

# 14<sup>TH</sup> PIPELINE TECHNOLOGY CONFERENCE

18-21 MARCH 2019, ESTREL CONVENTION CENTER, BERLIN, GERMANY



## EVENT GUIDE CONFERENCE & EXHIBITION

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# WELCOME TO THE 14<sup>TH</sup> PIPELINE TECHNOLOGY CONFERENCE

## EUROPE'S LEADING PIPELINE CONFERENCE AND EXHIBITION

- HIGHLY INTERNATIONAL
- CROSS-SECTORAL
- WIDELY SUPPORTED



**800+ PARTICIPANTS**



**100+ SPEAKERS**



**80+ EXHIBITORS**



**50+ DIFFERENT NATIONS**



**DELEGATIONS FROM 70+ DIFFERENT PIPELINE OPERATORS FROM ALL AROUND THE WORLD**



From 18-21 March 2019 Europe's leading conference and exhibition on pipeline systems, the Pipeline Technology Conference, will take place for the 14<sup>th</sup> time.

On 18 March, a new series of ptc side conference and seminars will take place, followed by the opening of the ptc conference and exhibition on 19 March.

ptc 2019 offers again opportunities for operators as well as technology and service providers to exchange latest onshore and offshore technologies and new developments supporting the energy strategies world-wide. More than 800 delegates and 80 exhibitors are expected to participate in the 14<sup>th</sup> ptc in Berlin.

The practical nature of ptc was always based on the cooperation with our technical and scientific supporters and on a top-class international advisory committee. The conference will feature lectures and presentations on all aspects surrounding oil, gas, water and product high, medium and low pressure pipeline systems.

Please take a closer look into this Event Guide and get involved now.

A handwritten signature in black ink, appearing to be 'K. Ritter'.

**Dr. Klaus Ritter**  
**Pipeline Technology Conference Chairman**  
**President of EITEP**

# ADVISORY COMMITTEE

## CHAIRMEN



Heinz Watzka, Senior Advisor, EITEP Institute



Dirk Strack, Technical Director, TAL - Deutsche Transalpine Oelleitung

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Dr. Prodromos Psarropoulos, Structural & Geotechnical Engineer, National Technical University of Athens



Frank Rathlev, Manager of Network Operations, Thyssengas



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Uwe Ringel, Managing Director, ONTRAS Gastransport



Hermann Rosen, President, ROSEN Group



Michael Schad, Head of Sales International, DENSO



Dr. Adrian Schaffranietz, Coordinator Government Relations, Nord Stream 2



Prof. Dr. Jürgen Schmidt, Managing Director, CSE Center of Safety Excellence



Ulrich Schneider, Business Development Manager Continental Europe, KTN



Guntram Schnotz, Expert / Pipeline, TÜV SÜD Industrie Service



Carlo Maria Spinelli, Technology Planner, eni gas & power



Anand Kumar Tewari, Executive Director, Indian Oil Corporation



Asle Venas, Senior Principal Pipeline Specialist, DNV GL



Bernd Vogel, Head of Network Department, GASCADE Gastransport



Roger Vogel, Sales Manager - EURA, Baker Hughes, a GE company



Paul Waanders, Int. Sales Manager, Maats Pipeline Equipment



Tobias Walk, Managing Director, ILF Consulting Engineers



Thomas Wolf, CEO, NDT Global



George Ziborov, Leading expert, Foreign Economic Relations Department, Transneft



Conference Management  
Dennis Fandrich, Director Conferences, EITEP Institute

# PROGRAM OVERVIEW

## MONDAY, 18 MARCH 2019

PTC SIDE CONFERENCE <b>Public Perception</b>	PTC SEMINARS <b>4 Technical Seminars</b>
ptc Reception (for invited speakers, exhibitors, committee members, session chairs and side conference delegates only)	

### PTC CONFERENCE

## TUESDAY, 19 MARCH 2019

Opening / Welcome					
Keynote Speech <b>"Learning from Failures: Moving from 'Failure' Cause to 'Root' Cause"</b>					
Plenary Session <b>"Eurasian Pipeline Forum - Linking East and West"</b>					
Panel Discussion <b>"Digital Transformation and Cyber Security in the Pipeline Industry"</b>					
<b>1.1 Inline Inspection</b>	<b>2.1 Digitalization</b>	<b>3.1 Materials</b>	<b>4.1 Trenchless Technologies</b>	<b>5.1 Coating</b>	<b>6.1 Qualification &amp; Recruitment</b>
ptc Get-together party with raffle within the exhibition					

PTC EXHIBITION

## WEDNESDAY, 20 MARCH 2019

<b>1.2 Inline Inspection</b>	<b>2.2 Pump &amp; Compressor Stations</b>	<b>3.2 Leak Detection</b>	<b>4.2 Environmental Impact</b>	<b>5.2 Coating</b>	<b>6.2 Recruiting &amp; Retaining</b>
<b>1.3 Stress Corrosion Cracking</b>	<b>2.3 Case Study "TAL Pipeline"</b>	<b>3.3 Leak Detection</b>	<b>4.3 Construction</b>	<b>5.3 Corrosion</b>	
<b>1.4 Integrity Management</b>	<b>2.4 Offshore Technologies</b>	<b>3.4 Third Party Impact</b>	<b>4.4 Planning &amp; Design</b>	<b>5.4 Valves &amp; Fittings</b>	
<b>1.5 Integrity Management</b>	<b>2.5 Offshore Technologies</b>	<b>3.5 Illegal Tapping</b>	<b>4.5 Planning &amp; Design</b>	<b>5.5 Maintenance &amp; Repair</b>	
ptc Dinner Invitation "Classic Remise Berlin: A center for vintage cars" (separate registration required)					

PTC EXHIBITION

## THURSDAY, 21 MARCH 2019

Plenary Session <b>"Pipelines 2050: From Fossil Fuels to Renewable Fuels?"</b>					
Panel Discussion <b>"Illegal Tapping - Focus Regions, Monitoring and Counter Measures"</b>					
Closing Remarks					

PTC EXHIBITION

PTC WORKSHOPS (free access for all delegates)	PTC ROUND TABLES (free access / for pipeline operators only)
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## MONDAY, 18 MARCH 2019

09:30-10:30 Registration (Foyer Room 2)

10:30-11:00 Opening (Room 2)

"Welcome", **Dr. Klaus Ritter**, EITEP Institute, Germany

11:00-12:30 Situation & Examples (Room 2)

Current projects' work presented.

Session Chair: Prof. Dr. Marcus Mattis, multi-utility consulting, Germany

"Introduction", **Bernd Vogel**, GASCADE Gastransport, Germany

"Facing growing opposition to large-scale projects", **Prof. Dr. Marcus Mattis**, multi-utility consulting, Germany

"Public Perception in Gas Transmission Pipeline Projects - ZEELINK", **Dr. Jochen Stratmann**, Open Grid Europe, Germany

12:30-13:30 Lunch Break (Foyer Room 2)

13:30-15:30 Insights (Room 2)

The individual perspectives of the stakeholders

Session Chair: Daniel Hitschfeld, navos - Public Dialogue Consultants, Germany

"Between a rock and a hard place: Transmission system operators in the context of legal obligation and public perception. The case of SuedLink", **Thomas Wagner**, TenneT ISO, Germany

"Participation in Denmark. Can Germany learn from its Neighbour?", (Project: *The Fehmarn Belt Tunnel between Germany and Denmark*), **Stephan Siegert**, Fehmarn A/S, Denmark

"How is the industry viewed around the world?", **Cliff Johnson**, PRCI, United States

"The impact of dread on the value of reducing fatal risks", **Susan Chilton**, Newcastle University, United Kingdom

15:30-16:00 Coffee Break (Foyer Room 2)

16:00-18:00 Measures (Room 2)

Methods to address the public

Session Chair: tba

"Key factors for successful communication of infrastructure projects - and their impact on strategy and tools", **Daniel Hitschfeld**, navos - Public Dialogue Consultants, Germany

"Participation as a persistent expectation in a post-modern society: How public communication gains public acceptance", **Prof. Dr. Felix Krebber**, University of Pforzheim, Germany

"Early Public Participation during Project Development - Key Challenges and Digital Opportunities", **Christian Möller**, Arcadis, Germany

from 18:30: ptc Reception (with exhibitors, speakers, members of the ptc Advisory Committee)

## TUESDAY, 19 MARCH 2019

All participants are invited to take part for free in the first half day the ptc Conference & Exhibition on Tuesday, 19 March 2019 (09:00 - 13:30):

- Opening / Welcome
- Keynote speech "Learning from Failures: moving from 'failure' cause to 'root' cause"
- Opening Plenary Session "Eurasian Pipeline Forum - Linking East and West"
- Lunch Break
- Access to the ptc exhibition



# PTC CONFERENCE



TUESDAY, 19 MARCH 2019

08:00-09:00 Registration (Foyer 4)

09:00-09:30 Opening (Hall Europe)



Welcome

**Dr. Klaus Ritter**, President, EITEP Institute, Germany  
**Dennis Fandrich**, Director Conferences, EITEP Institute, Germany

09:30-10:00 Keynote Speech (Hall Europe)



"Learning from Failures: Moving from 'Failure' Cause to 'Root' Cause"

**Dr. Phil Hopkins**, Independent Consultant, Phil Hopkins Ltd., United Kingdom

10:00-12:00 Plenary Session "Eurasian Pipeline Forum - Linking East and West" (Hall Europe)

*There is a long tradition of energy cooperation between Europe and Asia. For decades, Russia has been a reliable partner for the supply of crude oil and natural gas. A number of other initiatives are currently being developed. Keywords: Europe, Russia, Central Asia, Turkey*



Session Chair

**Heinz Watzka**, Senior Advisor, EITEP Institute, Germany



"The Trans Anatolian Pipeline (TANAP) through Turkey – Construction of a 1,850 km pipeline under challenging climatic and topographical conditions"

**Polad Rustamov**, Project Director, TANAP, Turkey



"TurkStream: Design and Construction of Ultra-deepwater Gas Pipelines in the Black Sea"


**Sander van Rootselaar**, Spokesperson, TurkStream, Netherlands  
**Jay Chaudhuri**, Offshore Project Manager, TurkStream, Netherlands



"Nord Stream 2 : Enhancing European Energy Security"

**Ulrich Lissek**, Spokesperson, Nord Stream 2, Switzerland

12:00-13:30 Lunch Break in the Exhibition Hall

 + Scientific Advances Poster Session  
(13:00-13:30)

13:30-15:00 Panel Discussion: "Digital Transformation and Cyber Security in the Pipeline Industry" (Hall Europe)

As the energy industry is already preparing for a consistent digital transformation, another big development for improving the integrity of the systems by big data analytics will be expected. Furthermore, as manufacturers and service providers will make use of IoT tools and products, the energy industry as a critical infrastructure must also gradually improve cyber security and relevant mechanism and processes. Keywords: Digitalization, Industry 4.0, IoT, AI, Critical Infrastructure, Cyber Security, Big Data Analytics



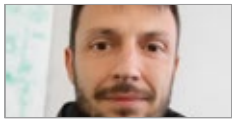
Session Chair  
**Ralf Werner**, CIO / CDO, Open Grid Europe, Germany



Panelist  
**Martin Apel**, Head of Division, BSI - Federal Office for Information Security, Germany



Panelist  
**Kaare Helle**, Digital Innovation Manager, DNV GL, Norway



Panelist  
**Pierluigi Meloni**, Engineering Manager for Industrial Control Systems, Baker Hughes, a GE Company, Italy



Panelist  
**Ralf Werner**, CIO / CDO, Open Grid Europe, Germany

15:00-15:30 Coffee Break in the Exhibition Hall

Session Chair: Ulrich Schneider, Business Development Manager Continental Europe, KTN, Norway

Session Chair: Klaus-Peter Gießler, Pipeline Technology Consultant, Germany

Session Chair: Dr. Marion Erdelen-Pepler, Secretary General, EPRG - European Pipeline Research Group, Germany

Session Chair: Diana Rennkamp, Sales Engineer Pipeline, Herrenknecht AG, Germany

Session Chair: Michael Schad, Director Sales Pipelines International, DENSO, Germany

Session Chair: Dr. Horstgünter Schulz, Pipeline Consulting, Germany

15:30-17:30 (Hall Europe)  
Session 1.1  
Inline Inspection

15:30-17:30 (Room 2)  
Session 2.1  
Digitalization

15:30-17:30 (Room 3)  
Session 3.1  
Materials

15:30-17:30 (Room 4)  
Session 4.1  
Trenchless Technologies

15:30-17:30 (Room 5)  
Session 5.1  
Coating

15:30-17:30 (Foyer 4)  
Session 6.1  
Qualification & Recruitment

"Case Study: Inspection of an oxygen pipeline in Germany using Magnetic Flux Leakage (MFL) during a refinery shutdown"  
**Jochen Ahlers**, Senior Project Manager, Baker Hughes, a GE company, Germany

"Using Analytics to Leverage Data in the Midstream Pipeline Industry"  
**Jacques van Dijk**, Director, Industry Solution Validation, AVEVA, Canada

"The Effect of Residual Longitudinal Compressive Stress in Onshore Buried Steel Pipelines"  
**Vaughan Pryce-jenkins**, Pipeline Specialist Engineer, INTECSEA (UK) Ltd, United Kingdom

"Crossing with Care - Major HDD crossings on the TAP project"  
**Denis Pellerin**, CEO, HDI Entrepote, France

"It is all about the roughness"  
**Dinko Cudic**, Owner, Lufisi d.o.o. - corrosion prevention consultancy, Croatia

"The Importance of Competence in the Pipeline Industry"  
**Dr. Phil Hopkins**, Independent Consultant, Phil Hopkins Ltd., United Kingdom

"Pinhole Detection with Ultra-High-Resolution Axial Magnetic Flux Leakage (MFL-A Ultra) Technology - How the most recent MFL innovation revolutionizes the detection capabilities for previously undetectable threats"  
**Johannes Spille**, International Project Manager, ROSEN Germany GmbH, Germany

"Pipeline Operational Integrity, Management & Compliance in the age of IIOT"  
**Stephen Hill**, Sales Leader, Honeywell, United Kingdom

"Investigation of the mechanical properties of single-pass hybrid laser-arc welded thick X120 pipeline steel plates"  
**Ömer Üstündag**, Research Assistant, Fraunhofer Institute for Production Systems and Design Technology, Germany

