

15TH PIPELINE TECHNOLOGY CONFERENCE

30 MAR. - 2 APR. 2020, ESTREL CONGRESS CENTER, BERLIN, GERMANY



EVENT GUIDE CONFERENCE & EXHIBITION

Diamond Sponsor



Platinum Sponsors



Golden Sponsors



Silver Sponsors





WELCOME TO THE 15TH PIPELINE TECHNOLOGY CONFERENCE

EUROPE'S LEADING PIPELINE CONFERENCE AND EXHIBITION

- HIGHLY INTERNATIONAL
- CROSS-SECTORAL
- WIDELY SUPPORTED



900+ PARTICIPANTS



50+ DIFFERENT NATIONS



100+ SPEAKERS



DELEGATIONS FROM 80+ DIFFERENT PIPELINE OPERATORS FROM ALL AROUND THE WORLD



90+ EXHIBITORS



From 30 Mar. - 2 Apr. 2020 Europe's leading conference and exhibition on pipeline systems, the Pipeline Technology Conference, will take place for the 15th time.

On 30 March, a series of ptc side conferences and ptc seminars will take place, followed by the opening of the ptc conference and exhibition on 31 March.

ptc 2020 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 900 delegates and 90 exhibitors are expected to participate in the 15th ptc in Berlin.

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

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

We look forward to seeing you in Berlin.

A handwritten signature in black ink, appearing to be 'Dennis Fandrich'.

Dennis Fandrich
Pipeline Technology Conference Chairman

ADVISORY COMMITTEE

CHAIRMEN



Heinz Watzka, Senior Advisor,
EITEP Institute



Dirk Strack, Senior Advisor,
EITEP Institute

MEMBERS



Ulrich Adriany, Senior Technical
Expert, ARCADIS Deutschland



Pawan Agarwal, Vice President,
HPCL-Mittal Pipelines



Juan Arzuaga, Executive Secretary,
IPLOCA



Arthur Braga, Country Manager,
ITF Brazil



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



Cindy Dirkx, Chair, Pipeliner
Foundation



Dr. Marion Erdelen-Peppler,
Secretary General, EPRG -
European Pipeline Research Group



Tino Falley, Head of Grid
Operation, ONTRAS Gastransport



Jens Focke, CEO, BIL - Federal Ger-
man Construction Enquiry Portal



Marcelino Guedes Gomes, Pipeline
Protection Executive Manager,
Petrobras



Andreas Haskamp, Pipeline Joint
Venture Management, BP Europa
SE



Jörg Himmerich, Managing Director
/ Technical Expert, Dr.-Ing. Veenker
Ing.-ges.



Maximilian Hofmann, Managing
Director, MAX STREICHER



Dr. Thomas Hübener, Managing
Director Technical Services, Open
Grid Europe



Mark David Iden, Chief Executive
Officer, SkyData Air&Space



Andrea Intieri, Director, Pipeline
Turbomachinery Platform, Baker
Hughes



Dirk Jedziny, Vice President -
Head of Cluster Ruhr North,
Evonik Industries



Barbara Jinks, Director Govt.
Relations, GIE - Gas Infrastructure
Europe



Cliff Johnson, President, PRCI
- Pipeline Research Council Inter-
national



Dr. Mike Kirkwood, Director
- Integrity Engineering, T.D.
Williamson



Mike Liepe, Head Business Solution
Line O&G Pipelines, Siemens



Dr. Andreas Liessem, Managing
Director, Europipe



Michael Lubberger, Senior Prod-
uct Manager Pipeline, BU Utility
Tunnelling, Herrenknecht



Martin Mans, Managing Director,
LIWACOM



Brigham McCown, President,
Alyeska Pipeline Service Company



Steffen Paeper, Offshore
Engineering, South Stream
Transport



Maximilian Pfnür, Head of Projects
Oil & Gas, ILF Consulting Engineers



Bruno Pomaré, Business Develop-
ment Director, Spiecapag



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



Frank Rathlev, Manager of
Network Operations, Thyssengas



Hermann Rosen, President, ROSEN
Group



Michael Schad, Head of Sales
International, DENSO



Dr. Adrian Schaffranietz, Coordi-
nator Government Relations, Nord
Stream 2



Prof. Dr. Jürgen Schmidt, Manag-
ing Director, CSE Center of Safety
Excellence



Ulrich Schneider, Business
Development Manager
Continental Europe, KTN



Guntram Schnotz, Expert / Pipeline,
TÜV SÜD Industrie Service



Anand Kumar Tewari, Executive
Director, Indian Oil Corporation



Asle Venas, Senior Principal Pipe-
line Specialist, DNV GL



Bernd Vogel, Head of Network
Department, GASCADE
Gastransport



Roger Vogel, Sales Manager - EURA,
Baker Hughes



Paul Waanders, Int. Sales
Manager, Maats Pipeline
Professionals



Thomas Wolf, CEO, NDT Global



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

CONFERENCE PROGRAM

MONDAY, 30 MARCH 2020

PTC SEMINARS (7 Seminars)

