11TH PIPELINE TECHNOLOGY CONFERENCE &
1ST PIPE AND SEWER CONFERENCE

23-25 MAY 2016, ESTREL CONVENTION CENTER, BERLIN, GERMANY

CONFERENCE PROGRAM

an event

SPONSORS
WELCOME TO THE 11TH PIPELINE TECHNOLOGY CONFERENCE

EUROPE’S BIGGEST PIPELINE CONFERENCE AND EXHIBITION

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

600+ DELEGATES

50+ EXHIBITORS

55+ DIFFERENT NATIONS

DELEGATIONS FROM 50+ DIFFERENT PIPELINE OPERATORS
From 23-25 May 2016, Europe’s biggest pipeline conference and exhibition, the Pipeline Technology Conference (ptc), will take place for the 11th time.

In 2016 the ptc will take place in parallel to the new Pipe and Sewer Conference (PASC). Both shows will share the same exhibition area. All delegates are free to move between the technical sessions and could attend all parts of the program. The unique gathering of pipeline, pipe and sewer professional from all over the world will create a multitude of synergies and furthers the exchange of experience across borders and transported media.

Both event, ptc and PASC offer 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 come to Berlin.

The conferences will feature lectures and presentations on all aspects surrounding oil, gas, water, product, district heating and cooling pipeline, pipe and sewer systems.

Please take a closer look at the following pages and get involved now - reserve your place at the 11th Pipeline Technology Conference & 1st Pipe and Sewer Conference in Berlin.

Dr. Klaus Ritter
Pipeline Technology Conference Chairman
Pipe and Sewer Conference Chairman
President of EITEP
ADVISORY COMMITTEE (PTC)

CHAIRMEN

Dr. Klaus Ritter, President, EITEP Institute
Uwe Ringel, Managing Director, ONTRAS Gastransport

MEMBERS

Ulrich Adriany, Oil&Gas Program Management Lead Europe, ARCADIS Deutschland
Arthur Braga, Director, RB&B Consulting
Andreas Haskamp, Pipeline Joint Venture Management, BP Europa SE
Maximilian Hofmann, Managing Director, MAX STREICHER
Dirk Jedziny, Vice President - Head of Cluster Ruhr North, Evonik Industries
Reinhold Krumnack, Div. Head, DVGW - German Technical and Scientific Association for Gas & Water
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
Hermann Rosen, President, ROSEN Group
Ulrich Schneider, Business Development Manager Continental Europe, KTN
Roger Vogel, Sales Manager - EURO, PII Pipeline Solutions
Herbert Willems, Global ILI Technology Support, NDT Global

Muhammad Sultan Al-Qahtani, General Manager, Pipelines, Saudi Aramco
Filippo Cinelli, Senior Marketing Manager, GE Oil & Gas
Dr. Hans-Georg Hillenbrand, Director Technical Service, Europipe
Dr. Thomas Hüwener, Managing Director Technical Services, Open Grid Europe
Cliff Johnson, President, PRCI - Pipeline Research Council International
Mike Liepe, Head Business Solution Line O&G Pipelines, Siemens
Prof. Dr. joachim Müller-Kirchenbauer, Lehrstuhl Energie- und Ressourcenmanagement, Technische Universität Berlin
Frank Rathlev, Manager of Network Operations, Thyssengas
Michael Schad, Head of Sales International, Denso
Carlo Maria Spinelli, Technology Planner, eni gas & power

Juan Arzuaga, Executive Secretary, IPLOCA
Jens Focke, CEO, BIL
Jörg Himmerich, Managing Director / Technical Expert, Dr.-Ing. Veenker Ing.-ges.
Mark David Iden, Director, Charterford House
Dr. Gerhard Knauf, Head of Div. Mech. Eng., Salzgitter Mannesmann Forschung / Secretary General, EPRG
Michael Lubberger, Senior Product Manager Pipeline, BU Utility Tunnelling, Herrenknecht
Steffen Paeper, Offshore Engineering, South Stream
Markus Rieder, Head of Department Pipelines, TÜV SÜD Industrie Service
Prof. Dr. Jürgen Schmidt, Managing Director, CSE Center of Safety Excellence
Asle Venas, Global Director Pipelines, DNV GL

Roger Vogel, Sales Manager - EURA, PII Pipeline Solutions
Tobias Walk, Director of Projects - Pipeline Systems, ILF Consulting Engineers

Dr. B.D. Yadav, Executive Director (Operations & Projects), Indian Oil Corporation

Conference Management
Dennis Fandrich, Director Conferences, EITEP Institute
Monday, 23 May

- Opening
- Key Note Speech
- Opening Panel Discussion "Pipeline Supply Options for Europe"

Session 1: Integrity Management
Session 2: Coating / Corrosion
Session 3: Leak Detection
Session 10: Legal Assessment (Discussion)
Session 13: Inspection

Tuesday, 24 May

- Session 4: Inline Inspection
- Session 5: Pump & Compressor Stations
- Session 6: Remote Sensing
- Session 11: Planning & Construction
- Session 14: Asset Management

Wednesday, 25 May

- Plenary Session "World Pipeline Outlook: New Technologies in Operation"

- Closing Panel Discussion "What's next? Current Challenges and Future Fields for the Global Pipeline Industry"
- Closing Remarks