"Where offshore meets onshore: Trenchless solutions for pipeline landfalls"  
**Michael Lubberger**, Head of Pipeline Division, Herrenknecht AG, Germany

"The mechanism of disbanded coatings and associated corrosion risks"  
**Dr Ashokanand Vimalanandan**, Project Engineer, Open Grid Europe GmbH, Germany

"DVGW TSM, G1000 Regulation's Impact on Qualification and Development using the example of ONTRAS"  
**Peggy Zeppel**, Head of Central Services, ONTRAS Gastransport, Germany

"Depth of Cover, is my pipeline at risk?"  
**Hans Overdijkink**, Sales Manager DMC1, Intero Integrity B.V., Netherlands

"Use of Fiber Optic Technology in Monitoring Steel Sleeves and Composite Wrap Reinforcements"  
**Alan Turner**, Senior Concept Developer, Lloyd's Register, United States

"Pigging Sealing Disc Failure Analysis"  
**Khajornkai Kitisiri**, Engineer, PTT public company limited, Thailand

"Construction of a high-pressure gas pipeline PN 25 by means of trenchless technologies in the Czech Republic"  
**Robert Goletz**, Technical Director, Raedlinger primus line GmbH, Germany  
**Frantisek Humhal**, Technical product manager, GridServices, Czech Republic

"Field Applied Coatings: Interaction With Cathodic Protection"  
**Luc Perrad**, Consultant, Expatech - Polyguard, Belgium

"How Customized Pipeline Education Can Secure the profound Development of Knowledge of Young Professionals"  
**Cindy Dirx**, Chair, Pipeliner Foundation, The Netherlands

"The Next Level of Reliability And Accuracy in Crack Detection"  
**Dr Thomas Hennig**, Global Manager Product Management, NDT Global, Ireland

"Digital solutions for gas turbines: the case for Dry Low Emissions Combustion System Auto-mapping for unmanned operations of LM2500s"  
**Giovanni Tonno**, Consulting Engineer - Controls, BHGE, Italy

"Defect Tolerance of the Bond Line of Electric Welded Pipe - Test Data and Fracture Mechanics Assessments"  
**Neil Gallon**, Principal Materials and Welding Engineer, Rosen Group, United Kingdom

"Mitigating Damage On Inaccessible Pipeline Installations"  
**Krzysztof Kaczmarczyk**, Regional manager Eastern Europe & Central Asia, ClockSpring|NRI, Poland

"Effectiveness of cathodic protection under disbanded coatings: On the implications of shielding conditions on the integrity of pipelines"  
**Dr Markus Buechler**, CEO, Swiss Society for Corrosion Protection, Switzerland

★ 17:30-19:30 Get-together in the Exhibition Hall



<p>Session Chair: Michael Beller, Head of Global Market Strategy Asset Care, ROSEN Group, Germany</p>	<p>Session Chair: Andrea Intieri, Marketing and Pricing Director, Pipeline and Gas Processing, Baker Hughes, a GE company, Italy</p>	<p>Session Chair: Dr Axel Scherello, Service Management, Open Grid Europe GmbH, Germany</p>	<p>Session Chair: Dr Andreas Antoniou, Geotechnical Engineer, National Technical University of Athens, Greece</p>	<p>Session Chair: Michael Schad, Director Sales Pipelines International, DENSO, Germany</p>	<p>Session Chair: Cindy Dirkx, Chair, Pipeliner Foundation, The Netherlands</p>
<p>09:00-10:15 (Hall Europe)</p>	<p>09:00-10:15 (Room 2)</p>	<p>09:00-10:15 (Room 3)</p>	<p>09:00-10:15 (Room 4)</p>	<p>09:00-10:15 (Room 5)</p>	<p>09:00-10:15 (Foyer 4)</p>
<p>Session 1.2 Inline Inspection</p>	<p>Session 2.2 Pump &amp; Compressor Stations</p>	<p>Session 3.2 Leak Detection</p>	<p>Session 4.2 Environmental Impact</p>	<p>Session 5.2 Coating</p>	<p>Session 6.2 Recruiting &amp; Retaining</p>
<p>"High-resolution in-line inspection of internally coated brine water pipelines" <b>Christoph Sur</b>, Sales &amp; Operations Manager, 3P Services GmbH &amp; Co. KG, Germany <b>Basil Hostage</b>, Business Development, 3P Services GmbH &amp; Co. KG, Germany</p> <p>"The Art of Looking: An In-Line Inspection Perspective" <b>Dr Mike Kirkwood</b>, Director Pipeline Integrity Engineering, T.D. Williamson, United Arab Emirates</p> <p>"A New In-Line Inspection Tool for the Combined Crack, Metal Loss and Dent Detection: First Results and benefits" <b>Stephane Benichou</b>, Development Analysis Manager, TRAPIL, France</p>	<p>"Pumping smarter via analytics and artificial intelligence" <b>Corie Allemand</b>, Director Pipeline Solutions Americas, Siemens Industry Inc., United States</p> <p>"Co-creation between pipeline operator and machinery OEM in the development of a modern gas turbine" <b>Dr Antonio Asti</b>, Senior Systems Engineer, BHGE, Italy</p> <p>"Solid Oxide Fuel Cells as an Economic Approach for Continuous Power Supply in Off-Grid Applications" <b>Markus Muench</b>, Senior Product Manager Fuel Cells, Sunfire GmbH, Germany</p>	<p>"Pipeline Leak Detection Technologies and Selection Criteria" <b>Mowaffak Midani</b>, Director of Engineering, Pipeline Technologies &amp; Services LLC (PipeTech), Saudi Arabia <b>Dr Martin Liu</b>, Head of Pipeline Engineering, PSI Software AG, Germany</p> <p>"Identification of Ground Heave Associated with Pipeline Leaks Utilising Optical Fibre Based Distributed Acoustic Sensing" <b>Dr Peter Hayward</b>, Technology Officer, Fotech Solutions Ltd, United Kingdom</p> <p>"Field Trial of Distributed Fiber-Optic Sensing for Pipeline Leak Detection" <b>Shane Siebenaler</b>, Director, Fluids Engineering, Southwest Research Institute, United States</p>	<p>"A multilevel approach to seismic design of gas transportation pipeline" <b>Dr. Vincenzo Nisii</b>, Geohazard Engineer, SAIPEM, Italy</p> <p>"Soil liquefaction and lateral spreading: Serious threats for on-shore, nearshore and offshore pipelines" <b>Dr Andreas Antoniou</b>, Geotechnical Engineer, National Technical University of Athens, Greece</p> <p>"Intelligent a.c. mitigation device VCSD, that minimize the negative effects of electromagnetic interferences on pipelines, especially in terms of personal protection." <b>Tobias Braun</b>, Business Development Manager, DEHN + SOEHNE GmbH + Co.KG., Germany</p>	<p>"Re-coating of oldest pipeline @Bolivia GSCY (24" x 540 km)" <b>Jaime Portugal Zeballos</b>, PROJECT ENGINEER, YPFB TRANSPORTE S.A., Bolivia</p> <p>"Coatings removal by Induction- A new approved method for use on pipes and active pipelines" <b>Hans Petter Engejor-det</b>, Sales &amp; Marketing Director, RPR Technologies AS, Norway</p> <p>"Engineered Insulation Solution for Molten Sulphur Transfer System" <b>Patrizio Sala</b>, Technical Solutions Manager, Shawcor, Italy</p>	<p>"The German Gas and Water Association's Approach to Attract Students" <b>Stephan Tolkmitt</b>, Head of Member Support and Services, DVGW, Germany</p> <p>"Don't just be in the industry, be a part of it" <b>Danny Molyneux</b>, Chairman, Young Pipeline Professionals Europe (YPPE), United Kingdom</p> <p>"Understanding young professionals now, for a better future in Pipeline" <b>James Leigh</b>, Pipeline Recruitment Director, ABN Resource, United Kingdom</p>

10:15-11:15 Coffee Break in the Exhibition Hall

<p>Session Chair: Dr Mike Kirkwood, Director Pipeline Integrity Engineering, T.D. Williamson, United Arab Emirates</p>	<p>Session Chair: Dirk Strack, Technical Director, TAL - Deutsche Transalpine Oelleitung, Germany</p>	<p>Session Chair: Dr Axel Scherello, Service Management, Open Grid Europe GmbH, Germany</p>	<p>Session Chair: Bruno Pomaré, Technical Director, Spiecapag, France</p>	<p>Session Chair: Prodromos Psaropoulos, Senior Research &amp; Teaching Associate, National Technical University of Athens, Greece</p>
<p>11:15-12:30 (Hall Europe)</p>	<p>11:15-12:30 (Room 2)</p>	<p>11:15-12:30 (Room 3)</p>	<p>11:15-12:30 (Room 4)</p>	<p>11:15-12:30 (Room 5)</p>
<p>Session 1.3 Stress Corrosion Cracking</p>	<p>Session 2.3 Case Study "Transalpine Pipeline"</p>	<p>Session 3.3 Leak Detection</p>	<p>Session 4.3 Construction</p>	<p>Session 5.3 Corrosion</p>
<p>"An innovative pipeline integrity management approach for the SCC threat" <b>Audrey Guion</b>, Head of Inspection Team, TRAPIL, France</p> <p>"A Multi-level Assessment on Stress Corrosion Cracking Susceptibility" <b>Ricardo Almandoz</b>, Pipeline Engineer, Rosen Group, Germany</p> <p>"Regularities of pipelines stress corrosion cracking" <b>Dr Ilya Ryakhovskikh</b>, Head of the Laboratory for Stress Corrosion Cracking Studies, Gazprom VNIIGAZ, LLC, Russian Federation <b>Dr Roman Bogdanov</b>, Vice Head of the Laboratory for Stress Corrosion Cracking Studies, Gazprom VNIIGAZ, LLC, Russian Federation</p>	<p>"Energy Recovery Station at Transalpine Pipeline (TAL): From a Vision to an innovative Crude Oil Pipeline Power Plant (Design - Construction - Operation)" <b>Markus Mühlmann</b>, Project Manager, TAL- Transalpine Pipeline, Austria <b>Markus Klingenschmid</b>, Project Manager, ILF Consulting Engineers, Austria <b>Dietmar Lehner</b>, Project Manager, Global Hydro, Austria</p>	<p>"Field experimental research on application of strain special optical cable and parallel optical cable" <b>Shi Ning</b>, Engineer, Petrochina Pipeline Company, China</p> <p>"Improving Pipeline Leak Detection Capabilities of Distributed Temperature Sensing (DTS) Using Artificial Intelligence" <b>Heath Spidle</b>, Engineer, Southwest Research Institute, United States</p> <p>"Novel Oil Leak Detection Monitoring System for Above Ground Pipeline" <b>Dr Steve Edmondson</b>, Chief Science Officer, Direct-C, Canada</p>	<p>"The Digital Pipeline Project - Successfully Instituting a Digital Quality Management System on the TANAP Project" <b>Fatih Erdem</b>, QHSSE Director, TANAP Natural Gas Transmission Company, Turkey <b>Abhay Chand</b>, CEO, Petro IT, United States</p> <p>"Advanced Onshore Pipeline Anchoring Optimisation" <b>Adham Ghali</b>, Pipeline Specialist Engineer, INTECSEA (UK) Ltd, United Kingdom</p> <p>"Early Estimation of Earthworks in Onshore Pipeline Projects" <b>Dr Matteo Alesi</b>, Geomatics Engineer, SAIPEM, Italy</p>	<p>"Internal corrosions in oil and gas transport pipelines" <b>Mina Khoda Karami</b>, DNV GL, Germany</p> <p>"Quantitative estimation of MIC corrosion processes by electrochemical techniques and MIC modelling" <b>Jelmer Bekius</b>, Business Developer, Microbial Analysis BV, Netherlands</p> <p>"Risk Based Inspection of Khurais Fields' Flowlines" <b>Abdulla Hammraa</b>, Operation Engineer, Saudi Aramco, Saudi Arabia</p>

12:30-14:00 Lunch Break in the Exhibition Hall

+ Scientific Advances Poster Session (13:30-14:00)

<p>Session Chair: Ulrich Adriany, Senior Technical Expert, ARCADIS Deutschland, Germany</p>	<p>Session Chair: Asle Venas, Senior Principal Pipeline Specialist, DNV GL, Norway</p>	<p>Session Chair: Jens Focke, CEO, BIL - Federal German Construction Enquiry Portal, Germany</p>	<p>Session Chair: Dr. Horstgünter Schulz, Pipeline Consulting, Germany</p>	<p>Session Chair: Klaus-Peter Gießler, Pipeline Technology Consultant, Germany</p>
14:00-15:15 (Hall Europe)	14:00-15:15 (Room 2)	14:00-15:15 (Room 3)	14:00-15:15 (Room 4)	14:00-15:15 (Room 5)
<p>Session 1.4 Integrity Management</p> <p>"Life Cycle Extension Strategies"  <b>Alberto Montoya</b>, Integrity Mechanical, Reliability an Risk Coordinator, PEMEX, Mexico  <b>Alejandro Rincon</b>, Operational Coordinator, PEMEX, Mexico</p> <p>"Achieve Optimum Benefits from Field Verifications through Successful Operator"  <b>Sayan Pipatpan</b>, Global Manager Field Verification, NDT Global, Germany</p> <p>"Improving pipeline integrity assessments using optimised probabilistic acceleration techniques."  <b>Aidan Charlton</b>, Integrity Engineer, Penspen, United Kingdom</p>	<p>Session 2.4 Offshore Technologies</p> <p>"Free Spans in the Digital Age – Experience with Digitalization of Free Span Assessments"  <b>Asle Venas</b>, Senior Principal Pipeline Specialist, DNV GL, Norway</p> <p>"Fatigue damage analysis for scouring induced free spans: the Blue Stream case"  <b>Furio Marchesani</b>, Sealine Design, SAIPEM, Italy</p> <p>"Offshore earthquake-related geohazards and route optimization of offshore pipelines, risers, and cables"  <b>Prodromos Psarropoulos</b>, Senior Research &amp; Teaching Associate, National Technical University of Athens, Greece</p>	<p>Session 3.4 Third Party Impact</p> <p>"PipeMon+® – "real-time" pipeline monitoring for third party interference detection and accident prevention"  <b>Dr Axel Scherello</b>, Service Management, Open Grid Europe GmbH, Germany</p> <p>"A Brazilian Pipeline Incident Database - The Petrobras and Transpetro Initiative"  <b>Douglas Alves</b>, Process Engineer, Petrobras, Brazil</p> <p>"Using the latest ILI technologies to identify Pipeline Pilferage"  <b>Andrea Bologna</b>, CEO, TECMA, Srl, Italy</p>	<p>Session 4.4 Planning &amp; Design</p> <p>"Simulation of gas crises with hydraulic models"  <b>Dr Hugo Calisto</b>, Research Fellow, European Commission, DG JRC, Directorate (C) Energy, Transport and Climate, Netherlands</p> <p>"Quality process digitalization of pipeline construction"  <b>Léna Muscillo</b>, C.E.O, LogIC, France</p> <p>"The Process Engineer's Automated Workplace software as a tool for planning and monitoring energy efficiency of oil and petroleum products transportation"  <b>Andrey V. Kudritsky</b>, Deputy Head of the Department for Technological Calculations and Simulation of Trunk Pipelines Operation, The Pipeline Transport Institute, Russia</p>	<p>Session 5.4 Valves &amp; Fittings</p> <p>"Behind Closed Doors; Pipeline Closures Revisited"  <b>Alan Morton</b>, Director, Product Development, TD Williamson, United States</p> <p>"Scraper Door Integrity &amp; Operations; A case study of maintaining integrity of doors"  <b>Khaled Al-Odaib</b>, Piping &amp; Valves Engineer, Saudi Aramco, Saudi Arabia</p>

