

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

2-4 MAY 2017, ESTREL CONVENTION CENTER, BERLIN, GERMANY



## CONFERENCE PROGRAM

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Euro Institute for Information  
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# WELCOME TO THE 12<sup>TH</sup> PIPELINE TECHNOLOGY CONFERENCE

EUROPE'S BIGGEST PIPELINE  
CONFERENCE AND EXHIBITION



600+ DELEGATES



60+ EXHIBITORS



50+ DIFFERENT NATIONS



DELEGATIONS FROM 50+ DIFFER-  
ENT PIPELINE OPERATORS



From 2-4 May 2017 Europe's biggest pipeline conference and exhibition, the Pipeline Technology Conference (ptc), will take place for the 12<sup>th</sup> time.

The 12<sup>th</sup> ptc offers again opportunities for operators as well as technology and service providers to exchange latest technologies and new developments supporting the energy strategies world-wide. More than 600 delegates are expected to attend the 12<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 pipeline systems. One of the focus topics at ptc 2017 will be "Pipeline Construction".

Please take a closer look at the following pages and get involved now - register as conference delegate or reserve your booth at the accompanying exhibition.

A handwritten signature in black ink, appearing to read 'K. Ritter', written over a light blue background.

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

# ADVISORY COMMITTEE

## CHAIRMEN



Dr. Klaus Ritter, President, EITEP Institute



Uwe Ringel, Managing Director, ONTRAS Gastransport

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Prof. Dr. Joachim Müller-Kirchenbauer, Lehrstuhl Energie- und Ressourcenmanagement, Technische Universität Berlin



Steffen Paeper, Offshore Engineering, South Stream



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



Frank Rathlev, Manager of Network Operations, Thyssengas



Dr. Joachim Rau, Managing Director, DVGW CERT



Markus Rieder, Senior Expert Pipeline Projects, TÜV SÜD Industrie Service



Hermann Rosen, President, ROSEN Group



Michael Schad, Head of Sales International, Denso



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



Ulrich Schneider, Business Development Manager Continental Europe, KTN



Markus Seitz, Integrity Engineer, APA Group



Carlo Maria Spinelli, Technology Planner, eni gas & power



Dirk Strack, Technical Director, TAL - Deutsche Transalpine Oelleitung



Anand Kumar Tewari, Executive Director, Indian Oil Corporation



Asle Venas, Global Director Pipelines, DNV GL



Bernd Vogel, Head of Network Department, GASCADE Gastransport



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Tobias Walk, Director of Projects - Pipeline Systems, ILF Consulting Engineers



Heinz Watzka, Senior Advisor, EITEP Institute



Herbert Willems, Global ILI Technology Support, NDT Global



**Conference Management**  
Dennis Fandrich, Director Conferences, EITEP Institute



# PROGRAM OVERVIEW

	Tuesday, 2 May 2017					Wednesday, 3 May 2017					Thursday, 4 May 2017					5 - 6 May 2017			
	Track 1	Track 2	Track 3	Track 4	Track 5	Exhibition	Track 1	Track 2	Track 3	Track 4	Track 5	Exhibition	Track 1	Track 2	Track 3	Track 4	Track 5	Exhibition	Post-Conference Seminars
08:00																			
08:30																			
09:00	Registration Coffee in Exhibition Hall						1.2	2.2	3.2	4.2	5.2		World Pipeline Outlook						1) In-Line Inspection of Onshore and Offshore Pipelines  2) Geohazards and Geotechnics in Onshore and Offshore Pipeline Engineering  (additional registration required)
09:30							Offshore Technologies	Inline Inspection	Leak Detection	Construction	De-commissioning								
10:00	Opening						Coffee Break in Exhibition Hall						Coffee Break in Exhibition Hall						
10:30	Keynote Speech												Closing Panel Discussion						
11:00	Opening Panel Discussion																		
11:30							1.3	2.3	3.3	4.3	5.3		Closing Remarks						
12:00							Offshore Technologies	Integrity Management	Leak Detection	Construction	Composite Repair		Lunch Break in Exhibition Hall						
12:30	Lunch Break in Exhibition Hall (+ Poster Session)						Lunch Break in Exhibition Hall (+ Poster Session)						Post-Conference Workshops						
13:00													1) Pipeline Leak Detection						
13:30													(free for ptc delegates)						
14:00																			
14:30	1.1	2.1	3.1	4.1	5.1		1.4	2.4	3.4	4.4	5.4								
15:00	Safety (by DVGW)	Inline Inspection	Automation	Trenchless Construction	Repair		Standards & Regulations	Integrity Management	Leak Detection	Planning & Design	Coating								
15:30							Coffee Break in Exhibition Hall												
16:00																			
16:30	Get together in Exhibition Hall																		
17:00																			
17:30																			
18:00																			
18:30							Dinner Invitation												
19:00																			
19:30																			

## IPLOCA WILL HOLD ITS REGIONAL MEETING IN CONJUNCTION WITH PTC 2017

- The regional meeting will take place at the Estrel in Berlin on 2 May 2017.
- This regional approach allows guests to engage at the local level and discuss common issues and concerns. The meeting includes presentations from IPLOCA and invited guest speakers. All delegates of the meeting will also be invited to visit the exhibition of the 12<sup>th</sup> Pipeline Technology Conference (ptc).



# CONFERENCE PROGRAM

TUESDAY, 2 MAY 2017

09:00-10:00 Registration (Foyer Hall A/B)

10:00-10:30 Opening (ECC Room 1)



Welcome

**Dr. Klaus Ritter**, President of EITEP Institute, Germany

10:30-11:00 Keynote Speech "Energy Cooperation Across New Walls in Europe" (ECC Room 1)

- Stability of energy networks within Europe
- The sector coupling between power and gas - a new optimization opportunity
- BREXIT - the consequences for the European internal market
- Improved flexibility with hub cooperations or mergers



Keynote Speech

**Stephan Kamphues**, Member of the Board of Management, Open Grid Europe, Germany / President, ENTSOG - European Network of Transmission System Operators for Gas, Belgium

11:00-12:30 Opening Panel Discussion "New Players within Market Areas - New Opportunities for the Energy Customers?" (ECC Room 1)

- "All-electric-world" - a critical path for security of energy
- Improving stability of energy networks with more incentives for the cooperation of gas and power operators
- Security of supply and volatility of renewables - unsolved problems and way forward
- More cooperation, less codes and standards - an operators viewpoint
- Solutions with combined European energy marketplaces - only a dream



Session Chair

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



Panelist

**Arno Bux**, CCO, Fluxys, Belgium



Panelist

**Stephan Kamphues**, Member of the Board of Management, Open Grid Europe, Germany / President, ENTSOG - European Network of Transmission System Operators for Gas, Belgium



Panelist

**Ulrich Lissek**, Head of Corporate Communications and Governmental Relations, Nord Stream 2, Switzerland



Panelist

**Dr. Joachim Pfeiffer**, Economic and Energy Policy Spokesman for the CDU/CSU Parliamentary Group / Member of the German Parliament, Germany