Post-Conference Workshops
## CONFERENCE PROGRAM
### MONDAY, 23 MAY 2016

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<td>09:00-10:00</td>
<td>Registration (Foyer Hall C/D)</td>
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<td>10:00-10:30</td>
<td>Opening (ECC Room 1)</td>
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<td></td>
<td>Welcome</td>
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<td></td>
<td>Dr. Klaus Ritter, President of EITEP Institute, Germany</td>
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<tr>
<td>10:30-11:00</td>
<td>Keynote Speech (ECC Room 1)</td>
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<td>Keynote Speech</td>
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<td></td>
<td>“The role of national and international technical associations to safeguard an environment for cost-efficient, sustainable, safe and innovative energy solutions”</td>
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<td>Prof. Dr. Gerald Linke, Chairman of the Board of Directors, DVGW - German Technical and Scientific Association for Gas and Water, Germany</td>
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<tr>
<td>11:00-12:30</td>
<td>Opening Panel Discussion &quot;Pipeline Supply Options for Europe&quot; (ECC Room 1)</td>
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<tr>
<td></td>
<td>Session Chair</td>
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<td>Heinz Watzka, Senior Advisor, EITEP Institute, Germany</td>
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<td>Fuad Ahmadov, CEO, SOCAR MIDSTREAM, Azerbaijan</td>
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<td>Arno Büx, CCO, Fluxys, Belgium</td>
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<td>Panelist</td>
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<td>H.E. Dr. Ali Majedi, Ambassador, Embassy of the I.R. of Iran to Germany, Germany</td>
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<td>Panelist</td>
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<td></td>
<td>Asle Venas, Global Director Pipelines, DNV GL, Norway</td>
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<tr>
<td>12:30-14:00</td>
<td>Lunch Break in the Exhibition Hall</td>
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MONDAY, 23 MAY 2016

Pipeline Track 1

Session Chair: Andreas Döhrer, Head of Consulting and Business Development, GEOMAGIC, Germany

14:00-15:15 (ECC Room 1)
Session 1.1 Integrity Management

"Asset Management of High Pressure Installations: Project GRAID - an innovation project to develop a robotics system for internal inspection of buried pipework" Gary Senior, Pipeline Integrity Engineers Ltd, United Kingdom

"Pipe features identified during inline inspection using NPI pigs" Dr. Hossein Karbasbian, Salzgitter Mannesmann Forschung, Germany

"Pipeline Corrosion Assessment and Fitness for Service" Guy De Meurechy, Sewkowex Inc., United States

Pipeline Track 2

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

14:00-15:15 (ECC Room 2)
Session 2.1 Coating / Corrosion

"Introduction of a new field-applied corrosion system designed for pipelines" Michael Schad, DENSO GmbH, Germany

"New Technologies Data Management - VintiPLANT & Shawcor Case Study" Neil Uppal, Shawcor, United States

"Testing non-shielding coatings" Luc Perrad, ExParTech, Belgium

Pipeline Track 3

Session Chair: Dirk Strack, Technical Director of TAL Group, Deutsche Transp Pipe Eolietting, Germany

14:00-15:15 (ECC Room 3)
Session 3.1 Leak Detection

"Pipeline Leak Detection System Optimization Using Model Based Approaches" Axel Hundertmark, KROHNE Messtechnik, Germany

"Challenges in Implementing a Software Based Leak Detection System in a Brownfield Environment" Szilárd Szellmann, Yokogawa, Hungary

"Hot tapping and product theft on pipelines: A way to detect and locate these spots during normal operation" Rene Landstorfer, GOTTIS-BERG Leak Detection GmbH & Co. KG, Germany

Construction Track

Session Chair: Heinz Watzka, Senior Advisor, EITEP Institute / former Managing Director Technical Services, Open Grid Europe, Germany

14:00-15:15 (ECC Room 4)
Session 10 Special Discussion: Legal impact on the construction of pipelines

"Preventive Gas Leak Detection in Germany - sample of no value or benchmark for the industry?" Ulrich Steinecker, Schütz GmbH Messtechnik, Germany

"Pipe robots for internal inspection of pipelines - Ultrasonic wall thickness determination in district heating lines" Alexander Reiss, INSPECTOR SYSTEMS GmbH, Germany

"Cable-less TV-Inspection of Pipelines with Integrated Leak Detection" Michael Huangin, MTA Messtechnik GmbH, Austria

Pipeline Track 4

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

14:00-15:15 (ECC Room 5)
Session 13.1 Inspection

"In-Line Inspections in Gas Distribution Pipelines with Extreme Operating Conditions" Tom Steinwoerte, ROSEN Group, Netherlands

"Field Study on Small Diameter PVC Pipe and Leak Detection Technology" Yoshiazu Tanaka, National Institute for Rural Engineering, Japan

"Damage Detection in Natural Gas Distribution Pipelines Based on Vibration Signal Analysis" Luis Antonio Zanette, Companhia Paranaense de Gás - COMPAGAS, Brazil

"An Innovative Design for Lateral Pipes in Sewer Systems" Aalas Abbas, Liverpool John Moores University, United Kingdom

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

15:45-17:30 (ECC Room 1)
Session 1.2 Integrity Management

"CATES (Consequence Assessment Tool for Emergency Situation)" Olivier Baldan, DNV GL, Norway