15:15-15:45 Coffee Break in the Exhibition Hall

<p>Session Chair: Thomas Wolf, CEO, NDT Global, Germany</p>	<p>Session Chair: Steffen Paeper, Offshore Engineering, South Stream Transport, Netherlands</p>	<p>Session Chair: Asle Venas, Senior Principal Pipeline Specialist, DNV GL, Norway</p>	<p>Session Chair: Klaus-Peter Gießler, Pipeline Technology Consultant, Germany</p>	<p>Session Chair: Dave Norton, Senior Advisor, Hawk Consultants LLC, United States</p>
15:45-17:30 (Hall Europe)	15:45-17:30 (Room 2)	15:45-17:30 (Room 3)	15:45-17:30 (Room 4)	15:45-17:30 (Room 5)
<p>Session 1.5 Integrity Management</p> <p>"Pipeline operator and integrated ILI provider. Unique case study. A new look from inside to pipeline integrity issues and ILI practices for high reliable pipeline networks"  <b>Alexey V. Khutoretsky</b>, Deputy Head of Foreign Sales Section / Directorate of Foreign Economic Projects, Transneft Diascan JSC, Russia</p> <p>"A Case Study How Reduced Uncertainties of Latest Generation of Ultrasonic Crack Detection ILI Technology Benefit Engineering Criticality Assessments"  <b>Stephan Tappert</b>, Product Manager, Baker Hughes, a GE company, Germany</p> <p>"Improvement of Project Risk Management - Evaluation and optimization of a project risk management system for major midstream oil &amp; gas projects"  <b>Tobias Baier</b>, Project Manager, ILF Consulting Engineers, Germany</p> <p>"Pathfinder - A new direction in pipeline proving and operational pigging performance management"  <b>David Cockfield</b>, Technical Support and Business Development Manager, Reinhart Hydrocleaning SA/Pipeline Innovations Limited, Switzerland</p>	<p>Session 2.5 Offshore Technologies</p> <p>"Brent Bypass Phase 1 Project - The success story so far"  <b>Dr Cliff Ho</b>, Senior Pipeline Engineer, Shell UK Limited, United Kingdom</p> <p>"Engineering assessment of flexible pipes using ILI data"  <b>Andrew Burton</b>, Principal Engineer, ROSEN, United Kingdom</p> <p>"Case studies for intelligent pigging of 'unpiggable' offshore pipelines"  <b>Edwin Rosier</b>, Global Sales Manager, Intero Integrity Services, Netherlands</p> <p>"Zap-Lok - A Mechanical Interference Connection Technology to Overcome Today's Pipeline Installation Challenges"  <b>Ben Chapman</b>, Director - Eastern Hemisphere, Tuboscope   NOV Wellbore Technologies, France</p>	<p>Session 3.5 Illegal Tapping</p> <p>"Vandalism and Illegal Tapping of Oil Pipelines - A Global Challenge"  <b>Asle Venas</b>, Senior Principal Pipeline Specialist, DNV GL, Norway</p> <p>"Anticipating bunkering events: notable cases evidence using Vibroacoustic Leak Detection Technology to detect precursors."  <b>Marco Marino</b>, Business Development Manager, SolAres / Aresys, Italy</p> <p>"Illegal hot taping - a case study on how to detect and locate product theft"  <b>Rene Landstorfer</b>, Operations Manager, GOTTSBERG Leak Detection GmbH &amp; Co. KG, Germany</p> <p>"Product Theft Detection and Localization on Pipelines using Theft Pattern Recognition"  <b>Daniel Vogt</b>, Head of Sales, KROHNE, Germany</p>	<p>Session 4.5 Planning &amp; Design</p> <p>"Skin Effect Heat Management System (SEHMS) For Waxy Crude &amp; High Temperature Pipelines"  <b>Ashish Gupta</b>, General Manager Pipeline Operations, Cairn Oil &amp; Gas Vedanta Limited, India</p> <p>"Current View of Design and Evaluation of Sulfur Pipelines"  <b>Dr Kai Bauerbach</b>, Senior Discipline Engineer, Consulting/Techn. Calculations, MMEC Mannesmann GmbH, Germany</p> <p>"Investigation of the influence on the heat transferred from a pipeline to the ground due to the presence of adjacent pipelines using Finite Element Method"  <b>Dr Chuan Cheng</b>, Senior Process Engineer, ILF Consulting Engineers, Germany</p> <p>"River crossing and water crossing survey by airborne bathymetric laser scanning - Case study TAG"  <b>Rupert Kellerbauer</b>, CEO, gispc - geographic information system &amp; processing consulting, Germany</p>	<p>Session 5.5 Maintenance &amp; Repair</p> <p>"Intelligent Predictive Maintenance in the context of Maintenance 4.0 for Oil &amp; Gas Industry"  <b>Dr Rama Srinivasan Velmurugan</b>, General Manager, GAIL India Limited, India</p> <p>"Using Risk Management to Optimize the Maintenance Plan for Pipelines"  <b>Gaurav Singh</b>, Project Manager, Rosen Group, Netherlands  <b>Ferenc Péterfalvi</b>, Head of Pipeline Operations, MOL, Hungary</p> <p>"Mastering the Temperbead Technique for In-Service Maintenance Welding"  <b>Tran Mah-Paulson</b>, Senior Welding Engineer, T.D. Williamson, Canada  <b>Chris Vrolyk</b>, Global Welding Services Manager, T.D. Williamson, Canada</p> <p>"Visualizing the Underground - EMPIT 3D Geomatics - game changing pipeline survey from above ground"  <b>Albin Hertrich</b>, Developer, EMPIT GmbH, Germany  <b>Mark Glinka</b>, Managing Director, EMPIT GmbH, Germany</p>

★ from 18:00: Dinner Invitation "Classic Remise Berlin: A center for vintage cars"

## 09:00-10:30 Plenary Session "Pipelines 2050: From Fossil Fuels to Renewable Fuels?" (Hall Europe)

In 2018 the European Commission adopted a strategic long-term vision for a prosperous, modern, competitive and climate neutral economy by 2050. The decline in the cost of renewable energies has opened the prospect of large-scale production of green hydrogen and liquid e-fuels. Pipelines can play an important role in this process. The existing infrastructure can be used to transport the hydrogen and e-fuels, with limited adjustments and costs. Keywords: Hydrogen, E-Fuels, Power-to-Gas, Power-to-Liquid.



Session Chair

**Dennis Fandrich**, Director Conferences, EITEP Institute, Germany



"The Role of Gas Pipelines in Decarbonization of EU's Energy Sector"

**Barbara Jinks**, Director Govt Relations, Gas Infrastructure Europe (GIE), Belgium



"Status and Perspectives of Liquid Fuels in the Energy Transition"

**Prof. Dr. Christian Küchen**, General Manager, MWV - Association of the German Petroleum Industry, Germany



"Renewable Energies for a Sustainable Transportation System"

**Dr. Klaus Bonhoff**, Managing Director (Chair), NOW GmbH (National Organisation Hydrogen and Fuel Cell Technology), Germany

## 10:30-11:00 Coffee Break in the Exhibition Hall

## 11:00-12:30 Panel Discussion "Illegal Tapping - Focus Regions, Monitoring and Counter Measures" (Hall Europe)

Illegal tapping and product theft are severe problems not only regarding economic aspects but also in terms of safety and integrity of the pipeline. According to recent studies, these problems exist not only in emerging markets but currently also in regions like Europe. Keywords: Product Theft, Third Party Impact, Monitoring, Socioeconomics, Counter Measures, Repair.



Session Chair

**Michael W. Cech**, Head of Pipeline JV's and Shipping, OMV Refining & Marketing GmbH, Austria



Panelist  
**Olugbenga Adebayo**, Head, Pipelines & Flowlines, Shell Nigeria Exploration & Production Company Limited, Nigeria



Panelist  
**Arif Ataman**, Head of International Projects and Business Development Department, BOTAS, Turkey



Panelist  
**Julio C. Barreto**, General Manager of Pipeline Protection, Transpetro, Brazil



Panelist  
**Peter Davis**, Director and General Manager, BPA, United Kingdom



Panelist  
**Dr. Giuseppe Giunta**, Technical Authority Manager, Eni Development Operations & Technology, Italy

## 12:30-12:50 Closing (Hall Europe)



Award Ceremony ptc Photo Contest "What is it like to work in the pipeline industry"

**Dennis Fandrich**, Director Conferences, EITEP Institute, Germany



Closing Remarks

**Heinz Watzka**, Senior Advisor, EITEP Institute, Germany

## 12:40-13:30 Closing Lunch Break in the Exhibition Hall

## from 14:00 Workshops / Round Tables

# SCIENTIFIC ADVANCES POSTER SESSION



TUESDAY, 19 MARCH, 13:00- 13:30 + WEDNESDAY, 20 MARCH, 13:30- 14:00 (WITHIN THE EXHIBITION HALL)

latest updates on present and upcoming research activities from universities and research institutions around the world

[1]  
"A Comprehensive Quality Guideline for the Treatment of Unexploded Ordnance Encountered During Offshore Pipeline Construction"  
**Torsten Frey**, Scientific Researcher, Leipzig University's Institute for Infrastructure and Resources Management, Germany

[2]  
"Acoustics based leakage detection technology in the high-pressure gas pipeline"  
**Fang Yuan**, Student, National university of Singapore, Singapore

[3]  
"Study of fuel transportation polychloroprene pipes degradation. Proposal of a characteristic stress endurance model"  
**Prof. Ayache Amar**, Teacher Researcher, Algerian Petroleum Institute, Algeria

[4]  
"Cross Country Pipeline Risk-Based Failure Prediction Using Hybrid Fuzzy Rule and Grey Theory in Fmea – A Nigeria's Pipeline System Case Study"  
**Shamsudeen Hassan**, Safety, Risk and Fire Engineer, Liverpool John Moores University, United Kingdom



# SOCIAL PROGRAM

## GET-TOGETHER PARTY

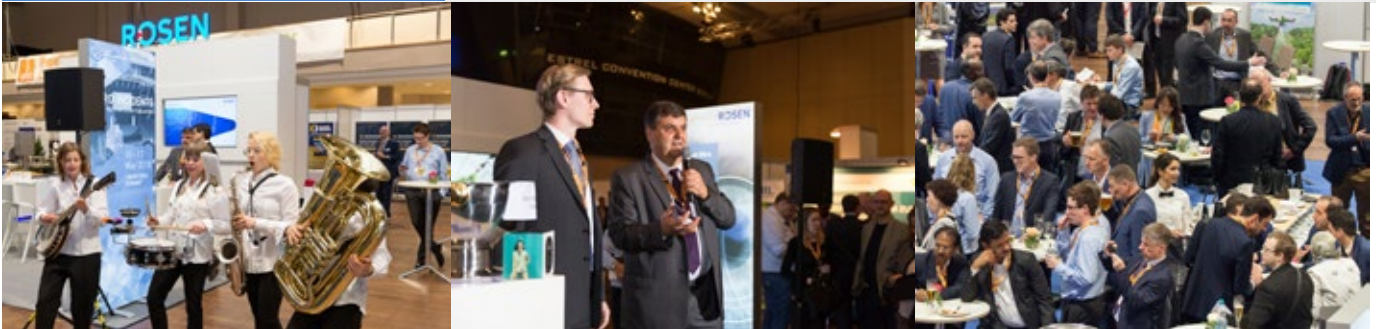
TUESDAY, 19 MARCH  
17:30-19:30  
EXHIBITION AREA

### BACKGROUND

On the evening of exhibition day one the traditional get-together party takes place directly within the exhibition and catering area. All conference delegates are not only granted free entry but also a complimentary supper and drinks. All participants are invited to join the get together raffle (tickets will be handed out upon registration at the registration desk).

### PARTICIPANTS

All delegates, exhibitors and sponsors of the event.  
Dress code: Business casual



## DINNER INVITATION "CLASSIC REMISE"

WEDNESDAY, 20 MARCH  
CLASSIC REMISE BERLIN

### BACKGROUND

The Classic Remise Berlin, a **center for vintage cars**, was opened in 2003 in a historic tram depot, originally built in imperial times, construction starting in 1899. Now there are garages, services and dealers for classic cars, shops for spare parts, clothing, model cars, accessories and restaurants in this landmark building. The **old industrial architecture** in combination with **historic and classic vehicles** will guarantee a unique automotive experience in the first classic car center of this kind worldwide. The participants of this exclusive gathering can learn more about the various vehicle models during **guided tours** and prove their driving skills on a **slot car race track**.

