13TH PIPELINE TECHNOLOGY CONFERENCE &
2ND PIPE AND SEWER CONFERENCE

12-14 MARCH 2018, ESTREL CONVENTION CENTER, BERLIN, GERMANY
WELCOME TO THE 13TH PIPELINE TECHNOLOGY CONFERENCE

EUROPE’S LEADING PIPELINE CONFERENCE AND EXHIBITION

FOR THE 2ND TIME IN PARALLEL TO THE NEW "PIPE AND SEWER CONFERENCE"

600+ DELEGATES

70+ EXHIBITORS

50+ DIFFERENT NATIONS

DELEGATIONS FROM 50+ DIFFERENT PIPELINE OPERATORS FROM ALL AROUND THE WORLD
From 12-14 March 2018, Europe’s leading conference and exhibition on high-pressure pipeline systems, the Pipeline Technology Conference, will take place for the 13th time. ptc 2018 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 600 delegates are expected to attend the 13th ptc in Berlin. The conference will be held in parallel to the 2nd “Pipe and Sewer Conference”.

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.

Please take a closer look into this Event Guide and get involved now - reserve your place at the 13th Pipeline Technology Conference & 2nd Pipe and Sewer Conference in Berlin.

Dr. Klaus Ritter  
Pipeline Technology Conference Chairman  
President of EITEP
PTC ADVISORY COMMITTEE

CHAIRMEN

Heinz Watzka, Senior Advisor, EITEP Institute
Dirk Strack, Technical Director, TAL - Deutsche Transalpine Oelleitung

MEMBERS

Ulrich Adriany, Senior Technical Expert, ARCADIS Deutschland
Arthur Braga, Country Manager, ITF Brazil
Dr. Marion Erdelen-Peppler, Secretary General, EPRG - European Pipeline Research Group
Jörg Himmerich, Managing Director / Technical Expert, Dr.-Ing. Veenker Ing.-ges.
Mark David Iden, Director, Government Relations, Floating Leaf
Mike Liepe, Head Business Solution Line O&G Pipelines, Siemens
Brigham McCown, Chairman and CEO, Nouveau
Steffen Paeper, Offshore Engineering, South Stream
Dr. Joachim Rau, Managing Director, DVGW CERT
Michael Schad, Head of Sales International, DENSO
Ulrich Schneider, Business Development Manager Continental Europe, KTN
Carlo Maria Spinelli, Technology Planner, eni gas & power
Bernd Vogel, Head of Network Department, GASCADE Gastransport
Tobias Walk, Director of Projects - Pipeline Systems, ILF Consulting Engineers

Muhammad Sultan Al-Qahtani, General Manager, Pipelines, Saudi Aramco
Filippo Cinelli, Senior Marketing Manager, GE Oil & Gas
Jens Focke, CEO, BIL
Maximilian Hofmann, Managing Director, MAX STREICHER
Dirk Jedziny, Vice President - Head of Cluster Ruhr North, Evonik Industries
Dr. Andreas Liessem, Managing Director, Europipe
Ralf Middelhauve, Head of Central Dept. Process Industrie / Plant Engineering and Operation, TÜV NORD Systems
Dr. Prodromos Psarropoulos, Structural & Geotechnical Engineer, National Technical University of Athens
Uwe Ringel, Managing Director, ONTRAS Gastransport
Dr. Adrian Schaffranietz, Coordinator Government Relations, Nord Stream 2
Guntram Schnottz, Expert / Pipeline, TUV SUD Industrie Service
Anand Kumar Tewari, Executive Director, Indian Oil Corporation
Roger Vogel, Sales Manager - EURA, PII Pipeline Solutions
Herbert Willems, Global ILI Technology Support, NDT Global

Juan Arzuaga, Executive Secretary, IPLOCA
Natalya A. Egorova, Director of the Centre of Innovation Programs, R&D Coordination and Industry Standardization, Transneft R&D
Andreas Haskamp, Pipeline Joint Venture Management, BP Europa SE
Dr. Thomas Hüwener, Managing Director Technical Services, Open Grid Europe
Cliff Johnson, President, PRCI - Pipeline Research Council International
Michael Lubberger, Senior Product Manager Pipeline, BU Utility Tunnelling, Herrenknecht
Prof. Dr. Joachim Müller-Kirchenbauer, Lehrstuhl Energie- und Ressourcenmanagement, Technische Universität Berlin
Frank Rathlev, Manager of Network Operations, Thyssengas
Hermann Rosen, President, ROSEN Group
Prof. Dr. Jürgen Schmidt, Managing Director, CSE Center of Safety Excellence
Markus Seitz, Integrity Engineer, APA Group
Asle Venas, Senior Pipeline Specialist, DNV GL
Paul Waanders, Int. Sales Manager, Maats Pipeline Equipment
Conference Management Dennis Fandrich, Director Conferences, EITEP Institute
DEMOGRAPHY
The ptc community - quick facts

50+ Operators sending delegations
50+ Countries
33% Germany
33% Other Europe
34% Rest of the World
70+ Exhibitors
600+ Delegates

Origin of the ptc delegates

# TIME SCHEDULE

## Monday, 12 March 2018 (09:00 – 18:30)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:00 – 18:30</td>
<td>Welcome Coffee &amp; Registration (Exhibition Hall)</td>
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<td>Opening Ceremony</td>
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<td>Keynote Speech</td>
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<td>Opening Panel Discussion</td>
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<td>“Safety”</td>
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<td>Lunch Break &amp; Poster Session</td>
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<td>09:00 – 18:30</td>
<td>Technical Sessions</td>
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<td>☀ 1.1 Inline Inspection</td>
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<td>☀ 2.1 Cyber Security</td>
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<td>☀ 4.1 Maintenance &amp; Repair</td>
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<td>☀ 5.1 Asset Management</td>
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<tr>
<td>18:30 – 19:30</td>
<td>Get-Together (Exhibition Hall)</td>
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## Tuesday, 13 March 2018 (09:00 – 17:00)

<table>
<thead>
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<tr>
<td>09:00 – 17:00</td>
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<td>☀ 1.2 Challenging Pipelines</td>
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<td>☀ 4.2 Trenchless Technologies</td>
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<td>☀ 5.2 Supply Networks</td>
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<td>17:00 – 18:00</td>
<td>Coffee Break (Exhibition Hall)</td>
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<td>17:00 – 18:00</td>
<td>Reception “Old Berlin”</td>
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<td>(Brauhaus am Alex)</td>
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Wednesday, 14 March 2018 (09:00 – 13:30)

Plenary Session
“Remarkable Projects”
Coffee Breaks
(Exhibition Hall)
Closing Panel Discussion
“Public Perception / Social Acceptance”
Closing Remarks

Lunch Break
(Exhibition Hall)

Wednesday, 14 March 2018 (14:00)

Workshop: Pipeline Leak Detection
Organized and held by KROHNE

Workshop: Hydrogen
Organized and held by DNV-GL

Offers within the Exhibition

Conference Lounge by TDW
Conference lounge with cozy armchairs and tables. This is the spot where the delegates could get a fresh coffee all day long.