"Predicting the Future - Applying Corrosion Growth Rates Derived from Repeat ILI Runs" Jane Dawson, PII Pipeline Solutions, a GE Oil & Gas and Al Shabean joint venture, United Kingdom

"How MFL Inspection data contribute to Integrity Management of Difficult-to-Pig Pipelines" Peter van Beugen, Pipeline Assessment Tool International, The Netherlands

15:45-17:30 (ECC Room 2)
Session 2.2 Coating / Corrosion

"Pipeline Monitoring by Intelligent High Performance Elastomer Coatings" Dr. Michael Magerstadt, ROSEN Group, Switzerland

"Innovative coatings and linings resisting mechanical and chemical wear" Dr. Friedrich Karau, DUK-TUS Rohrsysteme GmbH, Germany

"The Corrosion Control Technology for High H2S and CO2 Content Natural Gas Gathering and Transportation System" Dr. Li Du, Sinopoe, China

15:45-17:30 (ECC Room 3)
Session 3.2 Leak Detection

"Current topics of odorizing in Germany" Kerstin Krüger, DVGW-Forschungsstelle am Engler-Bunte-Institut des Karlsruher Instituts für Technologie (KIT), Germany

"Challenges to Achieve Reliable Hydrocarbon Leak Detection. Evaluation of Different External Leak Sensing Systems: Existing Technologies vs. New Sensing Cable Technology" Raul Risi, TTK, France

"Thief detection and tapping point location using multi-method technology" Dr. David Dingley, Atmos International, United Kingdom

15:45-17:30 (ECC Room 4)
Session 11.1 Planning & Construction

"Innovations and Technological Developments in Long Distance Water Transmission Systems - Case Study of Riyadh, Saudi Arabia" Alexander Heinz, ILF Consulting Engineers, Austria

"UK Military Offshore and Offshore Pipeline Systems - Past, Present and Future Challenges" Richard Costen, Kellogg, Brown and Root, United Kingdom

"Engineering Piping systems and spool prefabrication to enhance plant construction productivity and quality" M. Kannappan, DEE Piping Systems, India

"Hydrostatic Test Plugs" A.G.C.M. (Ron) de Rijk, EST Group B.V., The Netherlands

15:45-17:30 (ECC Room 5)
Session 13.2 Inspection

"In-Line Inspections in Gas Distribution Pipelines with Extreme Operating Conditions" Tom Steinwoerte, ROSEN Group, Netherlands

"Field Study on Small Diameter PVC Pipe and Leak Detection Technology" Yoshiazu Tanaka, National Institute for Rural Engineering, Japan

"Damage Detection in Natural Gas Distribution Pipelines Based on Vibration Signal Analysis" Luis Antonio Zanette, Companhia Paranaense de Gás - COMPAGAS, Brazil

"An Innovative Design for Lateral Pipes in Sewer Systems" Aalas Abbas, Liverpool John Moores University, United Kingdom

from 17:30 Get-together Party in the Exhibition Hall sponsored by ROSEN Group
### TUESDAY, 24 MAY 2016

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<th>Session 2: Pipeline Track 2</th>
<th>Session 3: Pipeline Track 3</th>
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<td>09:00-10:15</td>
<td>Session 4.1 Inline Inspection</td>
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<td>Session 6.1 Remote Sensing</td>
<td>Session 11.1 Planning &amp; Construction</td>
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<td>10:45-12:00</td>
<td>Session 4.2 Inline Inspection</td>
<td>Session 5.2 Pump &amp; Compressor Stations</td>
<td>Session 6.2 Remote Sensing</td>
<td>Session 12.1 Trenchless Construction &amp; Rehabilitation</td>
<td>Session 14.2 Asset Management</td>
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**Session 1: Pipeline Track 1**
- "A Case Study How Reduced Uncertainties in Ultrasonic Wall Measurement III Technology Benefit Engineering Criticality Assessments" by Stephan Tappert, Pli Pipeline Solutions, Germany
- "Recent Advancements in Ultrasonic In-Line Inspection" by Herbert Willems, NDT Global, Germany
- "Uncover Pipe Grade Uncertainties with ROMAT" by Maria Araujo, Southwest Research Institute, United States
- "First experiences with applying CHARM® second generation" by Alexander Scherello, Open Grid Europe GmbH, Germany

**Session 2: Pipeline Track 2**
- "Continuous Depth Sizing of Unpiggable Pump Station Work Vibration Issues" by Jouni Jokela, Geonex Oy, Finland
- "Enhanced pipeline monitoring" by Vincent Fournier, ARI MAREE, France
- "A Variety of Trenchless Technologies for Pipeline Installation" by Michael Lubberger, Herrenknecht AG, Germany
- "Optimizing investment strategies for water distribution networks" by Mike Beck, Riewerts, Germany

**Session 3: Pipeline Track 3**
- "First compliments from the new Germany" by Wolfgang Faller, Solar Turbines, United States
- "Energy Recovery in Crude Oil Pipelines" by Maria Araujo, Southwest Research Institute, United States
- "Robotic In-Line Inspection of Unpiggable Pump Station Piping on Trans-Alaska Pipeline System (TAPS)" by Jonathan Minder, Diakont, United States
- "Balancing the Electric Grid with a Dual Drive Centrifugal Pipeline Compressor" by Stefan Stollenwerk, Open Grid Europe, Germany