### PARTICIPANTS

Additional registration required (**limited to 300 persons**, first come first serve):  
+ 100 Euro  
Spouses / partners are invited to take part at the same price.  
Dress code: Smart casual

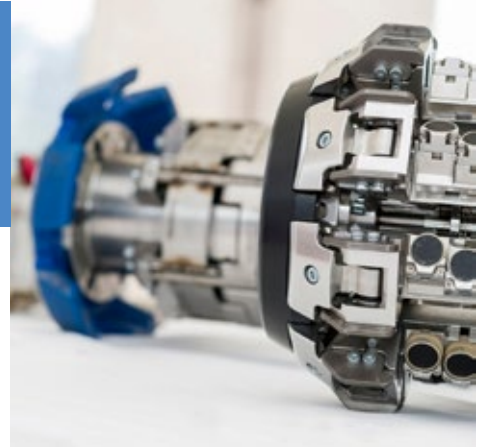


# PTC SEMINARS



MONDAY, 18 MARCH 2019, 09:00-17:00, ESTREL, BERLIN

## Inspection Technologies for Traditional and Challenging Pipelines



Lecturer: **Dr. Michael Beller**

Room: 4, Estrel, Berlin

The course provides a broad overview of tools commercially available today for the inspection of traditional and challenging pipelines in the onshore and offshore sector. Inspection procedures and reporting will be introduced, with a focus on typical content of Final Reports and the further use of inspection data. The following topics will be covered: • Defects in Pipelines • Pipeline Inspection • Non-Destructive Testing Technologies • Pipeline Inspection Tools • Pipeline Inspection Procedures and Reporting

## Inspection of Offshore Pipelines and Risers



Lecturer: **Dr. Konrad Reber**

Room: 30541, Estrel, Berlin

The 1-day seminar provides an introduction into the internal and external inspection of offshore pipelines and risers. Riser -Designs will as well as methods of inspection via various range of operational and preparational tool. The following topics will be covered: • Offshore Pipelines • Riser – Design and the Need for Inspection • Flowlines and unpiggable subsea pipelines • Other tubular structures • Inspection Technology • Operation of inspection tools • Preparation • Inspection Solutions

## REGISTRATION INFORMATION

- Each 1-days seminar 800 Euro + VAT only (reduced price for ptc delegates)
- Incl. seminar documentation, catering, certificate
- Registration Deadline: 15 February 2019
- Visit [www.pipeline-conference.com/seminars](http://www.pipeline-conference.com/seminars) for details and registration



# PTC SEMINARS



MONDAY, 18 MARCH 2019, 09:00- 17:00, ESTREL, BERLIN

## Pipeline Life-cycle Extension Strategies



Lecturer: **Heinz Watzka**

Room: 30341, Estrel, Berlin



The 1-day seminar gives detailed information about well-approved strategies for a failure-free and economic operation and maintenance of high-pressure oil, gas and water pipeline systems. The course director shares his experience from managing oil and gas pipeline operators in Germany/Europe. Main focus topics will be: • The pipeline life-cycle • Pipeline integrity management systems • Leak detection • In-line inspection • Repair works • Stations & Components • Pipeline safety

## Risk Assessment and Management of Pipeline Projects subjected to Geohazards



Lecturers: **Dr. Andreas Antoniou,**  
**Dr. Prodromos Psarropoulos**

Room: 30641, Estrel, Berlin



The course will provide an introduction into the subject and importance of Natural Hazards during the stages of evaluation, design, construction and operation of a pipeline. Delegates will learn about the need for qualitative and quantitative Assessment of the Risk associated with various Natural Hazards (such as Flooding, Landslides and Earthquakes) in relation to the route selection and the pipeline integrity.

## REGISTRATION INFORMATION

- Each 1-days seminar 800 Euro + VAT only (reduced price for ptc delegates)
- Incl. seminar documentation, catering, certificate
- Registration Deadline: 15 February 2019
- Visit [www.pipeline-conference.com/seminars](http://www.pipeline-conference.com/seminars) for details and registration



# PTC WORKSHOPS

THURSDAY, 21 MARCH 2019, 14:00-17:00, ESTREL, BERLIN

## Pipeline Leak Detection

(Room Straßburg)

Demand for pipeline leak detection and location systems is increasing rapidly. Unfortunately general knowledge about these systems is still limited and the view that these systems 'will only detect catastrophic leaks' or 'give false alarms all the time' is still heard regularly. This view may be the result of bad experience in the past, unrealistic expectations, or a combination of the two.

This workshop shows the benefits of using a leak detection system which combines several API 1130 technologies into one system. Following an introduction to the principles behind PipePatrol E-RTTM and its model supported, statistical classification method, field data is presented to show the capabilities of the system in a real-world, operational environment. It will be shown that modern leak detection systems do allow leak detection without false alarms, on liquid and even on gas pipelines operated in dynamic (transient) conditions. Historical Data will be used to show capabilities of the system while simulating a leak test in real-time. The results of this life demonstration will be discussed. Performance of an average leak detection time of 300 seconds for leaks <1 % will be demonstrated.



### Registration

If you wish to participate in this free workshop, please register yourself at the KROHNE exhibition booth during the Pipeline Technology Conference.

### Target Group

Pipeline operators of oil, gas, chemical and refined products, pipeline manufacturers

### Organizer



## WORKSHOPS AT PTC

- Pricing: free of charge (pre-registration required)
- Visit [www.pipeline-conference.com/workshops](http://www.pipeline-conference.com/workshops) for details.
- Please contact us in case you are also interested in organizing your own workshop at ptc.



# PTC ROUND TABLES

THURSDAY, 21 MARCH 2019, 14:00-16:00, ESTREL, BERLIN

## Pipeline Operator Experience Sharing on "Illegal Tapping" (Hall Europe)

All participating pipeline operators at ptc 2019 are invited to take part in this free informal exchange of experiences on "Illegal Tapping". The meeting will only involve pipeline operators and no technology and service providers.

Timing: Thursday, 21 March 2019 directly after the final lunch of ptc 2019.

Interested pipeline operators could choose to take part in this meeting during their online registration or register themselves during the ptc in Berlin.



Pipeline Technology Journal

COMMENT: Illegal tapping of pipelines is a rising problem not only in Mexico. Together we can fight it

Thu, 2019-01-24, Marcelino Guedes F. M. Gomes

The recent accident in Mexico is a source of great disappointment and sadness among all of us in the international pipeline community. The illegal tapping problem has been growing uncontrollably for the last 15 years throughout the world. Some countries recognize this, whereas others do not. The methodology used by illegal tappers varies considerably from sophisticated systems, which measure the fuel stolen and replace it with water, to a simple spike to allow the fuel under pressure to gush out like a geyser.

The Mexico case was probably caused by a lack of awareness of the dangers allied to extreme poverty. To break the pipe wall with a metal spike is the most unsafe methodology used to tap pipelines by criminals, because they are not concerned with the quality of the installation or safety. This method would never be utilized in the developed world.

In Mexico last weekend however, the criminals must have used a simple spike to perforate the pipe wall. This caused the geyser effect, establishing an atmosphere with gasoline fumes, which subsequently exploded. Before the explosion, the local population was collecting the fuel, which literally rained down, in saucepans, buckets, big cans or in some cases with trucks. Their behavior was like looters. In this case the poor population was clearly helping the bandits. There have been other cases of huge accidents in the world, where hundreds of people have died.

...

It is the duty of the rest of us in the international pipeline community to help Mexico and all others resolve this problem. The Pipeline Technology Conference 2019 will take place in Berlin in March and all pipeline experts should be present, because a special panel on illegal tapping will be held.

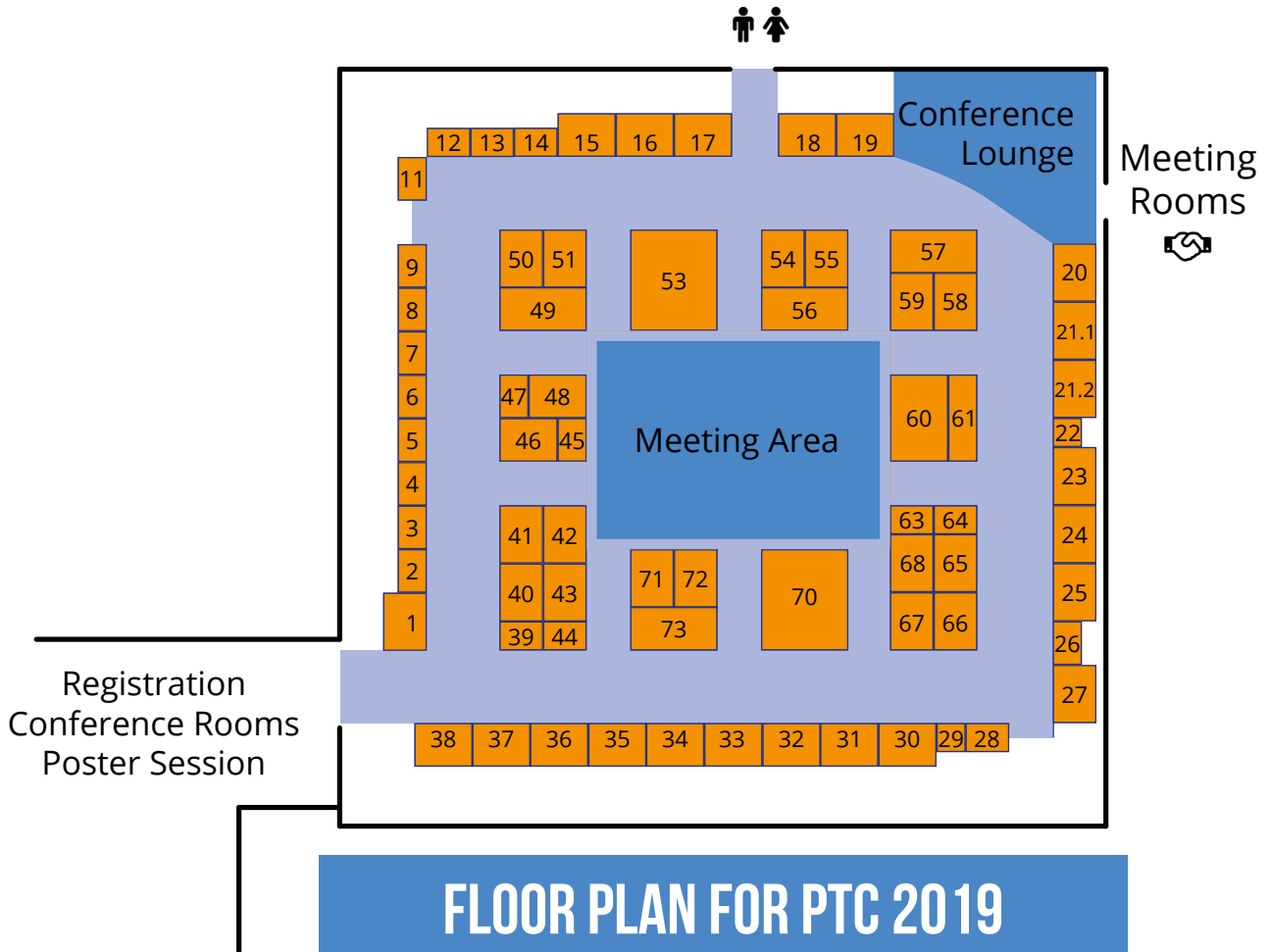
Source: <https://www.pipeline-journal.net/news/comment-illegal-tapping-pipelines-rising-problem-not-only-mexico-together-we-can-fight-it>



## ROUND TABLES AT PTC

- Pricing: free of charge (for pipeline operators only)
- Visit [www.pipeline-conference.com/round-tables](http://www.pipeline-conference.com/round-tables) for details.
- The meeting will only involve pipeline operators and no technology and service providers.

# FLOOR PLAN



## FLOOR PLAN FOR PTC 2019

### CONFERENCE LOUNGE SERVICES



Media Lounge



Free Coffee Supply



Meeting Rooms

### EXHIBITION TIMING

Tuesday, 19 March:  
08:00 – 19:30

Wednesday, 20 March:  
09:00 – 17:30

Thursday, 21 March:  
09:00 – 14:00



# EXHIBITORS

Company	Country	Booth
3P Services	Germany	4
Airborne Technologies	Austria	9
Ametek - Division Creaform	Germany	44
Applus RTD Deutschland	Germany	11
Asel Tech	Brazil	34
Atmos International	United Kingdom	61
<b>Baker Hughes, a GE Company</b>	<b>United Kingdom</b>	<b>54</b>
BIL	Germany	17
Bohrtec	Germany	32
Bureau Veritas	Germany	66
ClockSpring   NRI	United States	23
DEHN + SÖHNE	Germany	5
<b>DENSO</b>	<b>Germany</b>	<b>59</b>
Direct-C	Canada	33
<b>DNV GL</b>	<b>Norway</b>	<b>19</b>
EITEP Institute	Germany	Lounge
EMPIT	Germany	20
Entegra	United States	2
Feromihin	Croatia	65
Fotech Solutions	United Kingdom	1
Franken Plastik	Germany	39
<b>Gottsborg Leak Detection</b>	<b>Germany</b>	<b>56.2</b>
Herrenknecht	Germany	32
<b>IAOT</b>	<b>Czech Republic</b>	<b>72</b>
<b>ILF Consulting Engineers</b>	<b>Germany</b>	<b>48</b>
<b>Intero Integrity Services</b>	<b>Netherlands</b>	<b>60</b>
IPLOCA	Switzerland	58
Kebulin-Gesellschaft Kettler	Germany	36
Kontrolltechnik	Germany	15
Krohne Messtechnik	Germany	51
KTN AS	Norway	16
<b>Liderroll</b>	<b>Brazil</b>	<b>68</b>
LIN SCAN	U.A.E.	67
LogIC	France	25
<b>Maats Pipeline Professionals</b>	<b>Netherlands</b>	<b>71</b>
MAX STREICHER	Germany	55
Metegrity	Canada	18
MONTI - Werkzeuge	Germany	37

Company	Country	Booth
<b>NDT Global</b>	<b>Germany</b>	<b>42</b>
OptaSense	United Kingdom	64
Pergam-Suisse	Switzerland	35
Petro IT	U.A.E.	43
PHOENIX Contact	Germany	51
Pipeline and Gas Journal	United States	29
Pipeline Innovations	United Kingdom	41
Pipelines International	Australia	26
Pipesurvey International	Netherlands	57
POLINOM	Russia	21.1
PPSA	Switzerland	21.2
Premier Coatings	United Kingdom	46
Primus Line	Germany	24
PSI Software	Germany	7
ptj - Pipeline Technology Journal	Germany	Lounge
Reinhart Hydrocleaning	Switzerland	41
ROMSTARGROUP	Malaysia	8
<b>ROSEN Group</b>	<b>Netherlands</b>	<b>53</b>
RPR Technologies	Norway	47
Shawcor	Netherlands	14
<b>Siemens</b>	<b>Germany</b>	<b>45</b>
<b>solAres</b>	<b>Italy</b>	<b>49</b>
Solifos	Switzerland	27
SolSpec	United States	50
Sulzer Mixpac AG	Switzerland	13
<b>T.D. Williamson</b>	<b>Belgium</b>	<b>63</b>
TDC International	Switzerland	40
TIAL	Russia	3
TIB Chemicals	Germany	38
<b>Transneft</b>	<b>Russia</b>	<b>70</b>
<b>Trapil</b>	<b>France</b>	<b>56.1</b>
TÜV SÜD Industrie Service	Germany	12
VEGASE	France	28
Vietz	Germany	73
Vintri Technologies	Canada	30
World Pipelines	United Kingdom	22
Worldwide Group Germany	Germany	6
YPP Europe	United Kingdom	31



# EXHIBITOR PROFILES

## Diamond Sponsor



Booth  
#53

### empowered by technology

ROSEN is a leading privately owned company serving the oil and gas industry with inspection, integrity, and rehabilitation products and services. For over 30 years, ROSEN has provided the industry with advanced inspection and integrity solutions to ensure safe and economical operation of a wide range of assets and facilities. The ROSEN Group operates in more than 100 countries and employs over 2,000 people. Founded by Hermann Rosen in Germany in 1981, ROSEN has been headquartered in Switzerland since 2000. In September 2011, ROSEN celebrated its 30th anniversary.