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

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

## TUESDAY, 2 MAY 2017

<p>Session Chair: Frank Dietzsch, Senior Technical Manager Gas Supply, DVGW Deutscher Verein des Gas- und Wasserfaches e.V., Germany</p>	<p>Session Chair: Ulrich Schneider, Business Development Manager Continental Europe, KTN, Norway</p>	<p>Session Chair: Tobias Walk, Director of Projects – Pipeline Systems, ILF Consulting Engineers, Germany</p>	<p>Session Chair: Dr. Klaus Beyer, Executive Director, GSTT, Germany</p>	<p>Session Chair: Dirk Strack, Technical Director, TAL Group (Transalpine Pipeline), Italia/Austria/Germany</p>
<p>14:30-16:30 (ECC Room 1)</p>	<p>14:30-16:30 (ECC Room 2)</p>	<p>14:30-16:30 (ECC Room 3)</p>	<p>14:30-16:30 (ECC Room 4)</p>	<p>14:30-16:30 (ECC Room 5)</p>
<p>Session 1.1 Safety (by DVGW)</p>	<p>Session 2.1 Inline Inspection</p>	<p>Session 3.1 Automation</p>	<p>Session 4.1 Trenchless Construction</p>	<p>Session 5.1 Repair</p>
<p>"Integrated Safety Concept of DVGW in Terms of Statistical Verification of Incidents" <b>Frank Dietzsch</b>, DVGW Deutscher Verein des Gas- und Wasserfaches e.V., Germany</p> <p>"Implementation of the Integrated DVGW Safety Concept at Open Grid Europe" <b>Dr. Michael Steiner</b>, Open Grid Europe GmbH, Germany</p> <p>"BIL - A Shift of Paradigm for Construction Inquiries" <b>Jens Focke</b>, BIL eG, Germany</p> <p>"Pipeline Security – Public Awareness and Mitigation of Third Party Accidents as a new Layer of Protection for the Critical Infrastructure Gas" <b>Prof. Dr. Jürgen Schmidt</b>, CSE Center of Safety Excellence, Germany</p>	<p>"Strain Based Assessment of Wrinkles" <b>Christopher Holliday</b>, ROSEN Group, United Kingdom</p> <p>"In Line Inspection of Axial Strain, Technique, Case Studies and Best Practices" <b>Dennis Janda</b>, Baker Hughes, United States</p> <p>"Using Acoustic Resonance for the In Line Inspection of Pipelines" <b>Willem Vos</b>, Halfwave AS, Norway</p> <p>"Better Data: Methodologies and Best-Practices for Achieving Higher Quality Inspection Results" <b>Ron Maurier</b>, Quest Integrity, United States</p>	<p>"State-of-the-art Alarm Management" <b>Konrad Drebingner</b>, Siemens AG, Germany</p> <p>"Object oriented implementation &amp; maintenance of pipeline SCADA and Applications" <b>Martin te Lintelo</b>, Yokogawa Europe BV, Netherlands</p> <p>"Meter Factor Selection using a Multinomial Figure of Merit Algorithm" <b>Dr. Craig Eichelkraut</b>, General Electric Company Grid Solutions, United States</p>	<p>"New trenchless technology for small diameters and long drives and its use in underground cable installation" <b>Michael Lubberger</b>, Herrenknecht AG, Germany</p> <p>"Trenchless Installation with Polyamid 12 - the new protection for pipes" <b>Markus Hartmann</b>, EVONIK Resource Efficiency GmbH, Germany</p> <p>"Pipe Ramming machines for HDD Assist &amp; Rescue ensuring smoothly running pipeline jobsites." <b>Dr. Hans-Joachim Bayer</b>, TRACTO-TECHNIK GmbH &amp; Co. KG, Germany</p>	<p>"Repairing Defects on Pipelines" <b>Markus Rieder</b>, TÜV SÜD Industrie Service GmbH, Germany</p> <p>"High efficient method to save the gas losses during maintenance process" <b>Jochen Pernsteiner</b>, Leobersdorfer Maschinenfabrik GmbH, Austria</p> <p>"Innovation in 3D scanning technology and software is pushing the limits of complex corrosion and mechanical damage assessment on pipelines." <b>Christophe Piron</b>, Creiform, France</p> <p>"AC Interference Case Study: Predicting effects and mitigating risks to pipelines with close proximity to wind power feeder and transmission line networks" <b>Joey Gallant</b>, Corpro Companies Europe Limited, United Kingdom</p>



16:30-19:00 Get-together Party in the Exhibition Hall (Sponsored by ROSEN Group) (see page 12)




## WEDNESDAY, 3 MAY 2017

Session Chair: Asle Venas, Global Director Pipelines, DNV GL, Norway	Session Chair: Ulrich Schneider, Business Development Manager Continental Europe, KTN, Norway	Session Chair: Dr. Axel Scherello, Project Leader, Open Grid Europe, Germany	Session Chair: Michael Kessel, Engineering - Gas Infrastructure, Uniper, Germany	Session Chair: Dr. Horstgünter Schulz, Pipeline Consulting, Germany
09:00-10:30 (ECC Room 1)	09:00-10:30 (ECC Room 2)	09:00-10:30 (ECC Room 3)	09:00-10:30 (ECC Room 4)	09:00-10:30 (ECC Room 5)
Session 1.2 Offshore Technologies	Session 2.2 Inline Inspection	Session 3.2 Leak Detection	Session 4.2 Construction	Session 5.2 Decommissioning
"Live Repair of Offshore Pipelines" <b>Asle Venas</b> , DNV GL, Norway	"Sizing Crack Indications from Ultrasonic ILL: Challenges and Options" <b>Herbert Willems</b> , NDT Global GmbH & Co. KG, Germany	"AGIFAMOR – Application of distributed acoustic and fibre optic sensors for continuous monitoring of pipes" <b>Dr. Franziska Baensch</b> , BAM Bundesanstalt für Materialforschung und -prüfung, Germany	"Case Study of New Technologies Utilized for Pipeline Construction Project in China" <b>Zhang Wenwei</b> , China Petroleum Pipeline Engineering Co., Ltd., China	"Platform Decommissioning: Case Studies in Pipeline Network Reconfiguration" <b>Henning Bø</b> , TDW Offshore Services AS, Norway
"Innovative Repair Solutions for Piping, Pipeline and Riser" <b>Rosman Arifin</b> , PETRONAS, Malaysia	"SCC in Ethylene Glycol Pipelines Investigation" <b>Hamad Ayyad Al-Dahmashi</b> , SABIC, Saudi Arabia	"Pipeline Leak Detection - New improvements in leak detection and localisation with pigs" <b>Rene Landstorfer</b> , GOTTSBERG Leak Detection GmbH & Co. KG, Germany	"Analysis of Temporary Wooden Cribbing Blocks for Pipe Support" <b>Dr. Diego D'Alberto</b> , Saipem, Italy	"Comprehensive approach to the decommissioning of oil pipelines" <b>Ales Crha</b> , CEPS a.s., Czech Republic
"Study of Subsea Pipeline Rehabilitation Strategy in Mature Field by Using Infield Liner Method for Capex And Opex Optimization" <b>Hanto Yananto</b> , PT Pertamina Hulu Energi Offshore North West Java, Indonesia	"Techniques for the Enhanced Assessment of Pipelines" <b>Derek Balmer</b> , PII Pipeline Solutions, United Kingdom	"A Review on Acoustical Leak Detection Systems based on Four Criteria in API RP 1130" <b>David Wee Yang Khoo</b> , National Metrology Centre (NMC), Agency for Science Technology and Research (A*STAR), Singapore	"Internal Pipe Bending – A chance for higher pipeline efficiency" <b>Oliver Baum</b> , isobend GmbH, Germany	