**Session 4: Construction Track**
- "Innovative socket pipe systems - an economic solution for pipeline construction" by Friedrich Karau, DUK TUS Rohrsysteme GmbH, Germany
- "Underground DC Cable Links - Implementation and Construction Challenges" by Fred Wendi, ILF Consulting Engineers, Germany
- "Taking off with UAVs: Just a hype or future key technology in pipeline integrity management" by Ulrich Schneidewind, Business Development Manager Continental Europe, KTN

**Session 5: Pipe and Sewer Track**
- "Piping on Trans-Alaska Pipeline System (TAPS)" by Daniel Mertens, TRACTO, Germany
- "Trenchless replacement of defective sewer pipelines using pipe bursting" by Daniel Mertens, TRACTO-TECHNIK GmbH & Co. KG, Germany
- "Asset Management and Loss Prevention Strategies for Large Diameter Pipelines" by Pedro Pina, Pure Technologies, Portugal

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**10:45-12:00 Coffee Break in the Exhibition Hall**

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**12:00-13:30 Lunch Break in the Exhibition Hall**
TUESDAY, 24 MAY 2016

Pipeline Track 1

Session Chair: Dr. Gerhard Knauf, Head of Div. Mech. Eng., Salzgitter Mannesmann Forschung / Secretary General, EPRG, Germany

13:30-14:45 (ECC Room 1)
Session 7.1 Materials

“A system for addressing the challenge of circumferential Stress Corrosion Cracking.”
Roland Palmer-Jones, MACAW Engineering Ltd., United Kingdom

“Reduction of CO2 Corrosion of API-5L by “2-Mercapto-benzimidazole” as inhibitor”
Ahmad Zamani Gharaghooshi, Oil Ministry, Iran

“Integrity of longitudinal welds on bends – choice of relevant test methods”
Dr. Marion Erdelen-Peppler, Salzgitter Mannesmann Forschung, Germany

Pipeline Track 2

Session Chair: Ulrich Adriany, Oil&Gas Program Management Lead Europe, ARCADIS Deutschland, Germany

13:30-14:45 (ECC Room 2)
Session 8.1 SCADA & Automation

“Pipeline Scada Virtualization - a Dream or Real Lifecycle Cost Saving”
Helmut Wimmer, Siemens Austria, Austria

“Pipeline Management System”
Badr AlHussain, Saudi Aramco, Saudi Arabia

“Developments in SCADA solutions for central control rooms and multi-site infrastructure”
Martin te Lintel, Yokogawa Europe, The Netherlands

Pipeline Track 3

Session Chair: Asle Venas, Global Director Pipelines, DNV GL, Norway

13:30-14:45 (ECC Room 3)
Session 9.1 Offshore Technologies

“Inspection of subsea pipelines with the MEC™-Combi Crawler”
Dr. Konrad Reber, Inspection Germany GmbH, Germany

“Seismic analysis and design of offshore pipelines”
Dr. Andreas Antoniou, National Technical University of Athens, Greece

“Beyond 3D: Extending life of subsea assets by applying advanced simulation and prediction”
Dr. Pawel Michalak, Fugro Roames, Australia

14:45-15:15 Coffee Break in the Exhibition Hall

15:15-17:00 (ECC Room 1)
Session 7.2 Materials

“Development of large diameter clad bend”
Elke Muthmann, Salzgitter Mannesmann Grobblech, Germany

“Material Cost Savings from Pipeline Wall Thickness Optimization—Design Case”
Ahmad M. Saif, Saudi Aramco, Saudi Arabia

“Enhancement of Mechanical Properties in High Strength Steels Coils for ERW Casing and Tubing Application”
Kwangseop Ro, SABIC, Saudi Arabia

“Intelligent Pipe Systems via the Smart Combination of Various Materials”
Dr. Thorsten Späth, egestahl international GmbH, Germany

15:15-17:00 (ECC Room 2)
Session 8.2 Repair Rehabilitation

“Long term durability of composite pipeline repairs”
James Knights, Clock Spring Company, L.P., United Kingdom

“Asset Integrity Management and the Dilemma of maintenance planning”
Christoph Schmidt, DNV GL Oil & Gas, Germany

“Mobile Compressor - responsible use of primary energies, avoidance of climate-harming methane emissions”
Christian Hadick, Open Grid Europe, Germany

15:15-17:00 (ECC Room 3)
Session 9.2 Offshore Technologies

“Deepwater NDT Technology for pipes and tubular structures”
Dr. Yoann Lage, TWI Ltd., United Kingdom

“Probability Risk Assessment in Marine Pipelines by Updating Parameters Configuration of Piramid Tool”
Dr. Jorge González, ESIQIE-IPN (GAID), Mexico

“Assuring the Integrity of Subsea Pipeline Butt Welds through Design, Construction and Operational Life”
Harry Cotton, Wood Group Kenny, United Kingdom

18:00 Dinner Invitation Grunewald Hunting Lodge + Berlin Sightseeing Tour
**WEDNESDAY, 25 MAY 2016**

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

**09:00-10:30 Plenary Session “World Pipeline Outlook: New Technologies in Operation” (ECC Room 1)**

- “Iran Pipeline Industry: Capabilities, Technical-Economical Problems & Development Plans”
  Hamidreza Ettelaie, Iranian oil Pipeline & Telecommunication Co., Iran