Live Stream
It’s no trouble that you were caught up in your conversation - the presentations from a conference room are streamed into the exhibition as live video.

Social Program

Monday, 12 March 2018 (16:30)
Get-together
(Exhibition Hall)
On the evening of day one, the ptc Get-Together-Party takes place within the exhibition hall. All delegates are invited to supper, drinks and a raffle.

Tuesday, 13 March 2018 (19:30)
Reception “Old Berlin”
The highlight of every ptc/PASC is taking place at the second night. All participants are invited to take part in this unique gathering at “Brauhaus am Alex”.

Side Events

15-16 March 2018
EITEP Seminar:
Inspection Technologies for Traditional and Challenging Pipelines
(Estrel Berlin)

EITEP-Seminar:
Risk Assessment and Management in Pipeline Projects subjected to Natural Hazards
(Estrel Berlin)

IPLOCA Novel Construction Initiative Spring Session
for details, see www.iploca.com/novplenarysession

## Conference Program

**Monday, 12 March 2018**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:00-10:00</td>
<td>Registration <em>(Foyer Hall G/D)</em></td>
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<tr>
<td>10:00-10:30</td>
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<td><em>Dr. Klaus Ritter</em>, President, EITEP Institute, Germany</td>
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<td><em>Heinz Watzka</em>, Senior Advisor, EITEP Institute, Germany</td>
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<td><em>Dr. Mustafa Abusalah</em>, Senior Knowledge Management Specialist, CCC - Consolidated Contractors Company, Greece</td>
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<td><em>Olugbenga Adebayo</em>, Head, Pipelines &amp; Flowlines, Shell Nigeria Exploration &amp; Production Company Limited, Nigeria</td>
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<td><em>Tobias Walk</em>, Head of Projects Business Unit – Pipeline Systems, ILF Consulting Engineers, Germany</td>
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<td>12:30-14:30</td>
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<td><strong>+ Scientific Advances Poster Session (14:00-14:30)</strong></td>
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MONDAY, 12 MARCH 2018

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

14:30-16:30 (ECC Room 1)
Session 1.1 Inline Inspection

“RoCorr MFL-A Ultra – Making the Invisible Visible; How pipeline operators benefit from the highest resolution available in inline inspection”
Johannes Spille, Project Manager New Services, ROSEN Group, Germany

“Effect of welding defects on mechanical properties and fatigue life of girth welds of X80 steel pipe”
Lihua Qi, Senior Engineer, Tubular Goods Research Center Of CNPC, China

14:30-16:30 (ECC Room 2)
Session 2.1 Cyber Security

“How To Organize The Cyber Security Of Your Pipeline Management System?”
Martin te Lintelo, Business Development Manager Oil & Gas, Yokogawa Europe, The Netherlands

“Cyber-security aspects of modern pipeline operations”
Stephen Hill, Sales Leader, Honeywell, United Kingdom

“Pipeline Management 4.0 – A New Paradigm for Pipeline Safety and Profitability”
Venkatesh Ramaswamy, Sales Manager HIMA Middle East, HIMA Paul Hildebrandt, Germany

“Best Practices for Cyber-security Diagnosis in Industrial Environments”
Ernesto Landa, Coordinador de Seguridad de la Información, COGA - Compañía Operadora de Gas del Amazonas, Peru

14:30-16:30 (ECC Room 3)
Session 3.1 Materials

“Reduction In Risk From Third Party Damage To LPG Pipelines In India”
S. S. Gupta, General Manager (Inspection), Indian Oil Corporation, India

“Influence Of Processing Parameters On Recrystallization Behavior For API-X70 Steel”
Dr. Abdullah Al-Shahrahani, Lead Scientist, SABIC, Saudi Arabia

“Case Study On Environmental Cracking Resistance Assessment Of Welded Segments Of An Interconnecting Sour Gas Feed Pipeline”
Reza Ghorbani, Head of Corrosion, South Pars Gas Complex, Iran

14:30-16:30 (ECC Room 4)
Session 4.1 Maintenance & Repair

“Emergency Pipeline Repair In Practice- Insight Into Today’s EPRS System”
Rahul Raghukumar, Pipeline Line Engineer, IRM Systems, The Netherlands

“Advanced Methods For Optimization Of Composite Repair Technologies”
Matthew A. Green, Vice President of Technical Services, NRI (Neptune Research, Inc.), United States

14:30-16:30 (ECC Room 5)
Session 5.1 Asset Management

“Application of stochastic aging models to increase asset value profit for urban infrastructures”
Dr. Robert Stein, Managing Director, S&P Consult, Germany

“Optimizing Your Asset Replacement Strategy”
Huub Roerink, Principal Consultant Oil & Gas, DNV GL, The Netherlands

“Is Water the New Oil? Towards Better Integrity Management Of Water Networks”
Julian Piquemal, Specialist Engineer, Bureau Veritas, Germany

“Wastewater Resilience Planning”
Timothy Monahan, Project Manager, SRT Consultants, United States

16:30-18:30 Get-together in the Exhibition Hall sponsored by ROSEN Group & KROHNE
TUESDAY, 13 MARCH 2018

Session Chair: Ulrich Schneider, Business Development Manager, KTN, Norway
09:00-10:15 (ECC Room 1)
Session 1.2 Challenging Pipelines
"Inspection Of Challenging Pipelines - Latest Developments And Case Studies" Ulrich Schneider, Business Development Manager, KTN, Norway
"Improvements of an inspection technique for unpipeable pipe line diagnostics from above ground" Mark Glinka, Managing Director, Electromagnetic Pipeline Testing, Germany
"Increased safety against dangerous gas leaks by means of laser and ultrasonic technology" Martin T. Olesen, Development Manager, International FGFD, MSA Technologies and Enterprise Services, Germany

Session Chair: Dirk Strack, Technical Director, TAL - Deutsche Transalpine Oelleitung, Germany
09:00-10:15 (ECC Room 2)
Session 2.2 Operational Improvements
"Nonintrusive Pipeline Internal Deposition Mapping Service Provides Insight To Operators" Keith Drummmond, Region Technical Sales Manager - Pipeline & Process Services - Europe & Sub-Saharan Africa, Halliburton, United Kingdom
"An Investigation Into How To Optimize The Effect Of Drag Reducing Agents On The Flowrate And Pressure In Single Phase Fluid Pipelines" Ahmad Mamoun Y. Naffa’a, Engineer, Saudi Aramco, Saudi Arabia

Session Chair: Dr. Marion Erdelen-Peppler, Secretary General, EPRG - European Pipeline Research Group, Germany
09:00-10:15 (ECC Room 3)
Session 3.2 Materials
"Complex Research Of Metal Properties Of Long-Lived Pipes Of The Main And Technological Pipelines" Sergei Skroodomuy, Senior researcher, The Pipeline Transport Institute (PTI, LLC), Russia
"Volume Loss, A New Parameter In Assessment Of Remaining Strength Of Piping Corroded Steel Pipes" Mojtaba Mokhtari, PhD Researcher, University of Newcastle, Australia