Today, ROSEN not only serves the oil and gas industry but also provides a wide range of sophisticated and innovative products and system solutions to engineering industries such as aerospace, marine, transportation and security. ROSEN also has the expertise and equipment to inspect utility assets such as telecommunication towers, wind turbines, transmission towers, rail wheels and water distribution systems.

#### Products & Services

- Pipeline cleaning and inspection services
- Pipeline cleaning tools, accessories and spare parts
- Pipeline rehabilitation services
- Cleaning of tanks
- Plant & terminal inspection (tanks and other structures in refineries, processing plants, tank farms, etc.)
- Inspection of utility assets such as telecommunication towers, wind turbines, transmission towers, rail wheels and sea-going vessels
- Inspection of fresh water systems
- Standard and customized solutions for a wide range of engineering industries (security devices, intelligent plastic solutions, pipe coating)
- Integrity management services and software solutions

[www.rosen-group.com/](http://www.rosen-group.com/)

## Platinum Sponsors



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# 60

Intero Integrity Services is the world's only inspection and industrial services specialist to combine innovative technologies, critical insights, state-of-the-art equipment and advanced data management with a streamlined project approach.

We utilize insightful techniques with innovative inspections and industrial technologies to ensure you have the best solutions for accurate and reliable data at your disposal, enabling you to reduce project time, risk and cost.

We make it our business to optimize the workable space of your assets, delivering maximum performance, maximum protection and maximum predictability.

Using innovative industry solutions and expert knowledge, Intero Integrity Services is proud to bring you the very best services, previously provided by A.Hak Industrial Services, in asset inspection, industrial services and data management, supporting operations in all key energy hubs.

#### Inspection Services

- Inline Inspection
- Storage Tank Services
- Pipeline Integrity Management Services (PIMS)

#### Industrial Services

- Nitrogen Services
- Cleaning Services
- Pipeline Services

We know the inspection and industrial services solutions you need. We know how to analyze and manage your data to insightful effect. And we know what makes your projects run smoother. In short, we know your space.

[www.intero-integrity.com/](http://www.intero-integrity.com/)

## Platinum Sponsors

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### **TRANSNEFT**

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# 70

Transneft is the world leader in oil transportation, the largest pipeline company in the world and the Russian state operator of oil and petroleum products trunk pipelines.

The company operates over 68,000 km of pipelines, more than 500 pumping stations and 24 million m<sup>3</sup> of storage capacity. Transneft ships about 85% of Russian crude oil and over 25% of the country's light petroleum products.

Transneft personnel headcount is 119,000. The company celebrated its 25th anniversary in 2018.

[www.en.transneft.ru/](http://www.en.transneft.ru/)

## Golden Sponsors

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Maats is one of the leading suppliers (rental & sales) of specialized equipment and services to the pipeline industry around the globe. Maats is manufacturer of Maats Pipeline Equipment and authorized global sales representative for new Liebherr Pipeline Equipment.

Booth  
# 71

For both Sales and Rental Maats offers a wide range of new and used high quality equipment for the construction of pipelines of all common diameters (Pipe Layers, Bending Machines, Welding Tractors, additional equipment). The Maats network for sales, rental, support and services covers all continents.



With over 30 years experience and a deeply rooted emphasis for service, Maats works closely together with its customers to help them achieve maximum project efficiency and productivity with high performance equipment.

By offering a wide scope of products and services, worldwide support network, engineering, technical expertise, and the ability of full transport organization, Maats provides its customers with the comfort of dealing with a single supply source.

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

NDT Global is a leading supplier of ultrasonic pipeline inspection and pipeline integrity management. Its state-of-the art inspection fleet provides the entire in-line inspection service spectrum for onshore and offshore pipelines worldwide. The full range of services includes geometry and deformation inspection, metal loss and crack inspection, defect assessment and fitness-for-purpose investigations.

Booth  
# 42



First run success, best data quality and rapid report delivery are our key benchmarks. A skilled engineering and project management team, complemented by one of the best data analysis teams in the industry, has inspected and analyzed millions of kilometers of pipelines worldwide. The company has offices in Australia, Canada, Germany, Ireland, Mexico, UAE, UK and USA.

[www.ndt-global.com](http://www.ndt-global.com)

## Golden Sponsors



Over the past century, DENSO Group Germany has built a reputation founded on experience, quality and reliability in corrosion prevention and sealing technology. Just a few years after the company was founded in 1922, DENSO Group Germany revolutionised corrosion prevention across the world with the DENSO®-Tape (Petrolatum-Tape), which was already patented in 1927 as the worldwide first product for the passive corrosion prevention of pipelines.

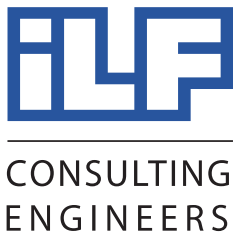
Booth  
# 59

Since then, DENSO Group Germany establishes and guarantees the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Today, DENSO is a global group of companies that, in spite of its international reach, still strives to deliver sustainable custom solutions and provide personal service to its customers.

The group's core business consists of the development and production of co-extruded 3-ply PE/ Butyl-Tapes, Heat Shrinkable Sleeves, Petrolatum-Tapes & Mastics, Jetty Pile Protection Systems, Polyurethane Coatings and Bitumen profiles. The group's high quality products - made in Germany - are applied in countless rehabilitation projects and new pipeline constructions worldwide. No other company has a longer experience in corrosion prevention for pipelines.

For more information please visit the website [www.denso.de](http://www.denso.de) and be inspired by the innovative product finder.

[www.denso.de/](http://www.denso.de/)



ILF Consulting Engineers is an international engineering and consulting firm with 50 years of experience in the engineering of major industrial and infrastructure projects. The successful completion of complex and challenging projects, requiring truly comprehensive management capability and interdisciplinary engineering expertise, is one of the specific strengths of the ILF Group.

Booth  
# 48

With 2,000 highly qualified employees at more than 40 office locations across five continents, the companies of the ILF Group have a strong regional presence. At the same time, close cooperation within the network of the ILF Group makes it possible to draw on international experts and make use of their special experience, processes, and tools. With over 6,000 projects successfully completed, the companies of the ILF Group rank among the world's leading engineering firms in their fields of expertise.

ILF is active in the following main business areas: Oil & Gas, Energy & Climate Protection, Water & Environment, Transport & Structures

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



International Association  
of Oil Transporters

International Association of Oil Transporters (IAOT) is an international voluntary, non-profit, non-governmental organization. It aims to support its Members conducting business in the transport of oil and oil products and to effectively coordinate the efforts of its Members to create the most efficient possible conditions for such activity. The IAOT wants to promote comprehensive development in the oil and oil products transportation and storage on international, national and regional levels. This includes monitoring, development and implementation of industry-specific regulations, representation of the Members' interests in public authorities, regulatory bodies, professional organizations, NGOs etc., and promoting positive perception of oil and oil products transportation and storage of.

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# 72

Currently, the IAOT has eight Members: MERO ČR, a.s. (Czech Republic), PJSC "Transneft" (Russia), Transpetrol a.s. (Slovakia), PJSC "Gomeltransneft Druzhba" (Belarus), MOL (Hungary), JSC "KazTransOil" (Kazakhstan), China National Petroleum Corporation (China) and "Ukrtransnafta" PJSC (Ukraine) and one Observer, the Caspian Pipeline Consortium.

[www.iaot.eu/](http://www.iaot.eu/)



Baker Hughes, a GE company (NYSE:BHGE) is the world's first and only fullstream provider of integrated products, services and digital solutions operating in over 120 countries. BHGE helps midstream operators confidently manage their assets, partnering to deliver technology, solutions and expertise for smarter ways of working. The mutual goal – safe operations, asset integrity and enhanced profitability.

Booth  
# 54

BHGE's footprint in the pipeline space includes a unique portfolio of products and services. Our advanced pipeline inspection technologies, integrity engineering expertise and powerful data management software help to drive enhanced pipeline safety. A range of extensive pre commissioning and maintenance services help enable event free start up, improve efficiency and maximize throughput.

Our world class rotating equipment, including the NovaLT gas turbine family and compression solutions offer proven reliability, exceptional availability and optimal performance in any environmental conditions.

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

## Silver Sponsors

### SIEMENS

Siemens - biggest portfolio of integrated solutions for Pipelines; including Compression and Pumping solutions, Integrated SCADA & RTU, ICSS, Instrumentation, Energy management, MIS/MES, Telecom, Security Systems, Shelters ensuring optimized Total Cost of Ownership, peak efficiency operations, asset management, increased availability and key performance indicators management translating into unrivalled lifetime value.

Booth # 45

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



With more than 65 year-experience as a pipeline operator, TRAPIL's core business is transporting refined petroleum products. It currently operates three multi-product pipeline networks in France; and owns one to carry more than 35 million tons of petroleum products between refineries, port facilities and depots near major French cities. To address the immense complexity of its operated networks, Trapil is constantly developing innovative new solutions, which are now offered to pipeline users seeking to upgrade their practices. Trapil's broad array of services is built around its major domains of expertise encompassing Engineering, in line Inspection, Integrity management and Product Quality.

Booth # 56

[www.trapil.com/en/](http://www.trapil.com/en/)



GOTTESBERG Leak Detection GmbH&Co.KG is a family owned developer and manufacturer of one of the technical leading products in the market of ultrasonic leak detection pigs for pipelines. Its aim is to provide affordable state of technology products that are easy to handle and absolutely reliable in their performance for the sales market as well as for service offers.

Booth # 56

With its specialists GOTTESBERG Leak Detection can look back at nearly 40 years of experience in the field of pipeline integrity.

[www.leak-detection.de/](http://www.leak-detection.de/)



T. D. Williamson, Inc., the world's most recognized name in pipeline equipment and services, delivers safe integrity solutions for onshore and offshore applications. TDW's expertise provides hot tapping & plugging, pipeline cleaning, geometry & MFL inspection, pigging and non-tethered plugging pig technology services for any pressurized pipeline system, anywhere in the world.

Booth # 63

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



SolAres, a joint venture between Solgeo and Aresys, is the supplier of e-vpms®: Eni's innovative technology for Pipeline Leak Detection and Pipeline Integrity Monitoring.

Booth # 49

Already deployed worldwide on over 1300km of pipelines, the technology proved to dramatically reduce the number of Third Party Interferences and their economic and reputational impacts.

The technology, after the installation of a minimal set of non-invasive sensors on existing derivations, elaborates in real-time the vibroacoustic waves propagating inside the pipeline.

The system is able to detect and precisely localize events as leaks and impacts occurring on the pipeline, with excellent reliability, precision and response time.

[www.e-vpms.com](http://www.e-vpms.com)



Driven by our purpose of safeguarding life, property and the environment, DNV GL enables organizations to advance the safety and sustainability of their businesses. We are the leading technical advisor within the pipeline industry, providing state-of-the-art services and software to comply, manage risk and improve asset performance.

Booth # 19

Over the years, DNV GL has created a series of internationally recognized standards, service specifications and recommended practices together with the industry. Our first pipeline code was issued in 1976 and has achieved global recognition, winning prestigious industry awards. Currently around 65% of all new projects globally are designed to it.

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













A winner of ASME's Global Pipeline Award, Liderroll is the proven worldwide leader in the installation of multiple large-diameter pipelines inside tunnels. To date, Liderroll is the only company to have completed a 5+ kilometer in-tunnel, multiple pipeline installation. Liderroll designs and manufactures its patented high-performance structural supports for pipelines not only for tunnels but also for marine terminals and refineries.