- “Fighting Corrosion on an Ageing Pipeline”
  Markus Seitz, APA Group, Australia

- “BIL - Germany’s approach to implement a cost-free digging request portal”
  Jens Focke, BIL eG, Germany

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

**11:00-12:30 Closing Panel Discussion  “What's next? Current Challenges and Future Fields for the Global Pipeline Industry” (ECC Room 1)**

**Session Chair**

Tobias Walk, Director of Projects – Pipeline Systems, ILF Consulting Engineers, Germany

**Panelist**

- “Challenges in Network Operations”
  Dr. Thomas Hüwener, Managing Director Technical Services, Open Grid Europe / Vice President, Gas, DVGW - German Technical and Scientific Association for Gas and Water, Germany

- “Collaborative Approach to Pipeline Safety & Integrity”
  Cliff Johnson, President, PRCI - Pipeline Research Council International, USA

- “Internet of Things Technologies in the Pipeline Industry - Main Advantages and Cyber Security Challenges”
  Serhii Konovalov, Global Energy/O&G Lead / IoT Vertical Solutions Group, Cisco, United States

- “Life-Cycle Extension Strategies with Pipeline Integrity Management”
  Hermann Rosen, President, ROSEN Group, Switzerland

- “DC cables – the next big market for underground technologies”
  Dr. Christoph Thiel, Overall Project Manager SuedLink, TenneT TSO GmbH, 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**
**SCIENTIFIC ADVANCES**

**POSTER SESSION**

**MONDAY, 23 MAY 2016, 13:30-14:00 + TUESDAY, 24 MAY 2016, 13:00-13:30 (WITHIN THE EXHIBITION)**

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

[1] "The influence of Bourdon effect and Ovalization effect on the stress distribution on pipe elbows"
Diana Abdulhameed, University of Alberta, Canada

Dr. Wissam Alobaidi, University of Arkansas at Little Rock, United States

[3] "Investigating the response of rigid pipes with poor haunch support subjected to traffic live load using numerical modelling"
Saif Alzabebbee, University of Birmingham, United Kingdom

[4] "Physicochemical effect of different types soils from México in the SCC of low carbon pipeline steels"
Dr. Antonio Contreras, Mexican Petroleum Institute, Mexico

[5] "A Proposal Procedure to Estimate the Hydrogen Induced Cracking Growth Rate"
Dr. Jorge Luis González Velázquez, National polytechnic Institute, Mexico

Prof. Dr. Ahmet Koyun, Yıldız Technical University, Turkey

[7] "Developing a 3D Spatial Pipeline Data Model towards Web-based 3D Pipeline GIS Application"
Dr. Zhenpei Li, University of Western Ontario, Canada

[8] "Challenges of Geotechnical Engineering Studies of Pipelines in the Gulf Of Mexico, New Challenges to Pipeline With High Temperature and High Pressure"
Mario de Jesus Mireles, Mexican Petroleum Institute, Mexico

[9] "SAInt - A simulation tool for analyzing the consequences of gas supply disruptions"
Kwabena Addo Pambour, University of Groningen, The Netherlands

[10] "Implementation and evaluation of the joint trench model (Infravias system) – Sapiens Parque Project"
Aloísio Pereira da Silva, Federal University of Santa Catarina, Brazil

[11] "A smart decision-support GIS-based tool for the optimization of pipeline routing taking into consideration the potential geohazards"
Dr. Prodromos Psarropoulos, National Technical University of Athens, Greece

[12] "Pipeline monitoring and third-party damage assessment by multi-platform sensor networks"
Prof. Luigi Zeni, Second University of Naples, Italy
SOCIAL PROGRAM

GET TOGETHER PARTY
MONDAY, 23 MAY, 17:30
EXHIBITION AREA

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. Please keep the get-together invitation you receive upon registration at the conference. It will contain your personal win code for this year’s get-together raffle.

PARTICIPANTS
All registered delegates, exhibitors and sponsors of the 11th Pipeline Technology Conference.
Dress code: Business casual

DINNER INVITATION
TUESDAY, 24 MAY, 18:00
GRUNEWALD HUNTING LODGE + BERLIN SIGHTSEEING TOUR

BACKGROUND
Busses for the Grunewald Hunting Lodge (Jagdschloss Grunewald) will depart from Estrel Hotel at 18:00. The Grunewald Hunting Lodge has been built 1543 on the shores of Lake Grunewaldsee, where it served as an exclusive royal hunting lodge. It is the oldest Berlin palace still in existence. Today the palace houses an important art collection (guided tours available). The participants will enjoy a cozy barbecue right in front of the picturesque castle. Participants are invited to prove their “hunting skills” at an archery range. 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 11th 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
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 Welcome

14:00-15:00 Basics of pipeline leak detection
The first part of the workshop describes the basic fundamentals of pipeline leak detection systems. Overview of leak detection systems: models, comparison, technical possibilities and limitations, how to reduce false alarms to practically zero. Description of typical LDS System and SCADA architectures. International rules and standards are also part of this presentation, many practical examples and references are given.

15:00-15:30 Break

15:30-17:00 Practical Training
In the second part pipeline details from attendees of the workshop will be used to design respective leak detection systems. Technical limits and possibilities, e.g. realistic response times as well as detection accuracy, will be calculated during the workshop. Concepts are introduced that can achieve remarkable leak detection results in real-world applications while minimizing overall cost.