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

Session Chair: Asle Venas, Global Director Pipelines, DNV GL, Norway	Session Chair: Markus Seitz, Integrity Engineer, APA Group, Australia	Session Chair: Dr. Axel Scherello, Project Leader, Open Grid Europe, Germany	Session Chair: Michael Kessel, Engineering - Gas Infrastructure, Uniper, Germany	Session Chair: Michael Schad, Director Sales Pipelines International, Denso, Germany
11:30-13:00 (ECC Room 1)	11:30-13:00 (ECC Room 2)	11:30-13:00 (ECC Room 3)	11:30-13:00 (ECC Room 4)	11:30-13:00 (ECC Room 5)
Session 1.3 Offshore Technologies	Session 2.3 Integrity Management	Session 3.3 Leak Detection	Session 4.3 Construction	Session 5.3 Composite Repair
"Risk Reduction of Dropped Objects on Pipelines around Offshore Platforms" <b>Henning Bø</b> , TDW Offshore Services AS, Norway	"Development of Flexible QRA Within a GIS Environment" <b>Andrew Doyle</b> , ROSEN Group, Germany	"Wireless Portable LDS for Theft Detection" <b>Dr. Soonho Jeong</b> , Daehan Oil Pipeline Corporation, South Korea	"Managing Risks in Construction Projects" <b>Dr. Nicolai Ritter</b> , CMS Hasche Sigle, Germany	"Testing of Composite Repairs according to ISO & ASME standard and beyond" <b>Jens Schoene</b> , Henkel AG Co KGaA, Germany
"Geohazards and geotechnics at the "grey zones" of landfall areas" <b>Dr. Andreas Antoniou</b> , NTUA (National Technical University of Athens), Greece	"Today's challenges running integrity and risk management for pipelines" <b>Dr. Stephan Knoblauch</b> , GEOMAGIC GmbH, Germany	"Technology meets nature, A unique approach for optimized pipeline monitoring and leak detection" <b>Cindy Verhoeven</b> , The Sniffers, Belgium	"Automated sub-water surveys in shallow water environments" <b>Lothar Kreutzwald</b> , P-Systems Pipeline Services GmbH, Germany	"Composite Repairs – Their Application for the Long Term Reinforcement of Mechanical Damage to High Pressure Pipelines within Europe" <b>James Knights</b> , Clock Spring Company, L.P., United States
"Ultra-deep Water Gas Pipelines, Collapse and Consequences" <b>Hossein Pirzad</b> , Heriot-Watt University, Norway	"Smart Pipelines - Benefits of IoT technologies for Pipeline Operations" <b>Serhii Kononov</b> , Cisco Systems, United States	"Natural Gas Distribution Integrity Management Using Advanced Mobile Methane Detection Technology and Data Analytics" <b>Andre Bals</b> , Picarro, Inc., United States	"Domino effects in pipeline corridors" <b>Gerald Laheij</b> , RIVM, Netherlands	"Finite Element Analysis and Full Scale Testing of Composite Repairs on Wrinkle Bends in Pipelines" <b>Timothy Mally</b> , Citadel Technologies, United States

13:00-14:30 Lunch Break in the Exhibition Hall

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



## WEDNESDAY, 3 MAY 2017

Session Chair: Ulrich Adriany, Oil&Gas Program Management Lead Europe, ARCADIS Deutschland, Germany	Session Chair: Markus Seitz, Integrity Engineer, APA Group, Australia	Session Chair: Dr. Axel Scherello, Project Leader, Open Grid Europe, Germany	Session Chair: Dr. Andreas Antoniou, Lecturer, National Technical University of Athens, Greece	Session Chair: Michael Schad, Director Sales Pipelines International, Denso, Germany
14:30-16:30 (ECC Room 1)	14:30-16:30 (ECC Room 2)	14:30-16:30 (ECC Room 3)	14:30-16:30 (ECC Room 4)	14:30-16:30 (ECC Room 5)
Session 1.4 Standards & Regulations	Session 2.4 Integrity Management	Session 3.4 Leak Detection	Session 4.4 Planning & Design	Session 5.4 Coating
<p>"Statutory Aspects of a Pipeline Landfall in Germany - The Role of the Technical Expert among various overlapping Rules and local German Regulations using the example of the Nord Stream 2 Project" <b>Florian Dinauer</b>, DNV GL, Germanischer Lloyd Industrial Services GmbH, Germany</p> <p>"How New Regulations in North America are Changing Pipeline Standards" <b>Nichole Killingsworth</b>, BSD Consulting, Inc., United States</p> <p>"Pipeline Open Data Standard (PODS) Next Generation" <b>Peter Veenstra</b>, TRC, United States</p> <p>"MFL Data Standardization" <b>Dr. Baocang Jia</b>, China Petroleum Pipeline Bureau, China</p>	<p>"Avoiding Future Pipeline Failures by Detecting, Identifying, and Prioritizing Mechanical Damage" <b>Mike Kirkwood</b>, T.D. Williamson, United States</p> <p>"Practical guidelines to mitigate flow induced failures" <b>Eddie Achterkamp</b>, DNV GL, Netherlands</p> <p>"Risk Based Pipeline Integrity Management - A Case Study" <b>Derek Balmer</b>, PII Pipeline Solutions, United Kingdom</p> <p>"The application of pipeline DNA assessment in Europe" <b>Matthew Hadden</b>, ROSEN Integrity Solutions, United Kingdom</p>	<p>"Test methods for internal leak detection systems" <b>Daniel Vogt</b>, KROHNE, Germany</p> <p>"Pipeline leak detection system and Safety" <b>Peter Sieber</b>, HIMA, Germany</p> <p>"DAS (Distributed Acoustic Sensing) - Pipeline Monitoring and the Blue Color of the Sky" <b>Maria Pimentel</b>, ILF Consulting Engineers, Germany</p> <p>"Study on the cause of the water leakage accident in the high-pressure pipeline system for farmland irrigation" <b>Dr. Yoshikazu Tanaka</b>, NARO Institute for rural engineering, Japan</p>	<p>"Pipeline safety - Protection against lightning related disturbances" <b>Manfred Kienlein</b>, DEHN + SOEHNE GmbH + Co.KG., Germany</p> <p>"Geohazard assessment and seismic design of compressor stations" <b>Dr. Prodromos Psarropoulos</b>, National Technical University of Athens, Greece</p> <p>"Dynamic Detail Design Mapping for Pipeline Construction through GIS Technology using in-house developed toolbox - TAP Case Study" <b>Evangelia Gioti &amp; Panagiotis Keramitzis</b>, ASPROFOS Engineering SA, Greece</p> <p>"Fracture Propagation Prevention on CO2 pipelines: Full Scale Experimental Testing and Verification Approach" <b>Massimo Di Biagio</b>, Centro Sviluppo Materiali S.p.A., Italy</p>	<p>"High performance Coatings for Horizontal Directional Drilling (HDD)" <b>Dr. Thomas Löffler</b>, Denso GmbH, Germany</p> <p>"An experimental study on the failure of three-layer polyethylene (3LPE) coating on pipelines" <b>Dr. Ali Golar</b>, NIGC, Iran</p> <p>"Attaining lasting Corrosion Prevention for the lifetime of the asset" <b>Dinko Cudic</b>, Seal For Life Industries, The Netherlands</p> <p>"Case study of an integrated solution for the thermal management of an onshore pipeline" <b>Dr. Patrizio Sala</b>, Shawcor, Italy</p>

16:30-17:30 Coffee Break in the Exhibition Hall



from 18:00 Dinner Invitation "Water Pump Station Berlin + Berlin Sightseeing Tour" (see page 12)

## THURSDAY, 4 MAY 2017

Session Chair: Dennis Fandrich, Director Conference, EITEP Institute, Germany

09:00-10:30 Plenary Session "World Pipeline Outlook" (ECC Room 1)

"The IMPACT Report Breaks New Ground in the Study of Corrosion Management"  
**Prof. Dr. Thomas L. Ladwein**, Director, NACE European Area, Germany