Session Chair: Dr. Klaus Beyer, Executive Director, GSTT, Germany
09:00-10:15 (ECC Room 4)
Session 4.2 Trenchless Technologies
"Innovative Trenchless Solutions For Pipeline Crossings And Landfalls" Diana Rennkamp, Product Manager Pipeline, Herrenknecht, Germany
"Defining the Limits Of Application Of Directional Drilling Technology During Construction Of Pipeline Underwater Crossings" Dmitry Shatalov, Deputy Head of Laboratory of Linear Part and Underwater Passages, The Pipeline Transport Institute (PTI, LLC), Russia

Session Chair: Dr. Horst-günter Schulz, Pipeline Consulting, Germany
09:00-10:15 (ECC Room 5)
Session 5.2 Supply Networks
"Interconnectivity And Traceability Applied To Continuous Methane Emissions Monitoring In The Gas Industry" Alan Vidal, Managing Director, GAZOMAT, United States
"The Countermeasure Method And The Monitoring Of Fatigue Failure Of Irrigation Pipelines" Yoshikazu Tanaka, Senior Researcher, National Agriculture and Food Research Organization, Japan

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

Session Chair: Ulrich Adriany, Senior Technical Expert, ARCADIS Deutschland, Germany
11:15-12:30 (ECC Room 1)
Session 1.3 Integrity Management
"Data-Driven Approaches To Pipeline Cleaning" Otto Kiusinen, Project Manager, Sales Manager, ROSEN Group, Germany
"Condition Assessment For Optimising Gasunie’s Network Improvement Program (GNIP)" Karen van Bloemendaal, Principal Consultant, Asset Integrity Management, DNV GL, The Netherlands
Martin van Agteren, Senior Advisor Asset Management, Gasunie, The Netherlands
"Emergency Response For Colombian Crude Oil Pipeline" Dr. Michael Kasch, Project Manager – Pipeline Systems, ILF Consulting Engineers, Germany

Session Chair: Andreas Antoniou, Senior Research Associate, National Technical University of Athens, Greece
11:15-12:30 (ECC Room 2)
Session 2.3 Environmental Impact
"Geotechnical Monitoring Of Pipelines Located In Difficult Climatic Conditions" Elizaveta Makarycheva, Senior Researcher, The Pipeline Transport Institute (PTI, LLC), Russia
"Geohazard Challenges Facing Major Oil And Gas Pipelines In East And North Africa" Dr. Pibrdomos Psarropoulos, Structural & Geotechnical Engineer, National Technical University of Athens, Greece
"Concept Of Designing Lightning Protection Systems In Hazardous Areas - Advantage Of 3D Planning Tools" Manfred Kienlein, Global Account Manager Process Industry, DEHN + SÖHNE, Germany

Session Chair: Pavol Stajanca, Scientist, BAM Bundesanstalt für Materialforschung und -prüfung, Germany
11:15-12:30 (ECC Room 3)
Session 3.3 Fiber Optic Sensing
"Fiber Optic Pipeline Monitoring Technology - Perspectives Of New Generation" Konrad Drebinger, Product Manager, Siemens, Austria
"Enhancing Pipeline Integrity with Fiber Optic Sensing" Marco Rettig, Business Development Eastern Europe & Middle East, OptaSense, United Kingdom
"High Fidelity Dynamic Sensing for Pipeline Condition Monitoring" Steven Koles, President & CEO, HI Engineering, Canada

Session Chair: Dr. Bruno Pomare, Technical Director, Specaq, France
11:15-12:30 (ECC Room 4)
Session 4.3 Construction
"Fostering Innovation in the Pipeline Industry" Daniel Guess, Consultant, IPLOCA - International Pipeline & Offshore Contractors Association, Switzerland
"Innovation Management in Construction – Practical Approach" Dr. Mustafa Abusalah, Senior Knowledge Management Specialist, CCC - Consolidated Contractors Company, Greece
"Safer & More Environmentally Friendly Material Handling Solutions Using Vacuum Lifting Technology" Rob Verwilghen, European Business Director, vacuumworx Global, United States

Session Chair: Dr. Horst-günter Schulz, Pipeline Consulting, Germany
11:15-12:30 (ECC Room 5)
Session 5.3 Valves & Fittings
"Pipeline Burst Valve" Kishen Prathivadi, Engineering & Construction Contracts Manager, Sewer Authority Mid-Coastside, United States
"Quality control for PE pipe installations: a comparison of QC methods and an exploration of the challenges and advantages of developing new QC approaches" Dr. Michail Kalloudis, Technical Manager, Impact Solutions, United Kingdom
"Sandwich Pipe Joints: Design Considerations For Deepwater Installation" Ipekchukwu Onyeogiri, PhD Candidate, University of Aberdeen, United Kingdom

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

+ Scientific Advances Poster Session (13:00-13:30)
**TUESDAY, 13 MARCH 2018**

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<th>Session Chair: Dr. Mustafa Abusalah, Senior Knowledge Management Specialist, CCC - Consolidated Contractors Company, Greece</th>
<th>Session Chair: Klaus-Peter Gießler, Pipeline Technology Consultant, Germany</th>
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<tr>
<td>Emad Farahani, Deputy of Supervisor of Corrosion and Inspection Eng. Dep. Pars Oil and Gas Company, Iran</td>
<td>Christian Kassel, Senior Manager, EUROPIPE, Germany</td>
<td>Daniel Vogt, Product Management, KROHNE, The Netherlands</td>
<td>Johannes Brückner, Structural Engineer, Open Grid Europe, Germany</td>
<td>Peggy Zeppen, Head of Central Services, ONTRAS Gastrotransport, Germany</td>
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<tr>
<td>“Asessing Repeat ILLI Data Using Signal-To-Signal Comparison Techniques”</td>
<td>“System pressure test for offshore pipelines - Are there alternatives?”</td>
<td>“Pipeline Safety In Germany - Why The Lines Are So Safe With Regard To Leak Detection”</td>
<td>“Pipeline Construction Equipment - Flexibility Required”</td>
<td>“Getting The New Generation To Choose For Pipelines – And Keep Them! Establishment Of Young Pipeliners Association (YPA) Europe”</td>
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<td>Sarah Jane Dawson, Principal Consultant, Integrity Management, Baker Hughes, A GE company, United Kingdom</td>
<td>Asle Venas, Senior Pipeline Specialist, DNV GL, Norway</td>
<td>Rene Landstorfer, Operations Manager, GÖTTSBERG Leak Detection, Germany</td>
<td>Paul Waanders, Int. Sales Manager, Maats Pipeline Equipment, The Netherlands</td>
<td>Cindy Dirks, Operations Manager / Chair, IRM Systems / Pipeliner Foundation, The Netherlands</td>
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<td>“Steel Pipeline Failure Probability Evaluation Based On In-Line Inspections Results”</td>
<td>“Optimum Design Of Offshore Gas Pipelines Crossing Active Seismic Faults In The Mediterranean Sea”</td>
<td>“Development and Testing of Subsurface monitoring and Oil leak detection system- SubSense LDS”</td>
<td>“Coordinated construction of supply networks in Berlin”</td>
<td>“Where engineers learn to become pipeline engineers - or how to enable job-based-learning”</td>
</tr>
<tr>
<td>Witzk Macej, Manager, Gas Transmission Operator GAZ-SYSTEM, Poland</td>
<td>Andreas Antoniou, Research Associate, National Technical University Of Athens, Greece</td>
<td>Adrian Barica, CEO &amp; CTO, Direct-C, Canada</td>
<td>Ulrike Francke, Head of Wastewater Disposal, Berliner Wasserbetriebe, Germany</td>
<td>Dr. Robert Stein, Managing Director, S&amp;P Consult, Germany</td>
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**15:15-15:45 Coffee Break in the Exhibition Hall**