17:00 End of training / Discussion

REGISTRATION

If you wish to participate in this free workshop, please register yourself at the KROHNE exhibition booth during the Pipeline Technology Conference or register in advance via pipeline-conference.com/workshops/pipeline-leak-detection
SEMINARS

THURSDAY, 26 MAY 2016 - FRIDAY, 27 MAY 2016, 09:00-17:00, ESTREL BERLIN, ROOM 30241

Seminar
Geohazards and Geotechnics in Onshore and Offshore Pipeline Engineering
26-27 May 2016
Estrel Berlin
Berlin, Germany

The course will provide an in-depth introduction into the subject and importance of 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 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 Stabilization Methods.

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

Seminar
In-Line Inspection of Onshore and Offshore Pipelines
26-27 May 2016
Estrel Berlin
Berlin, Germany

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

SPECIAL PRICE FOR PTC DELEGATES

- Each 2-days seminar 1,300 Euro + VAT only (incl. seminar documentation, catering, dinner invitation, certificate)
- Registration Deadline: 28 April 2016
- Visit [www.pipeline-conference.com/seminars](http://www.pipeline-conference.com/seminars) for details
24 sqm: 17
12 sqm: 1,2,3,4,14,15,16,18,20,22
6 sqm: all other stands

sold booth  reserved booth  reserved for sponsors

latest version of this floor plan is available online
# EXHIBITOR LIST

(status as of 10 May 2016, latest updates available online)

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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

NDT Global is a leading supplier of ultrasonic pipeline inspection and pipeline integrity management. The company counts about 500 specialists based in Canada, Germany, Malaysia, Mexico, Russia, Singapore, UAE and USA. Its state-of-the-art inspection fleet provides the entire inline inspection service spectrum for onshore and offshore pipelines worldwide. First Run Success, best data quality and fast 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

Pii Pipeline Solutions is one of the industry leaders in inspection and integrity services for gas and liquid pipelines in every known environment and operating condition. From in-line inspection and integrity engineering, to revolutionary services such as UltraScan™ Duo for crack assessment and powerful data management tools, they provide the comprehensive technologies, skills and experience needed to confidently determine the present and
future condition of a pipeline. Their solutions go beyond defect detection to proactive risk assessment and threat management to maintain a balance of safety and productivity while helping pipeline operators meet stringent regulations. PII Pipeline Solutions operates globally as a joint venture between GE Oil & Gas and Al Shaheen Holdings, a wholly owned subsidiary of Qatar Petroleum.

www.geoilandgas.com/pipeline-storage/pipeline-integrity-services

SILVER SPONSORS

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

www.dnvgl.com

GOTTESBERG Leak Detection

GmbH&Co.KG is a family owned developer and manufacturer of one of the technical leading products in the market of ultrasonic leak detection pigs for pipelines. Its aim is to provide affordable state of technology products that are easy to handle and absolutely reliable in their performance for the sales market as well as for service offers. With its specialists GOTTESBERG Leak Detection can look back at nearly 40 years of experience in the field of pipeline integrity.

www.leak-detection.de

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. The Herrenknecht product range includes tailor-made machines for transport tunnels (Traffic Tunneling) and supply and disposal tunnels (Utility Tunneling). The company also produces state-of-the-art deep drilling rigs that drill down to depths of 8,000 meters (Herrenknecht Vertical) as well as a wide range of HDD Equipment.

www.herrenknecht.de

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

Schneider Electric is the global specialist in energy management and automation. With revenues of €25 billion in FY2014, our 170,000 employees serve customers in over 100 countries, helping them to manage their energy and process in ways that are safe, reliable, efficient and sustainable. From the simplest of switches to complex operational systems, our technology, software and services improve the way our customers manage and automate their operations. Our connected technologies reshape industries, transform cities and enrich lives. At Schneider Electric, we call this Life Is On.

www.schneider-electric.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.de

Aegis-2K is official licensee for Praxair’s Tracer Tight patented leak detection technology. Tracer Tight® is the industry’s most accurate, reliable and sensitive method to test AST, UST, pipelines. Aegis-2K is also the sole licensee of PIMOC (Pipeline MOnitoring Corp.) for its revolutionary new pipeline monitoring technology based on multi-sensor networks.

www.aegis-2k.com

Established in 1963, AIR LLOYD is an aviation company with a national and international track record. Core sectors of today are flight operations – from pipeline monitoring to recreational and sightseeing flights – as well as helicopter sales and maintenance but also a flight school and IT-Services mainly focusing on surveillance solutions.

www.airlloyd.de

For more than 30 years, Amex is specialized in the trenchless rehabilitation of gravity and pressure pipes for all applications. We manufacture our high-quality sealing system in Germany and our company is worldwide accepted in the NO-DIG technology.

www.amex-10.de/en/company

Applus RTD is 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.de

Atmos International (Atmos) provides pipeline leak detection, theft detection, and simulation technology to the oil, gas, water, and associated industries. These technologies are implemented on hundreds of pipelines in over 50 countries, including major oil and gas companies such as Shell, BP, ExxonMobil, and Total.

www.atmosi.com

For over 25 years BARTHAUER is a market leader for professional solutions for infrastructure and water management. More than 1,000 customers are using BARTHAUER software to design, operate and manage water, sewer, pipeline and cable infrastructure networks. BARTHAUER solutions enable utility providers and engineers to manage networks more efficiently and economically.

www.barthauer.de

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

Borna Electronics Co. has established at 1984 for production of electronic controllers and cathodic protection system equipment in compliance with NACE, EN, ASTM, IEC, DNV, IPS, and other norms and standards. We have acquired ISO 9001 at 2003 and then, IMS, HSC management system, OHSAS 18000, ISO 14001 certificates. We manufacture explosion-proof and smart TRs for CPS with remotely control and monitoring, and MMO anodes. We execute big CPS projects for pipelines and sites, based on EPC.

www.borna-co.com
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.