Booth # 68

[www.liderroll.com.br/](http://www.liderroll.com.br/)

# Exhibitors

	<p>3P Services provides state of the art in-line inspection services worldwide to operators of pipelines transporting and storing hydrocarbons. For more than 25 years, 3P has specialised in difficult to inspect and “un-piggable” pipelines from 2” to 48” diameter.</p>	<p>Booth # 4</p>
<p><a href="http://www.3p-services.com">www.3p-services.com</a></p>		
	<p>Our scope of work includes the integration of any airborne remote sensor into the customers` platform as well as the acquisition and processing of geo information for many sectors of industry.</p>	<p>Booth # 9</p>
<p><a href="http://www.airbornetechnologies.at">www.airbornetechnologies.at</a></p>		
	<p>Creaform designs and manufactures innovative and efficient NDT solutions. Our portable 3D measurement technologies and 3D engineering services are intended for industries such as oil &amp; gas, power generation and aerospace. Creaform solutions offer a significantly shorter measurement time and help streamlining the testing and inspection process of applications.</p>	<p>Booth # 44</p>
<p><a href="http://www.creaform3d.com/de">www.creaform3d.com/de</a></p>		
	<p>Applus+ RTD the global reference in non-destructive testing and inspection, focused on providing total solutions to the capital-intensive, high-risk energy, utility and infrastructure industries. We provide local NDT&amp;I services all over the world, standard as well as tailor-made, and qualified employees to ensure the quality and profitability of your assets.</p>	<p>Booth # 11</p>
<p><a href="http://www.Applusrtd.com">www.Applusrtd.com</a></p>		
	<p>Asel-Tech is a high-tech R&amp;D, engineering and service company with focus on the pipeline operation and automation industries. Asel-Tech manufactures very specialized and innovative systems for pipeline leak and theft location in real time. Asel-Tech has been working with pipeline technologies and pipeline integrity for more than 15 years.</p>	<p>Booth # 34</p>
<p><a href="http://www.asel-tech.com">www.asel-tech.com</a></p>		
	<p>Atmos International is dedicated to pipeline technology. Atmos provides pipeline leak detection, theft detection, and simulation technology to the oil, gas, water, and associated industries. Headquartered in Manchester UK, the company has implemented these technologies on hundreds of pipelines, including major oil and gas companies such as Shell, BP, ExxonMobil, and Total.</p>	<p>Booth # 61</p>
<p><a href="http://www.atmosi.com">www.atmosi.com</a></p>		
	<p>BIL eG has been founded as an incorporated cooperative of 17 pipeline companies in Germany to build up a nationwide internet portal to allow digging requests by construction companies. The portal will be free of charge for enquiring partners and will deliver as-built information of the operator from adjacent pipeline corridors. All data exchange will be digital and internet based.</p>	<p>Booth # 17</p>
<p><a href="http://www.bil-leitungsauskunft.de">www.bil-leitungsauskunft.de</a></p>		
	<p>Bohrtec is a German supplier of pipe jacking machines and equipment for the underground construction of: sewers, pipe roofs, house connections, pipeline crossings, ground freezing projects, drainage systems and other infrastructure lines. Bohrtec's range of application extends from soft displaceable soils to hard rock.</p>	<p>Booth # 32</p>
<p><a href="http://www.bohrtec.com">www.bohrtec.com</a></p>		
	<p>Bureau Veritas is a global leader in Testing, Inspection and Certification (TIC), delivering high quality services to help clients meet the growing challenges of quality, safety, environmental protection and social responsibility. Bureau Veritas offers innovative solutions that go beyond simple compliance with regulations and standards, reducing risk and improving performance.</p>	<p>Booth # 66</p>
<p><a href="http://www.bureauveritas.com">www.bureauveritas.com</a></p>		
	<p>ClockSpring   NRI composite pipe repair systems are in use in more than 75 countries and include industry-leading products such as Clock Spring™, Syntho-Glass® XT, Scar-Guard®, Contour, and DiamondWrap®, as well as the award-winning AVT EZ Valve™ for water lines. Our products are easy to install, cost-effective to deploy, and durable for decades.</p>	<p>Booth # 23</p>
<p><a href="http://www.cs-nri.com/">www.cs-nri.com/</a></p>		



# Exhibitors



DEHN+SÖHNE, a globally family-owned electrotechnical company with about 1,800 employees worldwide, offers innovative products and solutions as well as comprehensive services in the field of surge-protection, lightning-protection and safety-equipment. Booth # 5

The company's continuous growth is based on more than 100 years of experience, highest quality standards and consistent customer and market orientation throughout the world.

[www.dehn-international.com/en](http://www.dehn-international.com/en)



Direct-C has created the world's first commercially available leak monitoring system that directly detects only liquid hydrocarbons, eliminating false positives. Booth # 33

Using a proprietary nanoparticle based smart coating, low cost solutions are available to remotely monitor above and below ground pipelines, storage tanks, or areas of high consequence.

[www.direct-c.ca](http://www.direct-c.ca)



EMPIT® GmbH has developed a worldwide unique inspection technique which overcomes limitations of ILI and ECDA. The certified technique enables diagnostics of challenging and unpiggable pipelines from above ground. In only one inspection run, EMPIT detects internal & external pipeline defects, as well as coating damages, and measures the DoC. Booth # 20

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



ENTEGR

ENTEGR is a Ultra-High Resolution MFL/Caliper/IMU, tethered and free swimming in-line inspection global service provider. Delivering nearly 4X the resolution of the current high resolution MFL/Caliper tools available, ENTEGRA's tools are the shortest, lightest and the most collapsible Ultra-High Resolution tools available. Booth # 2

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



Feromihin is a specialist company for services related to fluid transmission. Among services like engineering, consulting, distribution and maintenance, it also develops innovative IT solutions. PIMS is a state of the art pipeline integrity management software with a full enclosure of features for visualizing, managing and maintaining pipelines and workflows. Booth # 34

[www.asynclabs.co](http://www.asynclabs.co)



Fotech specialises in the development and delivery of Distributed Acoustic Sensing (DAS) solutions. Fotech's fibre optic intrusion and leak detection solutions provide valuable real-time insight to help operators make more informed and cost-effective decisions to protect and maintain their pipelines. A smarter, faster way to manage and reduce pipeline risks. Booth # 1

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



Franken Plastik is one of the leading manufacturers of signage solutions for industrial and plant marking systems, for underground applications like cables, pipes, hydrants as well as for buildings and for traffic routes. Booth # 39

[www.frankenplastik.de/en](http://www.frankenplastik.de/en)



With the experience of more than 4,100 projects, Herrenknecht is a technology and market leader in the area of mechanized tunnelling technology. Herrenknecht is the only company worldwide to deliver cutting-edge tunnel boring machines for all ground conditions and in all diameters – ranging from 0.10 to 19 meters. Booth # 32

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



The International Pipe Line and Offshore Contractors Association (IPLOCA) is a "not for profit" association with the 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. Booth # 58

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













The Kebulin-Gesellschaft has manufactured field coating materials for earth and water installed pipeline construction for over 60 years. This wealth of experience and our striving for constant improvement applies both to the continuous optimisation of existing products and also the new development of innovative products and automated wrapping devices. Booth # 36

[www.kebu.de/](http://www.kebu.de/)











# Exhibitors

	<p>Kontrolltechnik GmbH is a German technology company established 1977 providing advanced inspection services and solutions to the onshore and offshore oil and gas industry, infrastructure pipe systems as district heating lines, sewer, penstocks, etc. Kontrolltechnik is specialized in application of electro-magnetic SLOFEC® technique with self-propelled inspection tools for challenging pipelines.</p>	<p>Booth # 15</p>
<p><a href="http://www.kontrolltechnik.com">www.kontrolltechnik.com</a></p>		
	<p>KROHNE is a full-service provider for process measuring technology. For pipeline transportation networks, KROHNE offers a broad range of measurement solutions. The E-RTTM based leak detection system PipePatrol is the most sensitive internal leak detection system available, providing very fast and accurate leak detection and localisation in pipelines.</p>	<p>Booth # 51</p>
<p><a href="http://www.krohne.com/">www.krohne.com/</a></p>		
	<p>KTN AS is a technology company specialized in condition assessment and periodic maintenance of oil and gas pipelines. The company performs work offshore and onshore internationally. KTN is specially well known for their self-propelled tethered tool inspection technology for challenging pipelines. (wall thickness + crack measurement)</p>	<p>Booth # 16</p>
<p><a href="http://www.ktn.no/">www.ktn.no/</a></p>		
	<p>Since 2001, LIN SCAN has been providing Pipeline Inspection and Integrity Support Services for Oil and Gas Industry globally. LIN SCAN possesses a huge fleet of tools designed for cleaning and inspection of pipelines. All equipment is designed and fabricated in-house and covers the full range of pipeline diameters. LIN SCAN also supplies cleaning pigs, pig traps (launchers &amp; receivers) and provide specialized pipeline cleaning services. LIN SCAN has its corporate office established in Dubai its subsidiaries in other countries worldwide including Europe, Africa, North America, Middle and Far East.</p>	<p>Booth # 67</p>
<p><a href="http://www.linscaninspection.com">www.linscaninspection.com</a></p>		
	<p>Specialized in pipeline construction and pressure piping works monitoring, LogIC assists its customers in quality management. From the study phase to the commissioning, our customized benefits allow to guarantee traceability and compliance of your projects : Logistics, Quality monitoring, Regulatory documents are our core business.</p>	<p>Booth # 25</p>
<p><a href="http://www.logic-sas.com/">www.logic-sas.com/</a></p>		
	<p>Many years of experience, technical know-how, flexibility and quality characterise the STREICHER Group. The company, with 3,500 employees worldwide, undertakes large-scale projects in different sectors, such as Pipeline &amp; Plant Construction, Mechanical Engineering, Civil &amp; Structural Engineering and Raw &amp; Construction Material.</p>	<p>Booth # 55</p>
<p><a href="http://www.streicher.de">www.streicher.de</a></p>		
	<p>Metegrity is a global software company that provides pipeline construction quality and asset integrity management systems.</p>	<p>Booth # 18</p>
<p><a href="http://www.metegrity.com">www.metegrity.com</a></p>		
	<p>MONTI - Werkzeuge GmbH, is developer and manufacturer of hand-held tools for surface preparation, among it the patented Bristle Blaster®. It provides similar results as grit blasting: cleanliness comparable Sa2½ - Sa3, roughness approx. 65-90 µm Rz on steel. BRISTLE BLASTER® - BLASTING WITHOUT GRIT.</p>	<p>Booth # 37</p>
<p><a href="http://www.monti.de/">www.monti.de/</a></p>		
	<p>OptaSense® are world leaders in Distributed Acoustic Sensing providing transformational cost-saving technology to help protect and secure the world's critical assets and pipelines whilst enabling leak prevention in addition to leak detection. Our thousands of virtual microphones alert, classify and locate events instantly enabling real-time decision making.</p>	<p>Booth # 64</p>
<p><a href="http://www.optasense.com">www.optasense.com</a></p>		
	<p>Pergam-Suisse is a manufacturer, distributor and service provider of world leading Gas Leak Detection Systems and equipment such as ALMA, SELMA etc. ALMA (Airborne Laser Methane Assessment): Remote detector, suitable for long transmission pipelines which offers detection at faster speeds.</p>	<p>Booth # 35</p>
<p><a href="http://www.pergam-suisse.ch/en/">www.pergam-suisse.ch/en/</a></p>		










# Exhibitors

 <p><b>Petro IT</b> Solutions with Integrity</p>	<p>Petro IT provides best-in-class software solutions supporting the build-out, maintenance and operations of energy transportation assets. Petro IT's world-wide organization is dedicated to helping asset owners and operators improve the productivity of their systems while at the same time enhancing the safety, compliance, reliability, utilization and profitability of the life cycle of their operation.</p> <p><a href="http://www.petroit.com/">www.petroit.com/</a></p>	<p>Booth # 43</p>
 <p><b>PHOENIX CONTACT</b></p>	<p>Phoenix Contact is a worldwide market leader for components, systems, and solutions in the fields of electrical engineering, electronics, and automation. Apart from individual migration concepts for control and E-MCR technology, Phoenix Contact also offers monitoring and remote control technology for a reliable monitoring of your pipelines and systems, irrespective of the specified infrastructure.</p> <p><a href="http://www.phoenixcontact.de/prozess">www.phoenixcontact.de/prozess</a></p>	<p>Booth # 51</p>
 <p><b>Pipeline &amp; Gas Journal</b></p>	<p>Pipeline &amp; Gas Journal is the recognized authority on pipeline operations worldwide. P&amp;GJ is written for those involved in moving, marketing and managing hydrocarbons from the well head to the ultimate consumer. Reaching more than 29,100 qualified subscribers, Pipeline &amp; Gas Journal is the most visible publication in the industry.</p> <p><a href="http://www.pipelineandgasjournal.com/">www.pipelineandgasjournal.com/</a></p>	<p>Booth # 29</p>
 <p><b>PIPELINE INNOVATIONS</b></p>	<p>PIL provides pipeline geometry and data acquisition services across all stages of a pipeline life cycle from construction, pre-commissioning, commissioning, production, operations and inspection right through to decommissioning and abandonment. The full range of services includes pipeline proving, geometry surveys, pipeline data logging, debris mapping and assessment.</p> <p><a href="http://www.pipeline-innovations.com/">www.pipeline-innovations.com/</a></p>	<p>Booth # 41</p>
 <p><b>ptj</b></p>	<p>More than 25,000 km of pipelines are installed every year and demand is continually rising. Approximately \$300 billion need to be invested worldwide. The operation, maintenance and rehabilitation of pipelines require the best materials, techniques and employees. ptj provides all interested parties an opportunity to be informed about the latest research results and developments in the global pipeline industry. The Journal is distributed to approx. 30,000 international decision-makers and experts in the pipeline industry.</p> <p><a href="http://www.pipeline-journal.net">www.pipeline-journal.net</a></p>	<p>Lounge</p>
 <p><b>PIPELINES INTERNATIONAL</b></p>	<p>A leader in high-pressure transmission pipeline industry publications, Great Southern Press also publishes the Journal of Pipeline Engineering and partners Clarion in event planning and implementation.</p> <p><a href="http://www.pipelinesinternational.com/">www.pipelinesinternational.com/</a></p>	<p>Booth # 26</p>
 <p><b>PIPE SURVEY INTERNATIONAL</b></p>	<p>Pipesurvey international provide pipeline inspection and integrity assessment services. Corrosion: xhr - mfl and c-mfl tools sizes 6"- 48", suitable for multidimensional and bidirectional pigging, detection of crack-type defects. Deformation: multichannel geometry tools for precise assessment of pipeline defects. Location: hi-resolution xyz units for gps coordinates and strain-stress assessment.</p> <p><a href="http://www.pipesurveyinternational.com">www.pipesurveyinternational.com</a></p>	<p>Booth # 57</p>
 <p><b>RIKOL</b> ANTICORROSION PROTECTION AND WATERPROOFING</p>	<p>IC Polinom produce a family of anti-corrosion and waterproofing coatings Rikol. We have special solutions for pipes, steel structures and concrete. We protect from environmental exposures, chemical and biological impacts.</p> <p><a href="http://www.rikol.ru">www.rikol.ru</a></p>	<p>Booth # 21.1</p>
 <p><b>PIGGING PRODUCTS &amp; SERVICES ASSOCIATION</b></p>	<p>The Pigging Products and Services Association (PPSA) was founded in 1990 by Jim Cordell and now has over 100 members from over 20 countries, representing the pigging industry throughout the world. The Association is entirely funded by its members through their annual subscription fees. Its aims are, "To promote the knowledge of pigging and its related products and services by providing a channel of communication between the members themselves, and with users and other interested parties". PPSA plays a major role in providing information and sourcing equipment and services, for pipeline operators and the industry generally and responds to hundreds of enquiries each year.</p> <p><a href="http://www.ppsa-online.com">www.ppsa-online.com</a></p>	<p>Booth # 21.2</p>
 <p><b>premier COATINGS LTD</b></p>	<p>Specialist anti-corrosion products manufacturer Premier Coatings Ltd is well known for its brands which include Premier™, Archco™, Protal™, Premier Shrink Sleeves™, Steelcoat™ and SeaShield™. Their products offer a cost effective, long term solution to corrosion prevention, sealing and waterproofing problems for buried, submerged or exposed steel or concrete pipes, tanks and structures.</p> <p><a href="http://www.premiercoatings.com">www.premiercoatings.com</a></p>	<p>Booth # 46</p>