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<td>Alvaro Ernesto Forero Torres, Asset Integrity Management - Lead Engineer, Bureau Veritas - Technical Center Europe, France</td>
<td>Raja Zahrudinbin Raja Ismail, Principal Engineer (Pipeline Integrity), Petronas, Malaysia</td>
<td>Noe Lucero, Chief Technology Officer, Asel Tech, United States</td>
<td>Nicola Zaccarelli, Scientific Technical Officer, European Commission, Italy</td>
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<td>“Trial Of A Process For The Identification Of Reduced Depth Of Cover On Buried Pipelines”</td>
<td>“Inspecting Pipelines With Discovery®. The World's First Subsea CT Scanner”</td>
<td>“Real-Time Pipeline Monitoring With The Industrial Internet Of Things”</td>
<td>“Hydrogen Infeed To Natural Gas Grid - Overview”</td>
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<td>Paul Ogden, Senior Civil Engineer, National Grid, United Kingdom</td>
<td>Jennifer Briddgen, Integrity Engineer, Traccore, United Kingdom</td>
<td>Murat Ocalan, CEO, Rhediant, United States</td>
<td>Guntram Schnitz, Technical Head of Inspection Body Natural Gas Sector, TÜV SÜD Industrie Service, Germany</td>
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<td>Daniel Finley, Senior Engineer, ROSEN Group, Switzerland</td>
<td>“Deep Water ILLI Tool Development And 5 Years Operational Experience”</td>
<td>“Enhanced Operating Efficiencies And Safety Using The World Of IoT”</td>
<td>“Key Challenges In The Mechanical And Thermal Design Of Insulated Pipeline Lines”</td>
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<td>“Quality control in the passive corrosion protection – the coating inspector”</td>
<td>“Basil Hostage, Business Development And 5 Years Experience”</td>
<td>Alastair Maclachlan, Consultant - Pipelines, Oil and gas, Dashboard Ltd, United Kingdom</td>
<td>Kai Bauerbach, Senior Discipline Engineer, MMEC Mannesmann GmbH, Germany</td>
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<td>Hilmar Jansen, Head of Engineering - Centre of Competence Corrosion Protection, Open Grid Europe, Germany</td>
<td>Ollivier Gillieron, NDT/Inspection Engineer, Total E&amp;P, France</td>
<td>Alvaro Ernesto Forero Torres, Head of Inspection Body (Pipeline Integrity), Petronas, Malaysia</td>
<td>“Real-Time Pipeline Monitoring With The Industrial Internet Of Things”</td>
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<td>“Pipeline Construction Equipment - Flexibility Required”</td>
<td>“Where engineers learn to become pipeline engineers - or how to enable job-based-learning”</td>
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<td>“Key Challenges In The Mechanical And Thermal Design Of Insulated Pipeline Lines”</td>
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<td>Dr. Mustafa Abusalah, Senior Knowledge Management Specialist, CCC - Consolidated Contractors Company, Greece</td>
<td>“Is The Gas N-1 Standard Of The EU Regulation A Good Indicator Of The Security Of Gas Supply Of A Country?”</td>
<td>Nicola Zaccarelli, Scientific Technical Officer, European Commission, Italy</td>
<td>Kai Bauerbach, Senior Discipline Engineer, MMEC Mannesmann GmbH, Germany</td>
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<td>Peggy Zeppen, Head of Central Services, ONTRAS Gastrotransport, Germany</td>
<td>“Getting The New Generation To Choose For Pipelines – And Keep Them! Establishment Of Young Pipeliners Association (YPA) Europe”</td>
<td>“Hydrogen Infeed To Natural Gas Grid - Overview”</td>
<td>“Key Challenges In The Mechanical And Thermal Design Of Insulated Pipeline Lines”</td>
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<td>Cindy Dirks, Operations Manager / Chair, IRM Systems / Pipeliner Foundation, The Netherlands</td>
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**from 19:30: Reception “Old Berlin”**

www.pipeline-conference.com / www.pipeandsewer.com

#ptcBerlin
**WEDNESDAY, 14 MARCH 2018**

**Session Chair:** Dennis Fandrich, Director Conferences, EITEP Institute, Germany

**09:00-10:00 Plenary Session “Remarkable Projects” (ECC Room 1)**

“EUGAL – For a Secure Supply of Natural Gas in Europe”
Bernd Vogel, Technical Director, GASCADE Gastransport, Germany

“Restructuring of the Mexican gas supply: CENAGAS’ Pipeline Integrity Management Plan”
Juan Enrique Gonzalez Azuara, Head of the Transportation and Storage Division, National Control Center for Natural Gas (CENAGAS), Mexico

**10:00-10:30 ptc Photo Contest - Award Ceremony (ECC Room 1)**

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

**11:00-12:30 Closing Panel Discussion “Public Perception / Social Acceptance” (ECC Room 1)**

**Session Chair**
Prof. Dr. Marcus Mattis, Managing Director, multi utility consulting, Germany

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

**Panelist**
Dr. Thomas Hüwener, Managing Director Technical Services, Open Grid Europe / Vice President, Gas, DVGW - German Technical and Scientific Association for Gas and Water, Germany

**Panelist**
Asle Venas, Senior Pipeline Specialist, DNV GL, Norway

**Panelist**
Dr. Fritz von Hammerstein, Lawyer and Partner, CMS Hasche Sigle, Germany

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

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

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

**from 14:00 Workshops**

**Workshop: Pipeline Leak Detection**
Organized and held by KROHNE

**Workshop: Hydrogen**
Organized and held by DNV-GL
SCIENTIFIC ADVANCES
POSTER SESSION

MONDAY, 12 MARCH, 14:00-14:30 + TUESDAY, 13 MARCH, 14:00-14:30 (WITHIN THE EXHIBITION HALL)

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

[1] "Application Of Artificial Intelligence Methods On Realtime Laser Backscatter Data"
Richard Vogel, Research Assistant, Technische Universität Chemnitz, Germany

Babak Biuk Afshari, M. Sc. Student, IUST University, Iran

[3] "Frictional Pressure Drop Estimation Of Two-Phase Gas-Liquid Flow In Pipelines"
Zurwa Khan, Research Assistant, Texas A&M University at Qatar, Qatar

[4] "Intelligent Pigging Data Faults Analysis And Its Effect On The PIMS (Case Study: The 40-Inch Iranian Gas Transmission Pipeline - Igat 1)"
Saeid Akbarzade Omran, Pipeline Engineer, Iranian Gas Transmission Company, Iran