Deepiping.com

Creaform specializes in portable optical 3D measurement technologies and 3D engineering services and offers optical measurement solutions for non-destructive testing. Compared to traditional methods, the systems can significantly reduce measurement time and streamline the whole process of applications such as pipeline external corrosion analysis and pipeline mechanical damage assessment.

www.creaform3d.com

DEHN, a globally electro-technical 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.

www.dehn-international.com

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www.dehn-international.com

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www.dehn-international.com

Ductus Group develops, produces and markets high-grade ductile iron pipe systems for transporting water also for special applications and challenging assembling conditions.

www.duktus.com

The Duktus Group develops, produces and markets high-grade ductile iron pipe systems for transporting water also for special applications and challenging assembling conditions.

www.duktus.com

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

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.

www.evonic.de

Geonex Oy is a manufacturer of DTH steel casing drilling machines (horizontal and vertical), and also provides services in training & consultation. Drilling method: often applied in hard ground and rock conditions; no drilling fluids; no soil deformation; no need for thrust block, target pit; no active steering (but accurate).

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

www.gstt.de

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

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

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

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

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

MEFS is a provider of pipeline inspection services and associate products since more than 25 years and is working with highly specialized staff. MEFS offers products and services related to pipelines such as cleaning and geometry inspection, commissioning and hydro-testing, as well as engineering and consulting services.

www.metalytepipeworks.com

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www.metalytepipeworks.com

www.streicher.de

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www.metalytepipeworks.com

www.streicher.de

MONTI - Werkzeuge GmbH is a developer of hand-held tools for surface preparation. The patented Bristle Blaster® technology provides a surface preparation method that can replace grit blasting, achieving a cleanliness of SA 2.5 to SA 3.0 (SSPC-SP 10 / -SP5) and an anchor profile (60-85 microns on API 5L steel). For spot repair and in areas where conventional blasting processes are prohibited or not economical.

www.monti.de

Product Portfolio:
Microtunneling Systems, Thrust Boring Technique (Thrust Boring Machines, Pipe Bursting Systems, Pipe Steering Systems, Hydraulic Power
OMS provide independent, specialist measurement and inspection services to the oil and gas industry. With over 10 years experience working alongside companies such as BP, Chevron, ExxonMobil, Heerema, McDermott, Shell, Subsea 7 and Technip, OMS tools and software enable pipeline operators to meet quality specifications and ensure pipeline integrity.

Pak gostar Parand has nearly 20 years of extensive experiences in line with supply of equipments and specialized materials for different industries. The company is exclusive representative of products of Canadian ATOMES company in Iran that is supplier of a wide range of chemical and biological products required in upstream oil, gas, petrochemical, refinery, power and energy, water and waste water, food, agriculture and utilities industries.

Petro IT provides best-in-class software solutions supporting the build-out, maintenance and operations of energy transportation assets. Petro IT's worldwide 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.

We concentrate on quality of our services and are committed to understand the requirements of our clients to achieve high quality products within project schedule and budget.

Centralized measurement and inspection information can improve decision making process. This is particularly important for pipeline operators in order to operate their assets in an efficient way. This way, decisions may be made based on fact, not gut feeling or intuition. With the continuous improvement of measurement and inspection tools, it is more important than ever to have a reliable measurement and inspection infrastructure in place. OMS, OZ Optics, Pars Pamchal Chemical Company, Parto Azmoon Azar (PAA) Co., and Pipeline Monitors are some of the companies that provide measurement and inspection services to the oil and gas industry.
governmental oil & gas companies. IPM’s missions: Cooperation with International and National Pipeline Companies, Research high technologies in Pipeline Industry (Corrosion, Coating, Pigging, Technical Inspection, leak detection, construction, …), Holding special conference and seminars, Training course, Case study research, Iran oil & gas market survey for international companies, Publisher of Pipeline Book & magazine (Middle East Pipeline Magazine).

www.mepipeline.com

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

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

PLIDCO®, The Pipe Line Development Company, has been manufacturing quality pipeline repair and maintenance fittings since 1949. PLIDCO® has become the leader in the industry by focusing on the quality and safety of our fittings. PLIDCO® is ISO 9001:2008 and ISO 14001:2004 certified. Trust the original. Trust PLIDCO®.

www.plidco.com

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

www.polyguardproducts.com

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 worldwide.

www.psi.de

Regular and accurate leak detection is an important part of integrity programs for Oil and Gas pipelines. Pure’s SmartBall® technology is highly sensitive tool that can identify leaks that aren’t typically found using other systems. The platform is ideal for complementing existing integrity programs or as a check on non-piggable pipelines.