"How to Make a Major Pipeline Project Bankable – Case Study TAPI Pipeline"  
**Dr. Stefan Bürkle**, Managing Director, ILF Consulting Engineers, Germany

"Greenhouse Gas (GHG) Intensity of Natural Gas Transport"  
**Manfred Russ**, Senior Consultant, thinkstep AG, Germany

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

11:00-12:30 Closing Panel Discussion "Safety and Communication" (ECC Room 1)



Session Chair

**Asle Venas**, Global Pipeline Director, DNV GL, Norway



Panelist

**Michael Bellamy**, CEO, GE PII, United Kingdom



Panelist

**Erik Cornelissen**, Executive Vice President - Business Collaboration, ROSEN Group, Switzerland



Panelist

**Brigham McCown**, Chairman and CEO, Nouveau, United States / Founder, Alliance for Innovation and Infrastructure (Aii), United States



Panelist

**Prof. Dr. Jürgen Schmidt**, CEO, CSE Center of Safety Excellence, Germany



Panelist

**Dirk Strack**, Technical Director, TAL Group (Transalpine Pipeline), Italia/Austria/Germany

12:30-12:40 Closing Remarks (ECC Room 1)



Closing Remarks

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

12:40-14:00 Closing Lunch Break in the Exhibition Hall

14:00-15:45 Post-Conference Workshops (see page 13)

# SCIENTIFIC ADVANCES POSTER SESSION

TUESDAY, 2 MAY 2017, 14:00-14:30 + WEDNESDAY, 3 MAY 2017, 14:00-14:30 (WITHIN THE EXHIBITION)

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

"Study of fuel transportation polychloroprene pipes degradation. Proposal of a characteristic stress endurance model"  
**Dr. Ayache Amar**, Algerian Petroleum Institute, Algeria

"A Microscopy Study of Relined Small-Diameter Pipes with Polymeric Coatings"  
**Parastou Kharazmi**, KTH Stockholm, Sweden

"HAZ Properties of Nb containing high strength pipeline steels"  
**Dr. Jörg Wiebe**, Salzgitter Mannesmann Forschung GmbH, Germany

"Thermodynamic Analysis of Natural Gas Flow Passing through Pressure Reduction Stations (CGS) Regulators with computational fluid dynamic (CFD)"  
**Ehsan Hakimi**, NIGC, Iran

"Alternating Current Field Measurement Inducer Design for ILI of Pipelines"  
**Dr. Wenpei Zheng**, China University of Petroleum, Beijing, China

"Modeling of shared infrastructure system deployment in Florianopolis Metropolitan Area - Infravias System."  
**Dr. Aloisio Pereira Da Silva**, Federal University of Santa Catarina, Brazil

"Finite element analysis of operating buried pipelines subjected to strike-slip fault movement"  
**Gersena Banushi**, University of Florence and Technische Universität Braunschweig, Italy

"Ultra-deep Water Gas Pipelines, Collapse and Consequences"  
**Hossein Pirzad**, Heriot-Watt University, Norway

"Numerical Analysis of Incompressible Flow Leakage in Short Pipes"  
**Dr. Yan Zeng**, National Metrology Centre (NMC), Agency for Science Technology and Research (A\*STAR), Singapore

"Rehabilitation of pipelines, an evaluation of technologies"  
**Dr. Jojanneke van Vossen**, KWR Watercycle Research Institute, Netherlands

# SOCIAL PROGRAM

## GET TOGETHER PARTY

TUESDAY, 2 MAY, 16:30  
EXHIBITION AREA

SPONSORED BY **ROSEN**  
empowered by technology

### BACKGROUND

On the evening of conference day 1 the traditional "Pipeline Technology Conference Get-together" 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 while being entertained by live-music.

### PARTICIPANTS

All delegates, exhibitors and sponsors of the 12th Pipeline Technology Conference.  
Dress code: Business casual



## DINNER INVITATION

WEDNESDAY, 3 MAY, 18:00  
WATER PUMP STATION BERLIN  
+ BERLIN SIGHTSEEING TOUR

### BACKGROUND

Busses for the Wasserwerk Berlin-Wilmersdorf (Water Pump Station Berlin) will depart from Estrel Hotel at 18:00. The Wasserwerk is a 100-year old pumping station. With its listed facade and industrial designed pumping machines (2 Borsig piston pumps of 1928 as well as four centrifugal pumps with an electrical drive on tow additional with diesel engines) it creates an extraordinary event location. The participants will enjoy a classy buffet in a unique industrial setup and a "flying saxophonist". Busses returning to the Estel Hotel will depart from 22:00. On their way back the participants will get some insights into Berlin by night during a bus sightseeing tour through both historic and modern Berlin.

### PARTICIPANTS

All pre-registered delegates, exhibitors and sponsors of the 12th Pipeline Technology Conference and invited guests from governmental bodies. Registered ptc delegates might take along their spouse/partner at an extra charge of 50 €. Dress code: Smart casual



# POST-CONFERENCE WORKSHOP

THURSDAY, 4 MAY 2016, 14:00- 16:30, ROOM LYON, ESTREL, BERLIN

## PIPELINE LEAK DETECTION

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



## AGENDA

14:00 – 15:00 Basics of pipeline leak detection

The first part of the workshop describes the basics of pipeline leak detection: different systems and models, technical limitations and possibilities, methods to eliminate false alarms to almost zero. Examples of integrating the system into different SCADA architectures is part of the seminar as well as international rules and standards.

15:30 – 16:30 Application related information

In the second part pipeline details from previous projects as well as from attendees of the workshop will be used to explain their effects on the leak detection system. Different concepts will be introduced to overcome potential problems while keeping the focus on a maximum benefit at minimum costs.

16:30 End of training / Discussion

## REGISTRATION

If you wish to participate in this free workshop, please register yourself at the KROHNE exhibition booth #60 during the Pipeline Technology Conference

# SEMINARS

FRIDAY, 5 MAY 2017 - SATURDAY, 6 MAY 2017, 09:00-17:00, ROOM 30241, ESTREL, BERLIN



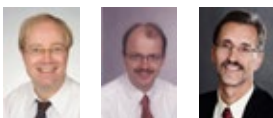
The course will provide an in-depth introduction into the subject and importance of pipeline inspection and integrity management. Delegates will learn about the need for pipeline inspection and the use of inspection for the analysis of the pipelines integrity and fitness-for-purpose.

The course will introduce the flaws and anomalies observed in pipelines. Suitable external and internal inspection technologies will be introduced including the strength and weaknesses of the non-destructive testing principles applied.

The material cover details on a pipeline inspection operation, including pipeline preparation, cleaning, gauging.

Final Reports, Reporting Formats are discussed. The course also includes a short introduction into integrity assessment.

Lecturers: Dr. Michael Beller, Dr. Konrad Reber, Ulrich Schneider



The course will provide an indepth introduction into the subject and importance of Onshore and Offshore Geohazards and Geotechnics during the stages of evaluation, design, construction and operation of a pipeline.

Delegates will learn about the need for Geohazard Assessment and Geotechnical Engineering in relation to the route selection and the pipeline integrity. Additionally, potential protection/mitigation measures and/or monitoring techniques will be presented.

The main disciplines that will be presented during the course are Engineering Geology, Soil Mechanics, and Rock Mechanics, while special emphasis will be given on Slope Instabilities and Soil-Structure Interaction.

Since many countries worldwide are characterized by moderate or high seismicity, the course will also introduce the topics of Geotechnical Earthquake Engineering and Pipeline Seismic Design.