Zahra Fereydooni, Master Student, Shiraz University, Iran

Pavol Stajancic, Scientist, Bundesanstalt für Materialforschung und -prüfung, Germany

Aref Rajabi, Student, Azad University of Sari, Iran

[8] "Simulation The Changes In Pressure, Temperature And The Velocity Of Gas In Various Elevations Case Study On Igat-3 In Distance Of Qazvin-Rasht"
Amin Abdali, Master in system analysis, Dispatching-management, National Iranian Gas Company, Iran

[9] "Stress Concentration At Real Complex Pits Of Pressurized Steel Pipes"
Mojtaba Mokhtari, PhD Researcher, University of Newcastle, Australia

[10] "Two Curves Method For Crack Arrest In Pipes Based On CTOA"
Guy Pluvinage, Retired Professor, France

www.pipeline-conference.com / www.pipeandsewer.com
#ptcBerlin
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
KROHNE

In this workshop you will get an overview of the current and future hydrogen value chain and where it could benefit from the existing gas infrastructure, covering the following aspects:
- Role of hydrogen in the energy transition
- Production
- Transport of hydrogen
- End use of hydrogen

In the course of the session, the consequences of these aspects will be explored together with the participants based on a number of practical case studies.

Registration
If you wish to participate in this free workshop, please register yourself using the online registration at www.pipeline-conference.com/workshops/hydrogen or at the DNV GL exhibition booth during the Pipeline Technology Conference.

Target Group
The workshop is aimed at both decision makers and technical experts throughout the whole Hydrogen value chain.

Organizer
DNV·GL
SEMINARS
THURSDAY 15 MARCH 2018 - FRIDAY, 16 MARCH 2018, 09:00-17:00, ESTREL, BERLIN

Inspection Technologies for Traditional and Challenging Pipelines

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

Risk Assessment and Management in Pipeline Projects subjected to Natural Hazards

The course will provide an in-depth 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.

Additionally, potential protection/mitigation measures and monitoring techniques, both related to Risk Management, will be presented.

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

Finally, since many countries worldwide are characterized by moderate or high seismicity, the course will also introduce the topics of Geotechnical Earthquake Engineering, Pipeline Seismic Design, and Strain-Based 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: 15 February 2018
- Visit www.pipeline-conference.com/seminars for details and registration

www.pipeline-conference.com / www.pipeandsewer.com
#ptcBerlin
SOCIAL PROGRAM

GET TOGETHER PARTY
MONDAY, 12 MARCH, 16:30
EXHIBITION AREA

BACKGROUND
On the evening of conference day 1 the traditional 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 event.
Dress code: Business casual

RECEPTION "OLD BERLIN"
TUESDAY, 13 MARCH, 19:30
BRAUHAUS AM ALEX

BACKGROUND
Following our ptc tradition, you have yearly been invited on the 2nd night to a dinner in a special location. According to the wish of many participants, this year we want to give more space to get to know Berlin's reconstructed city centre. Not only does the city boast a rich history, lively arts scene and dynamic culture, it also offers myriad delicacies to help you get a taste of traditional German dishes. We will make sure that you savour Berlin's most famous must eat foods and therefore invite you to the Brauhaus am Alex (Karl-Liebknecht-Str. 13, 10178 Berlin) to a special reception under the motto “Old Berlin” We will serve you several beers brewed in the house - wine and non-alcoholic beverages and traditional dishes are of course also offered. Entertainment is also ensured.

PARTICIPANTS
All pre-registered delegates, exhibitors and sponsors of the event 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
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 largest pipeline conference and exhibition. Since 2012 the EITEP Institute organizes the ptc on its own and moved the event to Berlin in 2014. The 13th ptc will again be a record breaking event.

OPERATORS INCREASING SHARE

Over the last years the number of delegations form different pipeline operators increased steadily. At the last ptc delegations from more than 50 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 37% 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.

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.
FLOOR PLAN
The exhibition hall's current planning status

PTC-SPONSORS
Platinum Sponsors:
• ROSEN Group
• Pipeline Transport Institute
Golden Sponsors:
• ILF Consulting Engineers
• Maats Pipeline Equipment
• NDT Global
Silver Sponsors:
• Gottsberg Leak Detection
• Siemens
• Yokogawa
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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

Initially the idea of the foundation of a research subdivision in PJSC Transneft was based on JSC Giprotruboprovod, where a scientific research department was established. However, with the growing scope of scientific issues needing solutions in the field of pipeline transport of oil and oil products, the Research Institute for the Transport of Oil and Oil Products (Transneft R&D, LLC) was established on September 3rd, 2009.

PTI is not only an institute. Over the years it has become a powerful scientific and technical center; the scientific center of pipeline transport in our country, where current issues are solved in a comprehensive manner and prospective areas of development in the field of oil and oil products transportation are being formed. The activities of the Institute are aimed at developing the scientific, production and technical potential of PJSC Transneft in the spheres of design, construction, operation and repair of trunk pipelines; the performance of research, development and technological works; and the realization of scientific and technical programs.

2015 was a turning point in the history of Transneft R&D when the institute reached a new degree of development. The Institute carried out large-scale works to improve production processes and develop new lines of business, optimize the organizational structure and expenses, attract highly qualified personnel to the institute and improve the system of remuneration. Seven centers and one production-management office were created in accordance with the new organizational structure.

In 2017, the Institute was renamed The Pipeline Transport Institute (PTI, LLC).

en.niitn.transneft.ru
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.

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

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

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.

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
GOTTSBERG 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 GOTTSBERG Leak Detection can look back at nearly 40 years of experience in the field of pipeline integrity.

www.leak-detection.de


www.siemens.com

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, entry and off-take points, and terminals. Yokogawa’s comprehensive solutions range from sensors such as pressure transmitters, flow meters and analyzers, to control & safety systems, software that improves productivity, and services that optimize pipeline lifecycle costs. The vision statement ‘co-innovating tomorrow’ charts our course to the future. Through process co-innovation Yokogawa creates new value with our clients and society as a whole for a brighter future.

www.yokogawa.com
Exhibitors

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.
www.3p-services.com

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.
www.a-hak-is.com

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.
www.creaform3d.com/de

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.
www.Applusrtd.com

Asel-Tech is specialized in providing products and services in the Leak Detection System area. Asel-Tech is a high-tech R&D, engineering, manufacturing, and service company, with focus on the petrochemical, transportation, and automation of pipelines. Asel-Tech manufactures and provides very specialized Leak Detection Systems and Services for different applications.
www.asel-tech.com

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.
www.atmosi.com

AUMA is one of the leading manufacturers of electric actuators, actuator controls and gearboxes for industrial valves. The company has more than 50 years experience in valve automation. AUMA offers wide ranges of electric part-turn and multi-turn actuators. Commissioning, maintenance services and spare part can be offered worldwide.
www.auma.com

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-build information of the operator from adjacent pipeline corridors. All data exchange will be digital and internet based.
bil-leitungsauskunft.de
Exhibitors