# Exhibitors

	<p>PSI supplies the oil, gas and chemical industries with their market-leading pipeline monitoring and leak detection application suite PSIpipelines. This comprehensive suite includes the world-wide #1 leak detection system that complies with SIL, TRFL, API and industry standards. Its RTTM is one of the fastest and most accurate real-time pipeline simulation technologies. The PSI team provides a full-scope and effective support world-wide.</p>	<p>Booth # 7</p>
<p><a href="http://www.psoilandgas.com">www.psoilandgas.com</a></p>		
	<p>Rädlinger primus line GmbH is the manufacturer of the Primus Line® system, an innovative relining solution for the trenchless rehabilitation of pressure pipes for different applications such as water, gas and oil. The system consists of a flexible Kevlar® reinforced liner and specially developed end fittings.</p>	<p>Booth # 24</p>
<p><a href="http://www.primusline.com/">www.primusline.com/</a></p>		
	<p>A family business, RHC has been providing a range of innovative, hydromechanical pipeline cleaning tools for over 60 years. Designed and manufactured in house, the unique technology for hard deposit removal can be applied to a wide range of industries and pipeline materials from steel, cast iron, concrete and PVC.</p>	<p>Booth # 41</p>
<p><a href="http://www.rhc-sa.ch/">www.rhc-sa.ch/</a></p>		
	<p>ROMSTARGROUP provides Pipeline Inspection services using MFL technology. Large fleet of MFL tools ( 4" - 40") Multichannel Caliper with debris mapping capabilities. Leading manufacturer of pipeline cleaning PIGs with entire range of pipeline cleaning pigs &amp; provide comprehensive pipeline cleaning services for all onshore &amp; offshore oil &amp; gas pipeline.</p>	<p>Booth # 8</p>
<p><a href="http://www.romstargroup.com">www.romstargroup.com</a></p>		
	<p>RPR Technologies offers patented induction systems for environmentally friendly, fast and economic coatings removal on pipelines. It easily removes old coatings up to 30 mm and is approved for rehabilitation or repair work on live onshore pipelines. The system replaces traditional blasting methods with a minimum of wear or tear.</p>	<p>Booth # 47</p>
<p><a href="http://www.rprtech.com/">www.rprtech.com/</a></p>		
	<p>Shawcor is the world's largest provider of integrated pipeline solutions for onshore and offshore projects. Its wide array of coating solutions comprises anti-corrosion, flow assurance, internal, mechanical, weight stabilization and thermal field joint coating protection. It also offers pipe protection, transport and storage products, heat-shrinkable sleeve and liquid epoxies systems.</p>	<p>Booth # 14</p>
<p><a href="http://www.shawcor.com/">www.shawcor.com/</a></p>		
	<p>Fiber optic cables and systems for customer-specific applications. Precise, reliable, innovative. Solifos delivers specialized fiber optic cables and solutions for diverse applications. Designed for operation in harsh environments, our high tech cables and systems fulfill their intended function. Whether you consider permanent or temporary installations, data transmission or distributed fiber optic sensing: you can rely on Solifos. Our flexibility, reliability and passion for detail make the difference.</p>	<p>Booth # 27</p>
<p><a href="http://www.solifos.com">www.solifos.com</a></p>		
	<p>SolSpec's aerial analytics provide fast, accurate, and reliable risk management information to oil and gas midstream companies faced with complex construction and monitoring challenges. SolSpec employs machine learning technology to inform all phases of the asset lifecycle with precision understanding of potential threats to pipeline integrity, environmental resources, and landowners.</p>	<p>Booth # 50</p>
<p><a href="http://www.solspec.solutions">www.solspec.solutions</a></p>		
	<p>Sulzer Mixpac AG headquartered in Switzerland is one of the world's leading manufacturers and suppliers of products and services for liquid applications. As part of the Sulzer Group's Applicator Systems Division it specializes in 1- and 2-component mixing and dispensing systems for adhesives, coatings, dental and healthcare markets.</p>	<p>Booth # 13</p>
<p><a href="http://www.sulzer.com">www.sulzer.com</a></p>		
	<p>TDC International, headquartered in Switzerland and with a production facility in Germany, specializes in various specialty industrial constructions using glass-fibre reinforced plastics (GRP). Our core product is the fabrication of mechanical protection coatings for pipes and field joints. Our customer base consists of large European utilities, network operators, steel mills, transportation companies, municipalities, and chemical companies.</p>	<p>Booth # 40</p>
<p><a href="http://www.tdc-int.com/">www.tdc-int.com/</a></p>		

# Exhibitors

	<p>TIAL is the Russian company devoted to development and manufacture of Heat-Shrinkable Coating for external corrosion protection and waterproofing of pipelines. The company was organized in 2001 by professionals in polymer industry. TIAL holds leading position in the markets of Russia and CIS and exports products to numerous countries. All TIAL's legal entities are ISO certified. Major products are type approved against international requirements.</p>	<p>Booth # 3</p>
<p><a href="http://www.tial.ru/">www.tial.ru/</a></p>		
	<p>PROTEGOL® Coating Systems, PUR/EP-based and providing 0% VOC, offer reliable protection against corrosion in most diverse ambiances. The proven track record of over 50 years extends from field joint coating and rehabilitation of entire pipelines in the field up to online application in the factory, including all special-geometry buried structures.</p>	<p>Booth # 38</p>
<p><a href="http://www.tib-chemicals.com/">www.tib-chemicals.com/</a></p>		
	<p>Founded in 1866 as a steam boiler inspection association, TÜV SÜD Group has evolved into a global enterprise. More than 24,000 employees work at over 1.000 locations in about 50 countries to continually improve technology, systems and expertise. They contribute significantly to making technical innovations safe and reliable.</p>	<p>Booth # 12</p>
<p><a href="http://www.tuev-sued.de/is">www.tuev-sued.de/is</a></p>		
	<p>VEGASE CONTROLE is one of the Fire, Gas and leak detection market leaders, with expert team in safety dedicate on leak detection. We offer a wide range of state of the art detection systems with line sensing which locate precisely where are the leakage on long line pipeline.</p>	<p>Booth # 28</p>
<p><a href="http://www.vegase.fr">www.vegase.fr</a></p>		
	<p>The corporate group Vietz consists of the enterprise Vietz, Vietz Rental and Vietz Schweißtechnik as well as further international representations spread over four continents. With more than 40 years of experience in construction sites we are your first contact when it comes to producing machines and equipment for pipeline constructions.</p>	<p>Booth # 73</p>
<p><a href="http://www.vietz.de/">www.vietz.de/</a></p>		
	<p>Digital Transformation must start at the inception (MTC) of a pipeline asset. Vintri partners with Operators to provide a software platform and consulting service focused on bringing Digital Quality Assurance &amp; Material Traceability improvements to all Asset Data (manufacturing &amp; construction). Please stop by and ask about our 35+ projects.</p>	<p>Booth # 30</p>
<p><a href="http://www.vintritech.com">www.vintritech.com</a></p>		
	<p>World Pipelines is the international publication for the oil and gas pipeline industry, covering all aspects of pipeline engineering, construction and maintenance, as well as the technical and business issues that pertain to the industry. World Pipelines is published monthly, distributed internationally and is independently audited (ABC).</p>	<p>Booth # 22</p>
<p><a href="http://www.worldpipelines.com">www.worldpipelines.com</a></p>		
	<p>Worldwide Group conjoins more than 60 years of experience in the pipeline industry with latest engineering. The company sells and rents equipment including e.g. pipelayers, padding machines, earthmoving equipment, bending machines, vacuum lifts and flat bed tractors for pipeline projects from 6-60 inches around the world. Worldwide Group is a family of companies: Worldwide Machinery, WRS – Worldwide Rental Service, WF – Worldwide Financial, Worldwide Machinery Pipeline Division and SUPERIOR Manufacturing.</p>	<p>Booth # 6</p>
<p><a href="http://www.worldwidemachinery.com">www.worldwidemachinery.com</a></p>		
	<p>Young Pipeline Professionals Europe (YPPE) is a network of young professionals working within the pipeline industry. The aim of the organisation is to ensure the future advancement of the pipeline industry by fostering relationships and knowledge transfer between young and senior professionals, creating leadership and speaking opportunities for its members, and promoting industry careers.</p>	<p>Booth # 31</p>
<p><a href="http://www.linkedin.com/company/yppuk-young-pipeline-professionals-uk/">www.linkedin.com/company/yppuk-young-pipeline-professionals-uk/</a></p>		

# OPERATORS FROM ALL OVER THE WORLD

## Who participates at the ptc?



AB Amber Grid, Lithuania  
Abu Dhabi Company for Onshore Oil Operations (ADCO), United Arab Emirates  
Abu Dhabi Oil Refining Company (TAKREER), United Arab Emirates  
Agiba Petroleum Company, Egypt  
Air Liquide, Belgium  
APA Group, Australia  
Axpo Trading, Switzerland  
Basell Polyolefine, Germany  
Blue Stream Pipeline Company, Netherlands  
BP Europa, Germany  
CBMM - CIA BRASILEIRA DE METALURGIA E MINERAÇÃO, Brazil  
Companhia Paranaense de Gás - COMPAGAS, Brazil  
Daehan Oil Pipeline Corporation (DOPCO), South Korea  
Danish Defence, Denmark  
DESFA SA Hellenic Gas Transmission System Operator, Greece  
Deutsche Transalpine Oelleitung (TAL), Germany  
DONG Energy, Denmark  
Dow Olefinverbund, Germany  
East Gas Company, Saudi Arabia  
EFCODB- North Oil Company, Iraq  
Eilat Ashkelon Pipeline Co., Israel  
EPS Ethylen-Pipeline-Süd, Germany

Evonik Technology & Infrastructure, Germany  
ExxonMobil, United Kingdom  
FES Denmark, Denmark  
Fluxys, Belgium  
GA-MA AD Skopje, Macedonia  
Gas Connect Austria, Austria  
GASCADE Gastransport, Germany  
Gases del Caribe, Colombia  
Gasoducto del Pacifico, Chile  
Gasunie, Netherlands  
Gasverbund Mittelland, Switzerland  
Gaznat, Switzerland  
Gazprom, Russia  
GAZ-SYSTEM, Poland  
GRT Gaz, France  
GSKK Migas, Indonesia  
GSPL India Transco Ltd, India  
HKSARG, Hong Kong  
Indian Oil Corporation, India  
INPEX Corporation, Japan  
Intergas Central Asia, Kazakhstan  
Iranian Oil Pipeline & Telecommunication Co., Iran  
Jadranski Naftovod, Croatia  
KAFCO, Kuwait  
KazTransGas Aimak, Kazakhstan  
Kretslopp och vatten, Gothenburg City, Sweden  
Kuwait Oil Company, Kuwait  
LatRosTrans, Latvia  
Mahanagar Gas, India

Mineralölverbundleitung Schwedt, Germany  
Ministry of Mines, Petroleum and Natural Gas, Ethiopia  
Mitsui Chemicals Europe, Germany  
MOL, Hungary  
National Grid, United Kingdom  
National Iranian Gas Company, Iran  
NET4GAS, Czech Republic  
NIGERIAN NATIONAL PETROLEUM CORPORATION, Nigeria  
Nord Stream, Switzerland  
Nord Stream 2, Switzerland  
Norrvatten, Sweden  
NOVA Chemicals, Canada  
Oil Ministry, Iran  
OMV, Austria  
ONTRAS Gastransport, Germany  
Open Grid Europe, Germany  
PDO (Petroleum Development Oman), Oman  
Pertamina Hulu Energi Offshore, Indonesia  
Petrobras, Brazil  
Petrochina, China  
Petrolines for Crude Oil, Sudan  
PETRONAS, Malaysia  
PLINACRO, Croatia  
PLINOVODI d.o.o., Slovenia  
Public Utilities Board, Singapore, Singapore  
Refinery Heide, Germany

Rotterdam-Rijn Pijpleiding, The Netherlands  
S.N.T.G.N. TRANSGAZ S.A, Romania  
SABIC, Saudi Arabia  
SABTANK, Saudi Arabia  
Saline Water Conversion Corporation, Saudi Arabia  
Saudi Aramco, Saudi Arabia  
Shell, Germany  
Shell Nigeria, Nigeria  
Sinopec, China  
SINOPEC Europa, Germany  
SNTGN TRANSGAZ S.A, Romania  
SOCAR MIDSTREAM, Azerbaijan  
South Stream Transport, Netherlands  
Southern Sweden Water Supply, Sweden  
Statoil, Norway  
TENP-Pipeline, Germany  
Thyssengas, Germany  
Top Shelf Energy, Canada  
Trans Adriatic Pipeline (TAP) AG, Switzerland  
Transitgas, Switzerland  
Transneft, Russia  
Transneft Druzhba, Russia  
Transportadora de Gas del Norte S.A, Argentina  
TRAPIL, France  
Vermilion Energy, Netherlands  
Wintershall Holding, Germany

This is an overview of the participating operators from only three years (2015 to 2017) showing the high reputation the pipeline technology conference and exhibition enjoys with pipeline operators from all over the world. In 2018 more than 140 delegates from 69 different pipeline operators took part.

# MARKETING FRAMEWORK

## Promoting sponsors and exhibitors

### PTC MARKETING POWER

Take advantage of the reach and power of ptc with a multi-faceted marketing program designed specifically to benefit the sponsors and exhibitors appearing at ptc 2019.

High traffic on ptc-website means a higher brand awareness for our sponsors and exhibitors.

The ptc website provides quality content and is continuously working on driving relevant traffic.