Lecturers: Dr. Andreas Antoniou, Dr. Prodromos Psarropoulos



## SPECIAL PRICE FOR PTC DELEGATES

- Each 2-days seminar 1,300 Euro + VAT only (incl. seminar documentation, catering, dinner invitation, certificate)
- Registration Deadline: 31 March 2017
- Visit [www.pipeline-conference.com/seminars](http://www.pipeline-conference.com/seminars) for details





# 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 12th ptc will again be a record breaking event.

# OPERATORS

## INCREASING SHARE

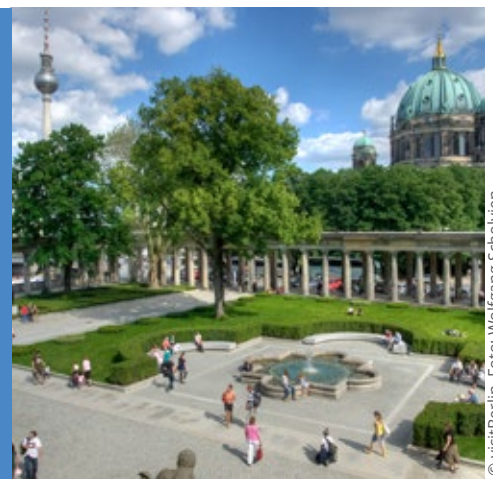
Over the last years the number of delegations from different pipeline operators increased steadily. At the last ptc more than 100 delegates from 50 different national and international pipeline operators came to Berlin.



# 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 2016 delegates from 52 different countries attended the 11th 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.

# EXHIBITOR LIST

(status as of 19 April 2017)

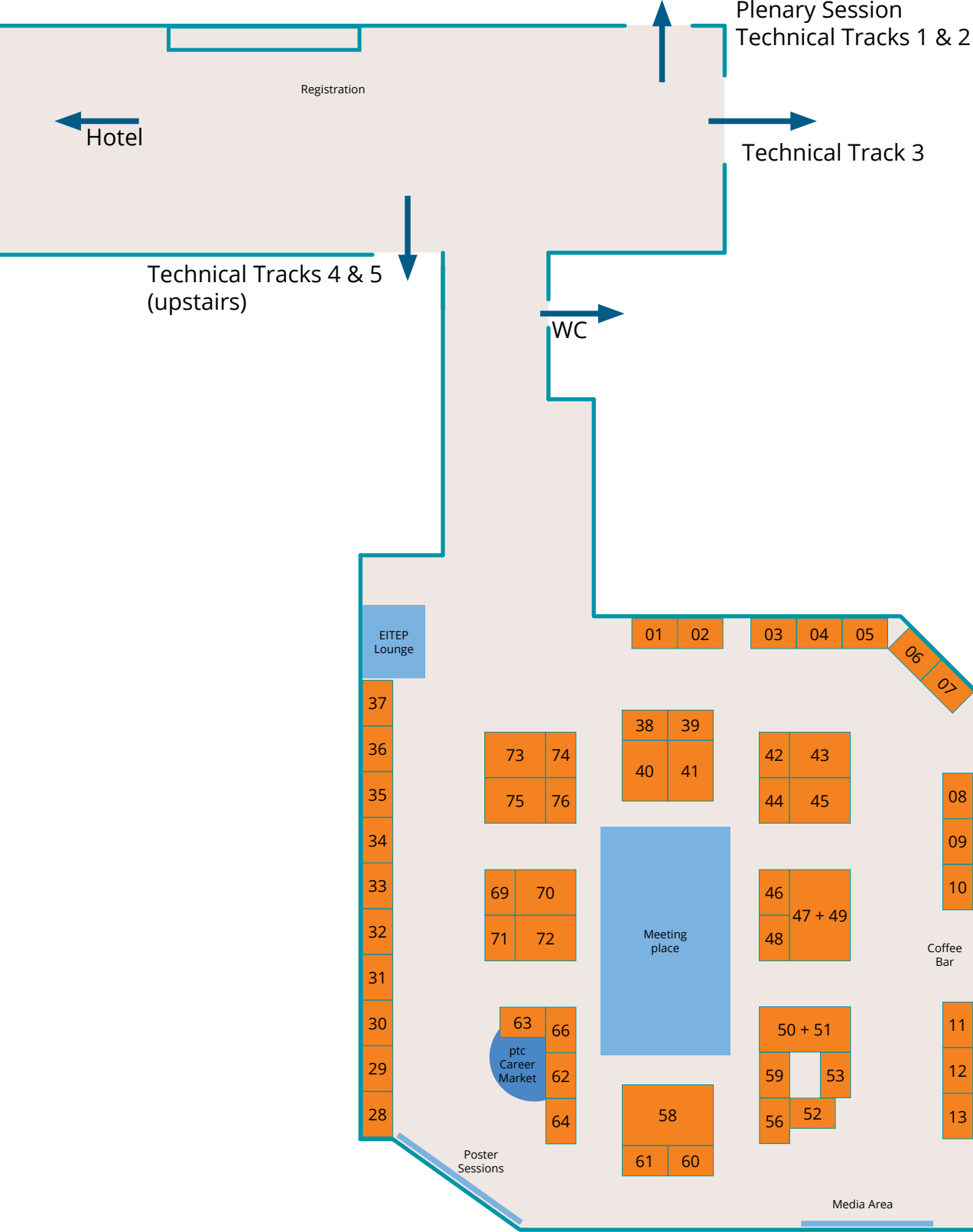
Company	Country	Booth
A.Hak Industrial Services	The Netherlands	42
AMETEK - Division Creaform	Germany	38
Applus RTD Deutschland Inspektionsgesellschaft	Germany	5
Baker Hughes Limited - Process & Pipeline Services (PPS)	United Kingdom	66
BIL eG	Germany	62
BlueFin - GATE Energy	United States	52
Bureau Veritas Germany Holding	Germany	31
Citadel Technologies	United States	12
Clock Spring Company	United States	2
Corrpro Companies Europe Limited (AEGION)	United Kingdom	59
DEHN + SOEHNE	Germany	71
Denso	Germany	11
DIV Deutscher Industrieverlag / Vulkan-Verlag	Germany	13
DNV GL	Norway	76
ECR AG	Switzerland	45
Evonik Resource Efficiency	Germany	35
GOTTSBERG Leak Detection	Germany	48
GSTT	Germany	37
Henkel	Germany	34
Herrenknecht	Germany	36
HIMA Paul Hildebrandt	Germany	73
ILF Consulting Engineers	Germany	40
Institute of Pipeline Monitors	Iran	47+49
Kebulin-gesellschaft Kettler	Germany	8
Krohne Messtechnik	Germany	60
KTN AS	Norway	56
Leobersdorfer Maschinenfabrik	Austria	32
LIN SCAN Advanced Pipelines	United Arab Emirates	75

Company	Country	Booth
Maats Pipeline Equipment	The Netherlands	70
MAX STREICHER	Germany	53
MESSE DÜSSELDORF	Germany	61
Monti - Werkzeuge	Germany	1
MSA Technologies and Enterprise Services	Germany	43
NDT Global	Germany	41
NIASHIMI MFG & TRADING CO.	Iran	47+49
OZ Optics	Canada	74
Padena polymer Co.	Iran	47+49
Pergam Suisse	Switzerland	39
PETRO IT	Ireland	4
PIPE & LINES Service	Austria	9
Polyguard Products INC	United States	64
PPSA - Piggng Products & Services Association	United Kingdom	44
PSI AG	Germany	30
ROSEN Group	Germany	58
Savay	Iran	47+49
Seal for Life	The Netherlands	10
Shawcor	The Netherlands	7
Siemens	Germany	46
STEFFEL CP	Germany	29
T.D. Williamson sprl	Belgium	50+51
TDC International	Switzerland	63
TIB Chemicals	Germany	3
Tracto-Technik	Germany	37
TÜV SÜD Industrie Service	Germany	69
Vacuworx	The Netherlands	33
WG Worldwide Group Germany	Germany	6
Yokogawa Europe	The Netherlands	72





# FLOOR PLAN



# EXHIBITOR PROFILES

Platinum Sponsor



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.