As a global leader in quality and safety we offer a big range in testing and inspection services. Moreover we support you in assessment of legislation aspects, evaluation of current condition of pipeline, risk analysis based on threats affecting the asset, specific assessments for supporting systems and calculations and conclusions.

www.bureauveritas.de

Booth # 26

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.

www.cittech.com

Booth # 67

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.

www.clockspring.com

Booth # 18

DEHN+SÖHNE, a globally family-owned electrotechnical company with about 1,700 employees worldwide, 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, highest quality standards and consistent customer and market orientation throughout the world.

www.dehn-international.com/en

Booth # 62

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.

www.denso.de

Booth # 72

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

Booth # 12

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.

www.di-verlag.de

Booth # 9b

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.

www.dnvgl.com

Booth # 8
## Exhibitors

The DVGW has been working for the gas and water industry as an independent and unbiased technical-scientific association since 1859, the objective being to create a basis for the safe and technologically flawless supply of gas and water. The Technical Rules issued by the DVGW form the core of this basis. These rules have been devised by the various DVGW bodies and enjoy quasi-legal status, which at the same time ensures the self-administration of the industry.

**www.dvgw.de / www.dvgw-kongress.de**

<table>
<thead>
<tr>
<th>Booth #</th>
<th>Company Name</th>
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<tr>
<td># 59</td>
<td>EMPIT® GmbH</td>
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<td># 36</td>
<td>IMS Robotics</td>
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**EMPIT® GmbH** has developed a worldwide unique inspection technique which overcomes limitations of ILI and ECDA. The certified technique enables diagnostics of challenging and unpiggyable pipelines from above ground. In only one inspection run, EMPIT detects internal & external pipeline defects, as well as coating damages, and measures the DoC.

**www.empit.com**

**Entegra** marks the next step in ILI evolution with game changing MFL/Caliper technology, ultra-high resolution, a team of world class data analysist and a focus on responsible stewardship. Our years of combined experience facilitates our mission to change the way the industry thinks about ILI and the services that support it.

**www.entegrasolutions.com**

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

**www.gstt.de**

**Herrenknecht** is the 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**

**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**

**IBG Hydro-Tech GmbH** is located in Büdingen (near Frankfurt/Main) in Germany. We have specialized in developing and manufacturing of high-end products that meet the specific requirements of our clients. There is no standard solution for every challenge.

**www.ibg-hydro-tech.de**

**IMS Robotics** is specialized in developing, engineering and manufacturing robots for the sewer rehabilitation, high-pressure water technology and UV-curing systems. This well-rounded product portfolio offers our customers a high level of effectiveness and service. The development and manufacturing of our highly innovative products takes place exclusively in Germany.

**www.ims-robotics.de**
### Exhibitors

<table>
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<tr>
<th>Company Name</th>
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<tr>
<td><strong>The International Pipe Line and Offshore Contractors Association (IPLOCA)</strong> 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.</td>
<td>70</td>
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<tr>
<td><a href="http://www.iploca.com">www.iploca.com</a></td>
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<td>Company founded in 2003 - specialized in trenchless sewer rehabilitation. Technologies: • KA-TE and SAT-milling hydraulic and electrical robot systems • Pipe relining system, UV curing, DN 150 – 1200 • Partlining system, cold curing, DN 80 – 700 • Main to house sewer lining system (rehabilitation from the main sewer (DN 200 – 600) into the lateral pipes (DN 100 – 200) • Planning and engineering</td>
<td>16</td>
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<tr>
<td><a href="http://www.df-ing.com">www.df-ing.com</a></td>
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<td>The Karl Schöngen KG produces pipe systems made of PP- HM, PE- HD and PVC- U. It has offered special pipes and fittings for trenchless sewer renovation for many years. These Concept-HL pipes for trenchless installation are available with integrated joint connections or for welding.</td>
<td>36</td>
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<td><a href="http://www.schoengen.de">www.schoengen.de</a></td>
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<td>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).</td>
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<td><a href="http://www.kebu.de">www.kebu.de</a></td>
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<td>KÖTTER Consulting Engineers is an independent consultancy providing solutions to complex problems across the entire spectrum of sound and vibration. Using measurements and modelling we provide root cause analyses and develop effective solutions to allow sustainable and economic operation of your plant and machinery.</td>
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<td>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.</td>
<td>56</td>
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<tr>
<td><a href="http://www.krohne.com">www.krohne.com</a></td>
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<tr>
<td>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.</td>
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<tr>
<td><a href="http://www.ktn.no">www.ktn.no</a></td>
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<tr>
<td>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 United Arab Emirates and its subsidiaries in various countries including Russia, India, Qatar, Sudan, Algeria and Iraq.</td>
<td>58</td>
</tr>
<tr>
<td><a href="http://www.linscaninspection.com">www.linscaninspection.com</a></td>
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</tbody>
</table>
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.

www.streicher.de

Booth # 51

Metegrity is a software company providing construction quality and asset integrity management systems for pipelines, plants and facilities. With 20 years in business and installations in over 850 facilities, Metegrity proudly serves some of the world’s largest process manufacturing companies.

www.metegrity.com

Booth # 15

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.

www.monti.de

Booth # 2

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

www.MSAsafety.com/detection

Booth # 61

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.

www.optasense.com

Booth # 28

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.

www.pergam-suisse.ch/en

Booth # 6

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.

www.petroit.com

Booth # 7

Phoenix Contact is the worldwide market leader of components, systems and solutions in the area of electrical engineering, electronics and automation. Today, the family-owned company employs 16,500 people worldwide and had a turnover of 2.20 billion euros in 2017. The corporate headquarters is located in Blomberg in Germany.

www.phoenixcontact.de/prozess

Booth # 56
Exhibitors

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.

pipeline-innovations.com/

Booth # 66

Pipesurvey International is a service provider for intelligent pigging and pipeline integrity. Our small and flexible company has set high standards to versatile inspection tools and software. Pipesurvey technology is tailored for the new frontiers of nowadays inspection requirements. This includes application of bi-directional, multi-dimensional, high temperature and low/high flow regime pigging.

www.pipesurveyinternational.com

Booth # 71

Polyguard is the manufacturer of the RD-6 buried pipeline coating system, and proud celebrant of 25 years of unbroken sales expansion. The RD-6 is notable for its far superior adhesion compared to conventional tapes, and the non-shielding properties. Additionally, the one layer application is faster and simpler.

www.polyguard.com

Booth # 52

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.

www.ppsa-online.com

Booth # 69

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.

www.psioilandgas.com

Booth # 64

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.

www.psioilandgas.com

Booth # 29

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.

www.primusline.com/

Booth # 36
Exhibitors

RAM-100 manufactures products for integrity maintenance and pipeline repair. We offer full circumference STEEL SLEEVES, COMPOSITE SLEEVES and TWO-PART EPOXY COATING. Our sleeves are manufactured under ISO9000 certified processes, to match any specification, diameter and length, and comply with international standards and regulations.

www.ram100intl.com

Booth # 4

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.