www.puretechltd.com

Quest Integrity Group is built on a foundation of leading edge science and technology that has innovated and shaped industries for almost 40 years. Our highly accurate, technology-enabled inspection and assessment solutions help companies in the process, pipeline and power industries increase profitability, reduce operational and safety risks and improve operational planning.

www.questintegrity.com

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

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.

www.savay.com

Schütz Messtechnik has been working in the field of gas leak detection and the technique of gas measurement as part of the process of network revision for more than 40 years. Schütz checks gas supply networks for energy supply companies, industrial premises and biogas plants and offers also a wide range of measuring equipment.

www.schuetz-messtechnik.de

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

www.sealforlife.com

Seikowave leading developer and manufacturer of cost-effective non-contact 3D-NDT&I solutions. Innovative technology that acquire fast, reliable and accurate 3D measurements, analyze the data for defects and anomalies, and generate on site reports that determine fitness for service and help guide repair procedures if needed.

www.seikowave.com

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.

www.shawcor.com


www.siemens.com

Symrise is a global supplier of fragrances, cosmetic base materials and substances, as well as functional ingredients for manufacturers of perfumes, cosmetics, food and beverages, the pharmaceutical industry and producers of nutritional supplements and pet food.

www.symrise.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.

www.tracto-technik.com

TTK is a French company who develops and manufactures, since 1989, liquid leakage detection systems based on addressable sensing cables. All types of liquid can be detected (product sensing technology): water, acid and bases, hydrocarbons, petrochemical compounds. TTK Oil Sense Cables, FG-OD, are addressable, re-usable, multi-leaks, unaffected by water.

www.ttkuk.com
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 11th ptc will again be a record breaking event.

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

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 2015 delegates from 49 different countries attended the 10th ptc in Berlin. The share of delegates from abroad is increasing from year to year.

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

ACCOMMODATION

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

Booking
Phone: +49 30 6831 0
hotel@estrel.com

A limited contingent of rooms is reserved until 22.02.2016. Please contact the hotel directly and make your own reservation as soon as possible with reference to “ptc 2016”.

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 walking distance to the Pipeline Technology Conference venue.

OFFICIAL E-JOURNAL

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 28,000 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 Listholze 82 • 30177 Hannover • Germany • www.eitep.de

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

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

DELEGATE FEE
820 Euro + VAT (regular, till 30 Apr. 2016)
80 Euro + VAT (student, till 30 Apr. 2016)

LANGUAGE
English

OFFICIAL E-JOURNAL
Pipeline Technology Journal (ptj)
www.pipeline-journal.net
## EXHIBITOR REGISTRATION

**PIPELINE TECHNOLOGY CONFERENCE & PIPE AND SEWER CONFERENCE 2016**  
23-25 May 2016, Estrel Berlin, Berlin, Germany  
Exhibition Stand Booking Form

**EXHIBITOR**

<table>
<thead>
<tr>
<th>Company</th>
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<tbody>
<tr>
<td>Title / First Name / Last Name</td>
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<td>Position</td>
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<tr>
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<tr>
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<td>Country</td>
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<td>Phone / Fax</td>
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<td>Email</td>
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**EQUIPPED STANDARD BOOTH**

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<tr>
<th>6 sqm, 4,200 € + VAT</th>
<th>12 sqm, 7,700 € + VAT</th>
<th>18 sqm, 9,200 € + VAT</th>
<th>24 sqm, 11,700 € + VAT</th>
<th>36 sqm, 16,700 € + VAT</th>
<th>____ sqm, 4,200 € (for 6 sqm) + 2,500€ (per additional 6 sqm unit) + VAT</th>
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Included services: walls, 1 table, 2 chairs, power supply, wastepaper basket, 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)

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

VAT No. (if applicable): ______________________

**Signature**  
Date

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Due to space limitations in the exhibition hall this offer is subject to availability. Exhibition bookings are not considered CONFIRMED until payment is received. Fees are payable after receipt of invoice.
DELEGATE REGISTRATION

PIPELINE TECHNOLOGY CONFERENCE & PIPE AND SEWER CONFERENCE 2016
23-25 May 2016, Estrel Berlin, Berlin, Germany
Delegate Registration Form

DELEGATE

Company

Title / First Name / Last Name

Position

Address

Postcode / City

Country

Phone / Fax

Email

PAYMENT METHOD

☐ By bank transfer after receipt of invoice (only possible until 30 April 2016, later registrations have to be made via credit card)

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

Signature

Date

Group packages available on request

Participation fee includes: entrance to conference and exhibition (Pipeline Technology Conference and Pipe and Sewer Conference), printed proceedings, lunch, beverages, snacks, tickets for get-together (23 May) and dinner invitation (24 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 80 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 organisers reserve 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.

☐ yes ☐ no I will take part at the dinner invitation on 24 May (included in the registration fee)

☐ yes ☐ no I would like to take along my spouse/partner to the dinner invitation on 24 May at an extra charge of 50 Euro + VAT (only available for “Regular” registrations)

Regular 740 Euro + VAT 820 Euro + VAT 920 Euro + VAT

Students * 60 Euro + VAT 80 Euro + VAT 100 Euro + VAT

* please attach certificate of enrolment

Signature

Date