Booth

# 58

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)



## Golden Sponsors

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ILF Consulting Engineers is a 100% independent, fully private owned engineering and consulting company with more than 40 years of experience and ranks among the world's top engineering companies in its core areas of expertise - oil & gas, energy & climate protection, water & environment and transport & structures. ILF provides comprehensive, full-scope services for major industrial and infrastructure projects and combines world class consulting expertise and a broad international background with project-specific know-how and an in-depth understanding of local requirements due to a stable, long-established presence in its markets.

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

Booth  
# 40



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.

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)

Booth  
# 70



NDT Global is a leading supplier of ultrasonic pipeline inspection and pipeline integrity management. The company counts about 500 specialists based in Canada, Germany, Ireland, Malaysia, Mexico, Russia, Singapore, Spain, UAE, USA. Its state-of-the-art inspection fleet provides the entire inline 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. NDT Global operates a range of state-of-the-art in-line inspection tools utilizing ultrasound and magnetic flux leakage technologies delivering high-resolution data.

First Run Success, best data quality and rapid report delivery are 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.

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

Booth  
# 41



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.

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

Booth  
# 50+51

## Golden Sponsors

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Yokogawa is a leading industrial automation company and a pioneer in the development of Integrated Pipeline Management and Safety Systems for the monitoring and control of Transport Pipelines, Grids, off-take points and Terminals. Its comprehensive solutions range from sensors (such as pressure transmitters, flow meters and analyzers) to control systems & software that improves productivity, and services that optimize pipeline lifecycle costs. It's Yokogawa's vision to realize the ideal environment. Therefore, we are developing products, applications and solutions that ensure safety, make maximum use of assets and optimize operations over the entire assets lifecycle, achieving Operational, Maintenance and Safety Excellence. Co-innovating tomorrow!

[www.yokogawa.com/eu](http://www.yokogawa.com/eu)

Booth  
# 72

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## Silver Sponsors



With over 30 years of experience and expert data analysis, Baker Hughes PPS Inspection Services enable you to more confidently manage pipeline integrity threats. Whether your pipeline is onshore or offshore, or if it transports liquid or gas, our in-line inspection (ILI) service technologies help you meet your integrity program objectives.

Our ILI services identify threats, such as cracks, corrosion, mechanical damage, ineffective cathodic protection and stress and strain from construction or due to movement. Our extensive and diverse range of inspection technologies provide you the accurate information you need to most efficiently plan your maintenance programs.

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

Booth  
# 66



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. 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)

Booth  
# 76



GOTTSSBERG 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. With its specialists GOTTSSBERG 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)

Booth  
# 48



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.

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

Booth  
# 46

# Exhibitors

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At A.Hak Industrial Services (better known as HIS) we provide a complete range of integrated solutions to the oil, gas and petrochemical industries around the world. Through our Pipeline, Inspection, Storage Tank and Industrial Service lines, we can assist you in every step of your plant operation.

Booth  
# 42

[www.a-hak-is.com](http://www.a-hak-is.com)

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Aegion combines innovative technologies with market-leading expertise to maintain, rehabilitate and strengthen infrastructure around the world. Since 1971, the Company has played a pioneering role in finding transformational solutions to rehabilitate aging infrastructure, primarily pipelines in the wastewater, water, energy, mining and refining industries.

Booth  
# 59

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

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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&I services all over the world, standard as well as tailor-made, and qualified employees to ensure the quality and profitability of your assets.

Booth  
# 5

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

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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.

Booth  
# 62

[bil-leitungsauskunft.de](http://bil-leitungsauskunft.de)

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BlueFin's Pipeline and Process segment and European partner LTT (Liquid Transfer Technology) focuses on integrity, maintenance and remediation solutions—from commissioning needs to flow assurance challenges. BlueFin's Pipeline and Process segment focuses on integrity, maintenance and remediation solutions—from commissioning needs to flow assurance challenges.

Booth  
# 52

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

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As a global leader in Testing, Inspection and Certification services, Bureau Veritas serves more than 400,000 companies, delivering a wide range of solutions that go beyond compliance. We have the expertise to improve your productivity and performance; helping to reduce your risks and build a responsible, safe and sustainable business.

Booth  
# 31

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

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CITADEL TECHNOLOGIES is a developer and manufacturer of composite repair systems. Our products include DIAMONDWRAP®, BLACKDIAMOND®, DIAMONDWRAP® HP™, and DIAMONDWRAP® SUBSEA™. An alternative to clamps and replacement, our products of carbon fiber and 100% solid epoxies are used to restore original strength to damaged, corroded and eroded pipelines and pipe systems.

Booth  
# 12

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

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Clock Spring is the leading permanent pipeline repair solution manufacturing a 50 year DOT approved repair system of high strength corrosion resistant composite sleeves that are fast, economical, safe and easy to install requiring no cutting or welding. We also provide the Contour system a custom engineered advanced composite repair for complex geometries and tight clearances.

Booth  
# 2

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

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# Exhibitors

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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 & gas, power generation and aerospace. Creaform solutions offer a significantly shorter measurement time and help streamlining the testing and inspection process of applications.

Booth  
#38

[www.creaform3d.com](http://www.creaform3d.com)

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DEHN, a globally electrotechnical company, offers innovative products and solutions as well as comprehensive services in the field of surge protection, lightning protection and safety equipment. The company's continuous growth is based on more than 100 years of experience as well as highest quality standards and consistent customer and market orientation.

Booth  
# 71

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

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Founded in 1922, we dedicate ourselves since more than 90 years to the field protection of joints and pipelines. Today's core business: Production of real co-extruded 3-ply corrosion prevention tapes, petrolatum tapes, heat shrinkable sleeves, jetty pile protection systems, 2-components polyurethane compounds for pipelines and infrastructures, bitumen profiles as well as innovative sealing technology for infrastructures.

Booth  
# 11

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

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DIV Deutscher Industrieverlag, of Munich, Germany, and Vulkan-Verlag, based in Essen, Germany, are two affiliated media corporations. Following the motto Knowledge for the future they supply expert technical information for engineers, technicians, scientists and management in German and English. Most Books and journals are also available in eBook/ePaper form.

Booth  
# 13

[www.di-verlag.de](http://www.di-verlag.de)

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ECR AG is member of exceet Group which is an international technology group specialized in intelligent electronics and security technology. Our offering ranges from complex embedded electronic modules to security solutions. The exceet Group offers solutions for fast-growing markets such as Aerospace, UAV & ATEX Technology, Body Wearable Electronics and Machine-to-Machine Communication (M2M).

Booth  
# 45

[www.exceet.ch](http://www.exceet.ch)

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Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals. Our high performance polymer VESTAMID® NRG has been tailored to produce large-diameter pipes for the oil and gas industry. Onshore and offshore alike, VESTAMID® NRG prohibits corrosion and external damage, and it replaces heavy steel.

Booth  
# 35

[www.vestamid.de/product/vestamid/en/markets/oil-and-gas-industry/pages/default.aspx](http://www.vestamid.de/product/vestamid/en/markets/oil-and-gas-industry/pages/default.aspx)

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The GSTT promotes ecologically and economically exemplary grave-free building and underground line maintenance of all types.