www.rhc-sa.ch

Booth # 66

ROMSTARGROUP provides Pipeline Inspection services using MFL technology. Large fleet of MFL tools from 4” - 40”. Multichannel Caliper (GEO Tools) with debris mapping capabilities. We are also the leading manufacturer of pipeline cleaning PIGs. We produce the entire range of pipeline cleaning pigs and provide comprehensive pipeline cleaning services for all onshore & offshore oil & gas pipeline.

www.romstargroup.com

Booth # 11

SebaKMT is the world’s leading developer and manufacturer of measurement equipment for diagnosing the condition of networks and locating faults. Solutions in this five areas of our core competencies: • Cable diagnosis • Cable fault location • Leak location • Line & object location • TV inspection of sewers.

www.shawcor.com

Booth # 10

Shawcor delivers a full suite of corrosion protection, mechanical protection, insulation, field joints, weight coating and flow assurance solutions for onshore and offshore pipelines. Combined with our heat shrink sleeves, pipe-protection, transportation and storage products, Shawcor offers end-to-end solutions to protect any pipeline, anywhere in the world.

www.shawcor.com

Booth # 17

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. Already deployed worldwide on over 1200km of pipelines, the technology proved to dramatically reduce the number of Third Party Interferences and their economic and reputational impacts.

www.solaresweb.com

Booth # 49

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 pipeline coatings for pipes and field joints. Our customer base consists of large European utilities, network operators, steel mills, transportation companies, municipalities, and chemical companies.

tdc-int.com

Booth # 41

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.

www.tib-chemicals.com

Booth # 3
Exhibitors

TNO presents the pulsation and vibration software PulsimSuite, a user-friendly tool to check pipe systems connected to reciprocating compressors or pumps for compliance with Standards API 618 and API 674. PulsimSuite checks pulsations, vibrations and cyclic stresses in one software package. With PulsimSuite, avoid pulsation and vibration problems by design!

Pulsim.tno.nl

Booth # 47

TÜV SÜD is an international technical service provider. Our third-party inspection services in the field of hydraulic network modeling, optimized pipeline system design, analysis of pressure shock events, status evaluation and component engineering ensure the safety of pipelines. Furthermore, we support you by testing and certifying products for market launches.

www.tuev-sued.de/is

Booth # 31

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.

www.vacuworx.com

Booth # 30

Vlentec is a global supplier of vacuum (pipe) lifting equipment. 35 years of experience and innovation has led to professional product and service quality with low Total Cost of Ownership. We supply a wide range of vacuum pipe lifters with Electric and Diesel drives.

www.vlentec.com

Booth # 45

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).

www.worldpipelines.com

Booth # 9a

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.

www.worldwidemachinery.com

Booth # 13

Young Pipeline Professionals Europe is currently under establishment and connects new and experienced pipeline professionals. Through educational and social events, we aim to share knowledge and advance the pipeline industry to a safe and sustainable future. YPP Europe is looking for highly motivated young professionals to join and experienced professionals to support.

www.linkedin.com/company/yppuk-young-pipeline-professionals-uk/

Booth # 21

Zwick is a leading manufacturer of metal-seated triple offset butterfly valves known as series TRI-CON, check valves, called TRI-CHECK and TRI-BLOCK, the Double Block & Bleed Design. TRI-CON CRYOGENIC is the series for low temperature applications.

www.zwick-armaturen.de

Booth # 14
ptc brings together decision-makers from all over the world. This is an opportunity to promote your services and innovations and to find new customers, you should not miss.

We offer you various services and additional marketing measures on the following pages. All breaks, lunch and the get-together on Monday evening will take place in the exhibition area of the ptc.

This year there will also be exhibition-only tickets for the first time, which will be used exclusively to visit the exhibition.

As an exhibitor, we encourage you to submit a paper (final placement in the program is subject to review by the advisory committee). Joint presentations between pipeline operators and technology providers are welcome.

As space is limited, we recommend that you book your stand at an early stage (first come, first serve).

**Full Service Booth - 6 sqm**
- Walls, 1 table, 2 chairs, waste paper basket,
- Power supply, free Wi-Fi
- 3 free-of-charge conference-tickets (for your staff and/or guests)
- Quarter page advertisement in the conference proceedings
- Logo & link & profile on conference website and program
- Discount on adverts in the Pipeline Technology Journal

**Raw Space - 12, 18, 24 or 36 sqm**
- Raw space for your individual booth
- Optional: stand construction from our construction company
- Power supply, free Wi-Fi
- 1 free-of-charge conference-ticket & 2 free-of-charge exhibition-only tickets (all for your staff and/or guests)
- Logo & link & profile on conference website and program
- Discount on adverts in the Pipeline Technology Journal

**Special service for ptc exhibitors:**
**Book a meeting room for free!**

Hold private meetings off the show floor with attendees, partners, executives and staff. We offer private meeting rooms right next to the Conference Lounge. You can make your booking in advance (send a request on ptc@eitep.de from now on) or just ask our personnel at the Conference Lounge. Time slots are available on a first-come, first-served basis.
SPONSORSHIP OPPORTUNITIES

Increase worldwide awareness for your organization's products and services and be recognized as key supporter.

The Pipeline Technology Conference 2018 provides a range of three different sponsorship packages. Each sponsor will be included, from the date of booking, in all future marketing measures for ptc 2018.

Your benefits as sponsor:

• Become part of all future ptc marketing activities with your company logo displayed in prominent position (brochures, advertisements, website, banners, etc) from the day of registration.
• Get up to 12 free conference tickets for you and your business partners.
• Get your exhibition stand in a preferred location within the catering/exhibition area.
• Demonstrate your organization’s commitment to latest technology in the pipeline sector.

For further information please contact:
Mr. Dennis Fandrich, Tel +49 511 90992-22, E-mail: ptc@eitep.de
AB Amber Grid, Lithuania
Abu Dhabi Oil Refining Company (TAKREER), 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 MINERACÃO, 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
Elat Ashkelon Pipeline Co., Israel
EPS Ethylen-Pipeline-Sud, Germany
Evonik Technology & Infrastructure, Germany
ExxonMobil, United Kingdom
FES Denmark, Denmark
Fluysys, Belgium
GA-MA AO Skopje, Macedonia
Gas Connect Austria, Austria
GASCADE Gastransport, Germany
Gases del Caribe, Colombia
Gasoducto del Pacifico, Chile
Gasunie, Netherlands
Gazverbund Mittelland, Switzerland
Gazprom, Russia
GAZ-SYSTEM, Poland
GRT Gaz, France
GSSK Migas, Indonesia
GSPL India Transco Ltd, India
HSARG, 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
Kretstlog och vatten, Gothenburg City, Sweden
Kuwait Oil Company, Kuwait
LatinAmerica, Latvia
Mahamagar 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
Norvatten, 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
Petroleos for Crude Oil, Sudan
PETRONAS, Malaysia
PUNACO, Croatia
PUNOVOĐI 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
TransGas, Switzerland
Transnet, Russia
Transneft Drozhdia, 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 & exhibition enjoys with pipeline operators from all over the world. As stated before, over a hundred operators participate here, some present their new and sometimes highly controversial projects, looking for service providers and suppliers.
MARKETING FRAMEWORK
Solutions for exhibitors

PTC MARKETING POWER
Take advantage of the reach and power of ptc with a multi-faceted marketing program designed specifically to benefit the exhibitors appearing at ptc 2018.
High traffic on ptc-website means a higher brand awareness for our 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

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

>50K
Verified Addresses

29
Media Partners

16
Supporting Associations

42
Advisory Committee Members

>2K
Followers on social networks
WORLD-WIDE COVERAGE

To whom the ptc-website shows your engagement

54K
Unique Visitors
within 12 months

188K
Page Views
within 12 months

2:27
Minutes
average time a visitor spends on the website

180
Countries
web visitors are coming from all over the world

Jun. 2016 - May 2017, data according to Google Analytics

HIGH TRAFFIC

on ptc website means a higher brand awareness for our exhibitors.
The ptc website provides quality content and is continuously working on driving relevant traffic.
The Pipeline Technology Journal (ptj) offers three different communication channels in order to reach pipeline professionals around the globe.