#### PRE-EVENT MARKETING

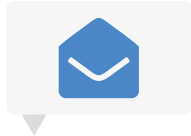
- Adverts in Media Partner Journals
- ptc Website
- Pipeline Technology Journal (ptj)
- ptc + ptj Newsletter
- Press Releases
- Social Media Activities
- Brochures
- Direct Mailings
- Promotion at Networking Events

#### MARKETING AT THE EVENT

- Brochure in Conference Bag
- Social Media Activities
- Networking Events
- Conference Breaks within Exhibition Area

#### POST-EVENT MARKETING

- Press Releases
- ptc + ptj Newsletter
- Final Report
- Social Media Activities
- ptc Website
- Pipeline Technology Journal (ptj)
- Social Media Activities



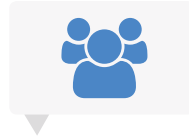
**30K**  
Verified  
Addresses



**20**  
Media  
Partners



**19**  
Supporting  
Associations



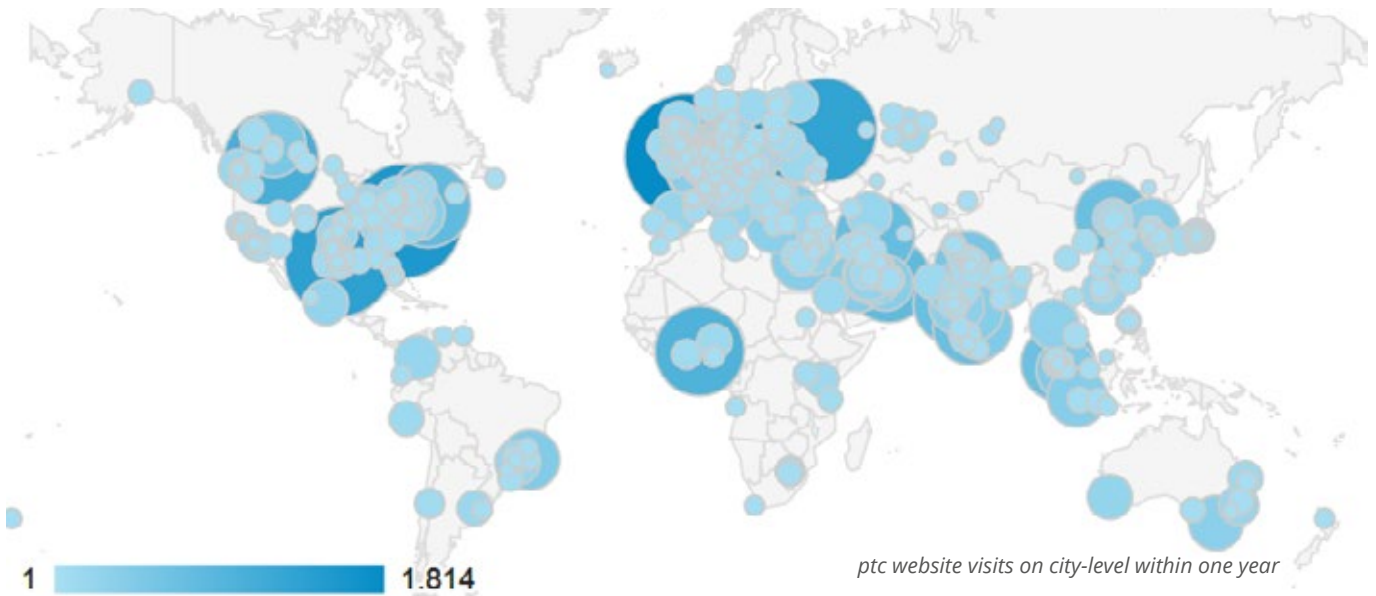
**42**  
Advisory  
Committee  
Members







**>2K**  
Followers  
on social  
networks

# WORLD-WIDE COVERAGE

To whom the ptc-website shows your engagement



			
<b>58K</b>	<b>204K</b>	<b>2:22</b>	<b>191</b>
Unique Visitors within 12 months	Page Views within 12 months	Minutes average time a visitor spends on the website	Countries web visitors are coming from all over the world

*(Apr. 2017 - Mar. 2018, data according to Google Analytics)*

## HIGH TRAFFIC

on the ptc website means a higher brand awareness for our sponsors and exhibitors.

The ptc website provides frequently updated quality content and we are continuously working on driving relevant traffic.



# PIPELINE TECHNOLOGY JOURNAL (PTJ)

## Additional Marketing and Media Coverage



Reach out to **30,000** Pipeline Professionals



**ptj eJournal**



**ptj newsletter**



**ptj website**

## SERVICES FOR YOUR CORPORATE COMMUNICATION

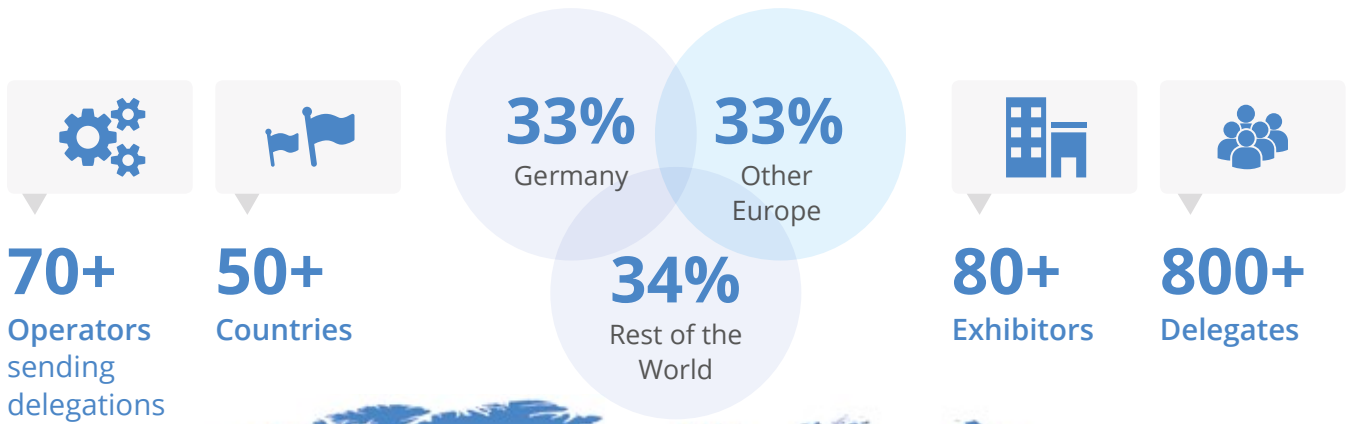
The Pipeline Technology Journal (ptj) offers three different communication channels in order to reach pipeline professionals around the globe. Exhibitors and Sponsors profit from **10 % to 20 % discount on adverts.**

- Send your press release, technical article, company news
- Register your company profile in the company directory
- Publish your job opportunities in the ptj job & career market
- Book your advertisement and / or banner

Get in contact with us now: [www.pipeline-journal.net](http://www.pipeline-journal.net) or directly: [ptj@eitep.de](mailto:ptj@eitep.de)

# DEMOGRAPHY

## The ptc community - quick facts



Origin of the ptc delegates

VISIT BERLIN



# GENERAL INFORMATION

## ACCOMMODATION

ESTREL BERLIN  
Sonnenallee 225  
12057 Berlin  
Germany  
[www.estrel.com](http://www.estrel.com)

### Booking

Phone: +49 30 6831 0  
[hotel@estrel.com](mailto:hotel@estrel.com)  
[www.pipeline-conference.com/accommodation](http://www.pipeline-conference.com/accommodation)

Please contact the hotel directly and make your own reservation as soon as possible with reference to "ptc 2019".

Room rates per night (including breakfast and free wi-fi)  
Single Room: 149.00 EUR  
Double Room: 181.00 EUR

The hotel rooms are located within the same building as the conference and exhibition.

## ADDITIONAL MARKETING AND MEDIA COVERAGE



The Pipeline Technology Journal (ptj) covers reports about research, industry and practice, presentation of innovative concepts and technologies, special reports about pipeline safety as well as the upcoming event calendar.

It will be sent to more than 30,000 international decision makers and experts of the pipeline industry. Hard copies will be handed out at international pipeline events.

[www.pipeline-journal.net](http://www.pipeline-journal.net)



# QUICK FACTS



## ORGANIZER

EITEP - Euro Institute for Information and Technology Transfer  
Marie-Jahn-Str. 20 • 30177 Hannover • Germany • [www.eitep.de](http://www.eitep.de)



## CONFERENCE MANAGEMENT

Dennis Fandrich, +49 511 90992-22, [ptc@eitep.de](mailto:ptc@eitep.de)



## VENUE

ESTREL BERLIN • Convention Center  
Sonnenallee 225 • 12057 Berlin • Germany • [www.estrel.com](http://www.estrel.com)



## DELEGATE FEE (Conference & Exhibition)

Regular: 1,200 EUR  
Operator: 1,100 EUR  
Student: 80 EUR

## EXHIBITION FEE (Exhibition only)

Full Event: 200 EUR (incl. catering)

All prices excluding VAT.



## CONFERENCE LANGUAGE

English



## ADDITIONAL MARKETING AND MEDIA COVERAGE

Pipeline Technology Journal (ptj)  
[www.pipeline-journal.net](http://www.pipeline-journal.net)



# EUROPE'S BIGGEST PIPELINE EVENT

## THE ANNUAL GATHERING OF THE INTERNATIONAL PIPELINE COMMUNITY IN THE HEART OF EUROPE

After starting as a small side event of the huge HANNOVER MESSE trade show in 2006 in Hannover, the Pipeline Technology Conference developed into Europe's biggest pipeline conference and exhibition. Since 2012 the EITEP Institute organizes the ptc on its own and moved the event to Berlin in 2014. The 14th ptc will again be a record breaking event.

# OPERATORS

## INCREASING SHARE

Over the last years the number of delegations from different pipeline operators increased steadily. At the last ptc delegations from 69 different national and international pipelines operators came to Berlin.



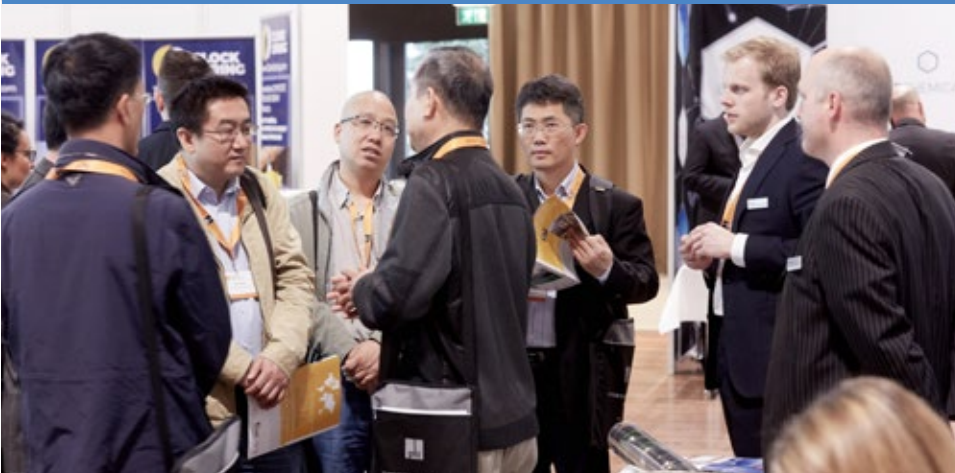
# TRULY INTERNATIONAL

## 64% OF THE PTC DELEGATES ARE COMING FROM ABROAD (EUROPE, MIDDLE EAST, NORTH AMERICA, SOUTH AMERICA, ASIA, ETC.)

ptc is a truly international event with only 36% of the delegates coming from Germany. In 2018 delegates from 54 different countries attended the 13th ptc in Berlin. The share of delegates from abroad is increasing from year to year.



© visitBerlin, Foto: Wolfgang Scholvien



# VISIT BERLIN

## THE THRIVING GERMAN CAPITAL

Berlin is more than 775 years old and over the decades, all generations have left their monuments and landmarks in town.

# PARTICIPATION REGISTRATION

**14<sup>TH</sup> PIPELINE TECHNOLOGY CONFERENCE**  
 18-21 March 2019, Estrel, Berlin, Germany

**REGISTER  
 NOW!**



**ONLINE REGISTRATION IS NOW OPEN AND AVAILABLE AT:**

**[WWW.PIPELINE-CONFERENCE.COM/REGISTRATION](http://WWW.PIPELINE-CONFERENCE.COM/REGISTRATION)**



<b>DELEGATE FEES</b> (19-21 March 2019)	UNTIL 30 NOV. 2018	AFTER 30 NOV. 2018
<b>CONFERENCE TICKET</b>	1,080 EUR	1,200 EUR
<b>CONFERENCE TICKET (PIPELINE OPERATOR)</b>	990 EUR	1,100 EUR
<b>CONFERENCE TICKET (STUDENT)</b> <i>only for full-time students, verification required</i>	80 EUR	80 EUR
<b>+ DINNER INVITATION (OPTIONAL)</b> <i>on Wednesday, 20 March (limited to 300 participants)</i>	(+ 50 EUR) <i>spouse tickets also available</i>	(+ 50 EUR) <i>spouse tickets also available</i>

Included Services: entrance to conference and exhibition, full access to the conference proceedings containing all abstracts and papers, lunch, beverages, snacks, ticket for get-together party on Tuesday



<b>EXHIBITION FEES</b> (19-21 March 2019)	UNTIL 30 NOV. 2018	AFTER 30 NOV. 2018
<b>EXHIBITION TICKET (FULL EVENT)</b>	200 EUR	200 EUR
<b>+ DINNER INVITATION (OPTIONAL)</b> <i>on Wednesday, 20 March (limited to 300 participants)</i>	(+ 100 EUR) <i>spouse tickets also available</i>	(+ 100 EUR) <i>spouse tickets also available</i>

Included Services: entrance to the exhibition, lunch, beverages, snacks, ticket for get-together party on Tuesday



<b>SIDE CONFERENCES / SEMINARS</b> (18 March 2019)	UNTIL 30 NOV. 2018	AFTER 30 NOV. 2018
<b>1 PTC SIDE CONFERENCE</b>	600 EUR	600 EUR
<b>1 PTC SEMINAR</b>	800 EUR	800 EUR



<b>COMBO TICKET</b> (18-21 March 2019)	UNTIL 30 NOV. 2018	AFTER 30 NOV. 2018
<b>SIDE CONFERENCE + CONFERENCE TICKET</b> <i>discount of 200 Euro on full price</i>	1480 EUR	1600 EUR
<b>PTC SEMINAR + CONFERENCE TICKET</b> <i>discount of 200 Euro on full price</i>	1680 EUR	1800 EUR

All prices excluding 19% German VAT. Group discounts on request.  
 Terms and Conditions: see [www.pipeline-conference.com/registration](http://www.pipeline-conference.com/registration)



14<sup>TH</sup> PIPELINE TECHNOLOGY CONFERENCE  
 18-21 MARCH 2019  
 ESTREL CONVENTION CENTER, BERLIN, GERMANY  
 WWW.PIPELINE-CONFERENCE.COM

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