The C.A.T. Group)

Director, Middle East & Africa

Najib Khoury (CCC)*

Director, Middle East & Africa

*appointed by the Board of Directors

Ma Chungqing (China Petroleum Pipeline)

Director, East & Far East

Jaya Sinnathurai (Caterpillar)

Director, Associate Members

Steve Sumner (Lincoln Electric)

Director, Associate Members

Doug Fabick (PipeLine Machinery)

Director, Associate Members

Directors-at-Large

Doug Evans (Gulf Interstate Engineering)

Jim Frith (McConnell Dowell)

Wilhelm Maats (Maats Pipeline Equipment)

Bruno Maerten (Entrepose)

John Tikkanen (ShawCor)

Executive Secretary

Juan Arzuaga

2016 IPLOCA Scholarship Recipients

Twenty students, who are children or grandchildren of employees of IPLOCA member companies, were selected by the Scholarship Committee as recipients of the first IPLOCA scholarships. They were awarded USD 4,500 each in May 2016 as a financial contribution to full-time studies at an accredited college, university or vocational school of the student's choice.

The Scholarship Committee was very pleased with the response for this inaugural year: over 220 candidates had applied by the 26 February 2016 deadline, of which 120 met the eligibility requirements. To ensure a broad geographical spread, two scholarships were awarded to students linked to Regular Members in each IPLOCA Geographic Region and four awarded to students linked to Associate Members.

The 2016 recipients are:



Majdi Abdul Samad - American University of Beirut, Lebanon - Electrical/ Computer Engineering - CCC



Allison James - Duke University, Durham, U.S.A. - Chemistry - ISCO Industries



Luis Mondragon - Universidad del Valle de Mexico, Mexico - Engineering - Rosen Group



Joel Andrews - University of Surrey, Guildford, U.K. - Chemical Engineering - Fluor



Ethan Lau - Rice University, Houston, U.S.A. - Psychology - Gulf Interstate Engineering Co.



Rogelio de Jesús Serrano Rodriguez - University La Salle Mexico, Mexico - Environmental Engineering - Techint Engineering & Construction



Ben Connors - Western University, London, Canada - Engineering - Pipesak Incorporated



Florian Madisclaire - EFAP - Ecole des Metiers de la Communication, Paris, France - Marketing Communications - Spiecapag



Pooja Shankar - Barnard College, New York, U.S.A. - Neuroscience & Behaviour - Pipeline Induction Heat



Clementine de la Porte des Vaux - Institution TBC - Medical studies - Spiecapag



Maximilian Maue - Institution TBC, Germany - Rescue Engineering - Rosen Group



Jana Untermahrer - University of Queensland, St. Lucia, Australia - Environmental Management - McConnell Dowell Corporation Ltd.



Ghida Fawaz - American University of Beirut, Lebanon - Mechanical Engineering - The C.A.T. Group



Sarah Miller - Grove City College, U.S.A. - Middle Level Science/History Education - Lincoln Electric Company



Edgar Warnholtz Perez - Claremont McKenna College, Claremont, U.S.A. - Economics & International Relations - ARENDAL



Artem Fedorov - Gubkin University of Oil and Gas, Moscow, Russia - Pipeline Transport Systems - Stroygazmontazh LLC



Kritika Mishra - Vellore Institute of Technology, India - Computer Science and Engineering - Punj Lloyd Limited



Faithful Williams - Oklahoma State University, Stillwater, U.S.A. - Physics and Entomology - CRC-Evans Pipeline International



Ali Kemal Giregiz - Bilkent University, Ankara, Turkey - Mechanical Engineering - Fernas Construction Co.



Zachary Mohr - University of Wisconsin, Stevens Point, U.S.A. - Fisheries - Precision Pipeline LLC

Upcoming Events

2016

Field Joint Coating 2016

5-7 September - Vienna, Austria
www.amiplastics.com/events



50th IPLOCA Annual Convention 12-16 September - Paris, France



Global EPC Project Management Forum

28-30 September - Berlin, Germany
www.opexgrp.com/event-detail

APGA – Australian Pipelines & Gas Association – Convention & Exhibition

8-11 October - Perth, Australia
www.apga.org.au

Black Sea Oil and Gas

20-21 October - Sofia, Bulgaria
www.globuc.com/blackseaoilgas

IPLOCA HSE Committee Meeting

25 October
(HSE Committee Members only)



Offshore Energy

25-26 October - Amsterdam, The Netherlands
offshore-energy.biz

IPLOCA Novel Construction Initiative Fall Session

26-27 October - Geneva, Switzerland
www.iploca.com/novelpenarysession



Risk Management in Underground Construction

14-16 November - Miami, FL, USA
undergroundriskmanagement.com
(Discount available for IPLOCA members)