- Book your advertisement
- Place your banner
- 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

Get in contact with us now: www.pipeline-journal.net or directly: ptj@eitep.de
GENERAL INFORMATION

ACCOMMODATION

ESTREL BERLIN
Sonnenallee 225
12057 Berlin
Germany
www.estrel.com

Booking
Phone: +49 30 6831 0
hotel@estrel.com
www.pipeline-conference.com/accommodation

A limited contingent of rooms is reserved until 15. Dec. 2017. Please contact the hotel directly and make your own reservation as soon as possible with reference to “ptc 2018”.

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

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 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
QUICK FACTS

ORGANIZER
EITEP - Euro Institute for Information and Technology Transfer
Am Listhoize 82 • 30177 Hannover • Germany • www.eitep.de

CONFERENCE MANAGEMENT
Dennis Fandrich, +49 511 90992-22, ptc@eitep.de

VENUE
ESTREL BERLIN • Convention Center
Sonnenallee 225 • 12057 Berlin • Germany • www.estrel.com

DELEGATE FEE
Regular: 1,120 EUR + VAT
Operator: 1,020 EUR + VAT
Student: 80 EUR + VAT

EXHIBITION FEE
Monday: 100 Euro + VAT (incl. catering & get-together)
Tuesday: 80 Euro + VAT (incl. catering)
Wednesday: 60 Euro + VAT (incl. catering)

CONFERENCE LANGUAGE
English

ADDITIONAL MARKETING AND MEDIA COVERAGE
Pipeline Technology Journal (ptj)
www.pipeline-journal.net
EXHIBITOR REGISTRATION

13TH PIPELINE TECHNOLOGY CONFERENCE & 2ND PIPE AND SEWER CONFERENCE
12-14 March 2018, Estrel, Berlin, Germany

EXHIBITOR (SINGLE POINT OF CONTACT FOR EXHIBITION QUESTIONS)

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

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 let us know if your billing address is different from this address

<table>
<thead>
<tr>
<th>Full Service</th>
<th>Fee</th>
<th>Included Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ 6 sqm</td>
<td>4,200 Euro + VAT</td>
<td>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, normally worth 1120 Euro each ticket), 1/4 page advertisement within conference proceedings, logo + link + profile on conference website, logo + link + profile in conference program, discount on advertisements in &quot;Pipeline Technology Journal&quot;, opportunity to publish company news in ptj newsletter and on ptj website (subject to availability)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Raw Space</th>
<th>Fee</th>
<th>Included Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ 12 sqm</td>
<td>5,000 Euro + VAT</td>
<td>Power supply, free Wi-Fi, 1 free-of-charge conference registration (for your staff or invited guest, normally worth 1120 Euro) + 2 free-of-charge exhibition-only tickets, logo + link + profile on conference website, logo + link + profile in conference program, discount on advertisements in &quot;Pipeline Technology Journal&quot;, opportunity to publish company news in ptj newsletter and on ptj website (subject to availability)</td>
</tr>
<tr>
<td>☐ 18 sqm</td>
<td>7,000 Euro + VAT</td>
<td></td>
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<tr>
<td>☐ 24 sqm</td>
<td>9,000 Euro + VAT</td>
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<tr>
<td>☐ 36 sqm</td>
<td>13,000 Euro + VAT</td>
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Individual stand design, additional equipment and larger stands available on request.

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

VAT No. (if applicable): ______________________

Your order number to be included in invoice (if applicable): ______________________

Signature ______________________ Date ______________________

Questions? Contact Mr. Marian Ritter on +49 511 90992 15

Please return form to:
Fax +49 511 90992 69, Email: ptc@eitep.de
or use our online registration www.pipeline-conference.com
DELEGATE REGISTRATION

13TH PIPELINE TECHNOLOGY CONFERENCE & 2ND PIPE AND SEWER CONFERENCE
12-14 March 2018, Estrel, Berlin, Germany

DELEGATE

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

Your organization’s main field of work

☐ Operator
☐ Technology / Service Provider
☐ University / Research
☐ Authority / Association
☐ Media

Full Event Ticket

<table>
<thead>
<tr>
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<th>until 31 Dec. 2017</th>
<th>after 31 Dec. 2017</th>
<th>Included Services</th>
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</thead>
<tbody>
<tr>
<td>Regular</td>
<td>828 Euro + VAT</td>
<td>1,120 Euro + VAT</td>
<td>entrance to conference and exhibition of Pipeline Technology Conference &amp; Pipe and Sewer Conference, printed proceedings, lunch, beverages, snacks, ticket for get-together party on 12 March</td>
</tr>
<tr>
<td>Pipeline/Network Operator</td>
<td>738 Euro + VAT</td>
<td>1,020 Euro + VAT</td>
<td></td>
</tr>
<tr>
<td>Student (full-time) *</td>
<td>72 Euro + VAT</td>
<td>80 Euro + VAT</td>
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* please attach certificate of full-time enrollment

Exhibition-only Ticket

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<tbody>
<tr>
<td>Exhibition Day Ticket (incl. catering)</td>
<td>100 Euro + VAT</td>
<td>80 Euro + VAT</td>
<td>60 Euro + VAT</td>
<td>entrance to exhibition of Pipeline Technology Conference &amp; Pipe and Sewer Conference, lunch, beverages, snacks, (ticket for get-together party on 12 March for Monday registrations)</td>
</tr>
</tbody>
</table>

Group packages available on request

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 (only possible until 28 Feb. 2018, later registrations have to be made via credit card)

For credit card payment, please use our registration form at www.pipeline-conference.com/registration

Signature ___________________________ Date ___________________________

www.pipeline-conference.com / www.pipeandsewer.com
#ptcBerlin
13th PIPELINE TECHNOLOGY CONFERENCE & 2nd PIPE AND SEWER CONFERENCE
12-14 MARCH 2018
ESTREL CONVENTION CENTER, BERLIN, GERMANY
WWW.PIPELINE-CONFERENCE.COM & WWW.PIPEANDSEWER.COM

#ptcBerlin

Mark the date for 2019:

18-20 March 2019

SUPPORTERS

MEDIA PARTNERS