Booth  
# 37

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

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Henkel - The World's Leading Solution Provider for adhesives, sealants and functional coatings. Under the Loctite brand, Henkel offers a broad range of high-grade bonding, sealing, cleaning and lubricating solutions for the maintenance, repair and overhaul (MRO) sector.

Booth  
# 34

[www.loctite.co.uk/pipe-repair](http://www.loctite.co.uk/pipe-repair)

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# Exhibitors

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Herrenknecht is a technology and market leader in the area of mechanized tunnelling systems. As the only company worldwide, Herrenknecht delivers cutting-edge tunnel boring machines for all ground conditions and in all diameters – ranging from 0.10 to 19 meters.

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

Booth  
# 36

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HIMA, manufacturer of safety-related controller, develops and implements safety hardware and solutions worldwide. As a pipeline specialist we have 25 years of experience in pipeline operations management and control. HIMA has developed FLOWorX, a superior software program for leak detection and localization.

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

Booth  
# 73

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Iran Pipeline Monitoring (IPM) was established as a Professional Conference Organizing Company to hold academic and research conferences, seminars and domestic and international exhibitions aims to play key role in creating relations between governmental and private companies and also (IPM) is a professional executor of printing and distributing of oil and gas pipeline magazine as an authoritative source on the petroleum industry.

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

Booth  
# 47+49

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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 (Kebulen shrink technology).

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

Booth  
# 8

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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.

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

Booth  
# 60

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KTN AS is a technology company that specialises in condition assessments and periodic maintenance of oil and gas pipelines. The company performs work on offshore installations and onshore terminals and process plants internationally. KTN is specially well known for their tethered tool inspection technology for challenging pipelines.

[www.ktn.no](http://www.ktn.no)

Booth  
# 56

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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 & receivers) and provide specialized pipeline cleaning services. LIN SCAN has its corporate office established in United Arab Emirates and its subsidiaries in various countries including Russia, India, Qatar, Sudan, Algeria and Iraq.

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

Booth  
# 75

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LMF is a leading global supplier of compressor systems in the oil-, gas-, chemical- and petrochemical industries. The wide product portfolio covers the power range from 4kW/5hp up to 6000kW/8000hp, discharge pressure up to 700bar/10150psi for air, natural gas, technical and industrial gases (process gases).

[www.LMF.at](http://www.LMF.at)

Booth  
# 32

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# Exhibitors



The pipeline construction sector is an essential core competence – this business sector includes for example pipeline construction, alternative piping systems, water crossings by open and closed construction methods and is supplemented by services like pressure tests, chemical/mechanical cleaning or drying of pipelines as well as caliper pigging and construction of pigs.

Booth  
# 53

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



Messe Düsseldorf, Germany: THE place to be for wire, tube, valve and pump experts in 2018: wire and Tube 16-20 April 2018; VALVE WORLD EXPO, PUMP SUMMIT 27-29 November 2018. Specialists meet at the most important international trade fairs in their fields. Gather specific information on innovations, new products and processes. Welcome to Düsseldorf, Germany.

Booth  
# 61

[www.messe-duesseldorf.com](http://www.messe-duesseldorf.com)



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.

Booth  
# 1

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



MSA has been protecting people and facilities for over 100 years.

We have the widest range of sensing technologies for gas and flame detection: Point Infrared / Open Path Infrared / Photo acoustic Infrared / Catalytic Bead / Metal Oxide Semiconductor / Electro chemical Cell / Ultrasonic/Acoustic / Optical Multi-Spectrum Flame Detection

Booth  
# 43

[www.MSAafety.com/detection](http://www.MSAafety.com/detection)



NIASHIMI MFG & Trading Co. established in 1996 in IRAN as a First manufacturer of cold & hot applied tapes in Middle East, in this regards we've succeeded produce 3Ply Co-Extruded Tapes & heat shrinkable sleeves for joint of pipeline, (trust us & develop the pipeline confidently)

Booth  
# 47+49

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



Established in 1985, OZ Optics Limited is a leading worldwide supplier of fiber optic components, test equipment and sensors. The company offers award-winning fiber optic sensor systems for remote monitoring of oil and gas pipelines, wells, refineries, bridges, dams and other large structures, security fences and for fire detection.

Booth  
# 74

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



Padena polymer Co. is an Iranian global leading manufacturer of high-performance engineering plastic compounds and masterbatches in variety of plastic markets, with the approximate annual capacity of 30,000 MT. In pipeline industries, our special products are polyethylene compound and adhesive used as top-coat and binder in 3-layer steel pipe coating systems.

Booth  
# 47+49

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



Pergam Suisse AG offer products and services to assist owners and operators of natural gas pipelines to locate methane leaks in their pipeline systems. ALMA is an airborne based system targeted at natural gas gathering and transmission line above and underground! SELMA is a vehicle based system targeted at natural gas distribution networks.

Booth  
# 39

[www.pergam-suisse.ch/en](http://www.pergam-suisse.ch/en)



# Exhibitors

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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.

Booth  
# 4

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

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pipe & lines is specialized in all matters of pipeline integrity and rehabilitation – the own developed permanent carbon wrap, for all kind of defects, is till now the first and only permanent (> 100 yers) certified pipeline repair system worldwide. It meets the regulations of "Germanys VdTÜV 1070", API 579-1, ASME PCC2:2008 and DIN CEN ISO/TS 24817.

Booth  
# 9

[www.pipeandlines.at](http://www.pipeandlines.at)

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Polyguard Products is a manufacturer of pipeline coatings since 1953. Our RD-6 has been used in the North American market since 1988 and occupies a significant part of the North American market share. The RD-6 is a one layer, non-shielding coating system, simple and very fast to apply. Polyguard is experiencing unbroken sales expansion since 1992.

Booth  
# 64

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

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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.

Booth  
# 44

[www.ppsa-online.com](http://www.ppsa-online.com)

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PSI supplies the oil, gas and chemical industries with their market-leading pipeline monitoring and leak detection application suite. 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 pipeline simulation technologies. The PSI team provides a full-scope and effective support world-wide.

Booth  
# 30

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

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Savay is specialized in manufacturing of all kinds of pipeline cleaning pigs, polyurethane discs and cups, brushes as well as pipeline repair products such as split sleeve, repair clamps and etc.

Booth  
# 47+49

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

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Seal For Life Industries, part of Berry Plastics Corporation USA, is the name of known companies Anodex, STOPAQ, Polyken, Covalence, and Powercrete, who are engaged in preventing and combating corrosion, water ingress and insulation issues in the broadest possible sense.

Booth  
# 10

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

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Shawcor, the world's leading integrated energy services company with a focus on five core competencies—Pipeline Coating, Welding Inspections, Composite Pipe, Oilfield Asset Management and Cables and Connectors. Shawcor operates 105 manufacturing and service facilities in 20 countries across the globe.

Booth  
# 7

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

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# Exhibitors



Cathodic Protection: complete products and service provider / Developer, producer of: Innovative CP Remote Control Systems, Innovative CP mobile measurement devices ([www.icorrlog.com](http://www.icorrlog.com) (link is external)) and Innovative CP software & apps / CP solutions: Engineering, design, manufacturing & supply, supervision, installation, troubleshooting / CP Studies & Measurements: all CP measurements and stray current and AC interference study & mitigation.

Booth  
# 29

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



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.