Pipeline Coating and Protection

15-16 November - Houston, TX, U.S.A.
www.amiplastics.com/events

Pipeline Leadership Conference

15-16 November - Denver, CO, U.S.A.
plconference.com

2017

DCA 56th Convention

6-11 February - Maui, Hawaii, U.S.A.
www.dcaweb.org

Horizontal Directional Drilling Academy

13-14 February - Tempe, AZ, U.S.A.
hddacademy.com
(Discount available for IPLOCA members)

PLCA 69th Annual Conference

14-18 February - Scottsdale, AZ, U.S.A.
www.plca.org

Conexpo – CON/AGG

7-11 March - Las Vegas, NV, U.S.A.
www.conexpoconagg.com

PIG – The Pipeline Industries Guild Dinner

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

Pipeline Opportunities Conference

21 March - Houston, TX, U.S.A.
pipeline-opportunities.com

Pipeline & Energy Expo

(ex-Tulsa Pipeline Expo)
4-6 April - Tulsa, OK, U.S.A.
pipelineenergyexpo.com

Hannover Messe

24-28 April - Hannover, Germany
www.hannovermesse.de

Offshore Technology Conference

1-4 May - Houston, TX, USA
2017.otcnet.org

Pipeline Technology Conference

2-4 May - Berlin, Germany
www.pipeline-conference.com

PLCAC 63rd Annual Convention

14-18 May - Banff, AB, Canada
www.pipeline.ca

Other Important IPLOCA Dates

IPLOCA Board of Directors Elections - Paris

13 September - Deadline for receipt of proxy votes
15 September - Election meetings
www.iploca.com/elections

IPLOCA Annual General Meeting

16 September - Le Méridien Etoile Paris, France

Member News for IPLOCA December Newsletter

15 October - Deadline for submissions
caroline.caravellas@iploca.com

Member News for IPLOCA March Newsletter

15 January - Deadline for submissions
caroline.caravellas@iploca.com

IPLOCA Yearbook

50th Edition

In November 5,000 copies of the Yearbook will be published and distributed globally to the desks and in the field offices of pipeline companies.

This publication is an important source of information about your company, particularly for your clients and prospective clients. Please make sure to send Pedemex the addresses of the persons to whom you wish us to send this 50th edition of the IPLOCA Yearbook.

Advertising

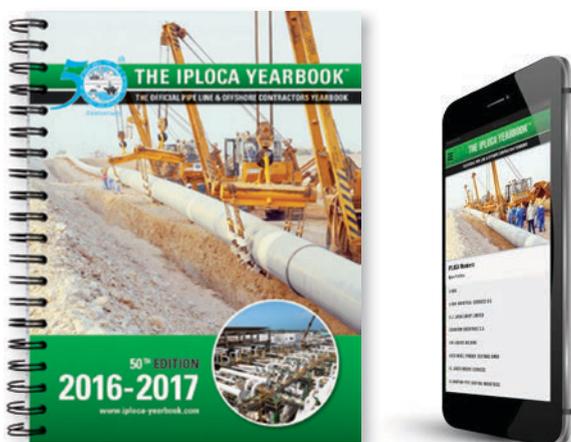
Advertising in the Yearbook is still possible. Rates and specifications can be found at the IPLOCA Yearbook website. To order advertising space please use the order form www.iploca-yearbook.com/advertising or contact Pedemex Publishers at the IPLOCA convention in Paris.

Listing changes

There is also still time to send us any listing changes for this edition: listing@iploca-yearbook.com

Photo gallery

As in previous years we are planning to publish a substantial image gallery in the 50th Edition of IPLOCA Yearbook and we ask your help in supplying us with images of pipeline & offshore construction work, usage of pipeline equipment and other pipeline & offshore contracting related activities. Please send your images in a high resolution format before **30 September** by e-mail to advertising@iploca-yearbook.com. In addition to your company name, please mention the location, name and/or description of the projects.



The IPLOCA Yearbook is available in hardcopy and also available on your mobile phone at mobile.iploca-yearbook.com

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