Booth  
# 3

[www.tib-chemicals.com](http://www.tib-chemicals.com)



TRACTO-TECHNIK develops and builds machines for the underground installation and trenchless renewal of pipelines including GRUNDORAM pipe ramming machines for the economic installation of open steel pipes as casing or product pipes up to 4000 mm diameter over lengths up to 80 m in soils of the classes 1 - 5 (partly even class 6) without jacking abutments and for HDD Assist & Rescue techniques.

Booth  
# 37

[www.tracto-technik.com](http://www.tracto-technik.com)



TÜV SÜD is an international leading technical service organization. The safety of the pipeline network is ensured by experienced TÜV SÜD experts, who offer services in the field of hydraulic network modeling, optimized pipeline system design, analysis of pressure shock events, status evaluation as well as second and third party engineering. Our experts accompany in the development of modern test methods and products for pipeline inspection. Furthermore they give support by testing and certifying products for bringing these on the market.

Booth  
# 69

[www.tuev-sued.de/is](http://www.tuev-sued.de/is)



Vacuworx is the global leader in innovative vacuum and hydraulic lifting solutions. With standard lifting capacities of 0.75 ton to 25 ton, Vacuworx lifting systems handle virtually all sizes of pipe, plate, slab and precast safely and efficiently. Lift faster, safer and smarter with Vacuworx.

Booth  
# 33

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



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.

Booth  
# 6

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



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ppst@eitep.de



17-19 September 2017, Cairo, Egypt

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



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**H.E. Dr. Mostafa Kamal Madbouli Mohammed**  
Minister of Housing, Utilities and  
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and Technology Transfer

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**PIPELINE TECHNOLOGY CONFERENCE, BERLIN**

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



**PIPE AND SEWER CONFERENCE, BERLIN**

[WWW.PIPEANDSEWER.COM](http://WWW.PIPEANDSEWER.COM)

# GENERAL INFORMATION

## ACCOMMODATION

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

Booking  
Phone: +49 30 6831 0  
[hotel@estrel.com](mailto:hotel@estrel.com)

A limited contingent of rooms is reserved until 30.01.2017 (later reservations might still be possible). Please contact the hotel directly and make your own reservation as soon as possible with reference to "ptc 2017".

Room rates per night \*  
Single Room: 149.00 Euro  
Double Room: 181.00 Euro

\* including breakfast and free wi-fi

The hotel rooms are located within the same building as the Pipeline Technology Conference and exhibition.

## OFFICIAL E-JOURNAL AND NEWSLETTER



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 50,000 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 • Am Listholze 82 • 30177 Hannover • Germany • [www.eitep.de](http://www.eitep.de)



## CONFERENCE MANAGEMENT

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



## VENUE

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



## DELEGATE FEE

820 Euro + VAT (regular, till 31 Mar. 2017)

80 Euro + VAT (student, till 31 Mar. 2017)



## LANGUAGE

English



## OFFICIAL E-JOURNAL AND NEWSLETTER

Pipeline Technology Journal (ptj)

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

Please return form to:  
Fax +49 511 90992 69, Email: ptc@eitep.de

Questions? Contact Mr. Dennis Fandrich on +49 511 90992 22

# EXHIBITOR REGISTRATION

## 12TH PIPELINE TECHNOLOGY CONFERENCE 2017

2-4 May 2017, Estrel Berlin, Berlin, Germany  
Exhibition Stand Booking Form

EXHIBITOR	
Company	
Title / First Name / Last Name	
Position	
Address	
Postcode / City	
Country	
Phone / Fax	
Email	

EQUIPPED STANDARD BOOTH			
<input type="checkbox"/> 6 sqm, 4,200 € + VAT	<input type="checkbox"/> 12 sqm, 7,000 € + VAT	<input type="checkbox"/> 24 sqm, 12,600 € + VAT	_____ sqm, 4,200 € (for 6 sqm) + 2,800€ (per additional 6 sqm unit) + VAT
RAW SPACE			
	<input type="checkbox"/> 12 sqm, 6,200 € + VAT	<input type="checkbox"/> 24 sqm, 11,400 € + VAT	_____ sqm, 6,200 € (for 12 sqm) + 5,200 € (per additional 12 sqm unit) + VAT (min. 12 sqm)

included services: walls\*, 1 table\*, 2 chairs\*, waste paper basket\*, power supply, free Wi-Fi, **3 free-of-charge conference registrations (for your staff and/or invited guests)**, 1/4 page advertisement within conference proceedings, logo + link + profile on conference website, logo + link + profile in conference program, discount on advertisements in "Pipeline Technology Journal", opportunity to publish company news in ptj newsletter and on ptj website (subject to availability) (\* not included in raw space option)

Please choose your preferred stand number(s): \_\_\_\_\_ (first come, first serve)

VAT No. (if applicable): \_\_\_\_\_

Signature

Date

Due to space limitations in the exhibition hall this offer is subject to availability. Once your payment has been received, we will confirm your stand number and begin promoting your company as an exhibitor. Fees are payable after receipt of invoice.

Please return form to:  
 Fax +49 511 90992 69, Email: [ptc@eitep.de](mailto:ptc@eitep.de)  
 or use our online registration [www.pipeline-conference.com](http://www.pipeline-conference.com)  
 Questions? Contact Mr. Dennis Fandrich on +49 511 90992 22

# DELEGATE REGISTRATION

## 12TH PIPELINE TECHNOLOGY CONFERENCE 2017

2-4 May 2017, Estrel Berlin, Berlin, Germany  
 Delegate Registration Form

DELEGATE	
Company	
Title / First Name / Last Name	
Position	
Address	
Postcode / City	
Country	
Phone / Fax	
Email	

	till 31 Dec. 2016	till 31 Mar. 2017	after 31 Mar. 2017
<input type="checkbox"/> Regular	740 Euro + VAT	820 Euro + VAT	920 Euro + VAT
<input type="checkbox"/> Students *	60 Euro + VAT	80 Euro + VAT	100 Euro + VAT

\* please attach certificate of enrolment

<input type="checkbox"/> yes <input type="checkbox"/> no	+50 Euro + VAT	I will take part at the dinner invitation on 3 May
<input type="checkbox"/> yes <input type="checkbox"/> no	+50 Euro + VAT	I would like to take along my spouse/partner to the dinner invitation on 3 May (only available for "Regular" registrations)

### Group packages available on request

Participation fee includes: entrance to conference and exhibition, printed proceedings, lunch, beverages, snacks, ticket for get-together on 2 May

German VAT: 19%

Entry conditions: Payment has to be made before the conference. Conference registrations can be cancelled (in writing only) at a service charge of 100 Euro up to 6 weeks before the event. In case of later cancellation or failure to attend the entire attendance fee will be payable. The registered delegate may nominate a substitute at no additional cost. The organizer reserves the right to amend the program of events if necessary. The delegate acknowledges that photographs and videos taken at the event may be used in future promotional activities.

### PAYMENT METHOD

By bank transfer after receipt of invoice



For credit card payment, please use our registration form at  
[www.pipeline-conference.com/registration](http://www.pipeline-conference.com/registration)

Signature \_\_\_\_\_ Date \_\_\_\_\_



12<sup>TH</sup> PIPELINE TECHNOLOGY CONFERENCE  
2-4 MAY 2017  
ESTREL CONVENTION CENTER, BERLIN, GERMANY  
[WWW.PIPELINE-CONFERENCE.COM](http://WWW.PIPELINE-CONFERENCE.COM)

MARK THE DATE

13<sup>TH</sup> PIPELINE TECHNOLOGY CONFERENCE  
12 - 14 MARCH 2018  
ESTREL CONVENTION CENTER, BERLIN, GERMANY

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