EITEP Reception (for invited advisory committee members, session chairs, speakers, sponsors and exhibitors only)

PTC CONFERENCE

TUESDAY, 31 MARCH 2020

Opening / Welcome

Keynote Speech
"Innovative Projects Platform of the European Gas Pipeline Operators - Paving the Way for a Decarbonized European Gas Grid"

Plenary Session
"Eurasian Pipeline Forum - Linking East and West"

Panel Discussion
"Safety in Design and Construction of Pipelines"

1.1 Inline Inspection	2.1 Digitalization	3.1 Hydrogen / Power-to-X	4.1 Construction	5.1 Materials	6.1 Operational Improvement
-----------------------	--------------------	---------------------------	------------------	---------------	-----------------------------

ptc Get-together Party in the Exhibition Hall

PTC EXHIBITION

WEDNESDAY, 1 APRIL 2020

1.2 Inline Inspection	2.2 Stress Corrosion Cracking	3.2 Leak Detection	4.2 European Digging Request Procedures	5.2 Pipes and Sewers	6.2 Planning and Design
1.3 Inline Inspection	2.3 Offshore Technologies	3.3 Third Party Interference	4.3 Environmental Impact	5.3 Repair	6.3 Planning and Design
1.4 Integrity Management	2.4 Offshore Technologies	3.4 Illegal Tapping	4.4 Geohazards	5.4 Corrosion	6.4 Management / Qualification
1.5 Integrity Management	2.5 Offshore Technologies	3.5 Monitoring	4.5 Geohazards	5.5 Corrosion / Coating	6.5 Academic Updates

ptc Dinner Invitation (separate registration required)

PTC EXHIBITION

THURSDAY, 2 APRIL 2020

Plenary Session
"World Pipeline Outlook"

Panel Discussion
"The Energy Mix of Tomorrow: Future Fuels in the Pipeline"

Closing Remarks

PTC EXHIBITION

PTC WORKSHOPS
 (free access for all delegates)

PTC ROUND TABLES
 (free access / for pipeline operators only)

PTC CONFERENCE



TUESDAY, 31 MARCH 2020

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

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



Welcome

Dennis Fandrich, Director Conferences, EITEP Institute, Germany

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



"Innovative Projects Platform of the European Gas Pipeline Operators - Paving the Way for a Decarbonized European Gas Grid"

Stephan Kamphues, President, ENTSOG (European Network of Transmission System Operators for Gas), Belgium

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



Session Chair

Heinz Watzka, Senior Advisor, EITEP Institute, Germany



"Transcontinental cooperation within the framework of the International Association of Oil Transporters"

Jaroslav Kocian, Chairman of the Board, CEO, JSC „MERO ČR“, Czech Republic



"Austria - A natural gas hub linking East and West"

Stefan Wagenhofer, Managing Director, GAS CONNECT AUSTRIA, Austria



"topic to be announced"

Nicola Battilana, CEO, Hellenic Gas Transmission System Operator (DESFA) SA, Greece



"Developments in the East Med: Opportunities and challenges with pipeline projects"


Elfride Covarrubias Villegas, Business Development Manager, Oil & Gas Mediterranean, DNV GL, Norway



"topic to be announced"

Kristóf Terhes, Chief Executive Officer, FGSZ, Hungary

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

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

13:30-15:00 Panel Discussion: "Safety in Design and Construction of Pipelines" (Hall Europa)

"The basis for the safe operation of a pipeline is laid in the design and construction phase. A large number of technical services and procedures must be seamlessly inter-linked. A consistent safety culture, proven standards, comprehensive training of all parties involved, and lessons learned behavior are essential."



Session Chair

Dirk Strack, Senior Advisor, EITEP Institute, Germany



Panelist

Dr. Thomas Jung, Director Project Division, MAX STREICHER, Germany



Panelist

Kathrin Kortenbach, Senior Manager Projects, Logistics - Pipelines, Evonik Technology & Infrastructure GmbH, Germany



Panelist

Robert Linder, Head of Sales Oil&Gas, Liebherr-Werk Telfs GmbH, Austria



Panelist

Bruno Pomaré, Business Development Director / Director of the Board of IPLOCA, SPIECAPAG, France



Panelist

Dr. Ashokanand Vimalanandan, Center of Competence Corrosion Protection, Open Grid Europe GmbH, Germany

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

<p>Session Chair: Mike Kirkwood, Director Pipeline Integrity Engineering, T.D. Williamson, United Arab Emirates</p>	<p>Session Chair: Emmanuel Opuene Anozie, Business Development Manager – Pipeline Ecosystems, DNV GL, Norway</p>	<p>Session Chair: Guntram Schnotz, Expert / Pipeline, TÜV SÜD Industrie Service GmbH, Germany</p>	<p>Session Chair: Bruno Pomaré, Technical Director, Spiecapag, France</p>	<p>Session Chair: Marion Erdelen-Peppler, Secretary General, "EPRG - European Pipeline Research Group", Germany</p>	<p>Session Chair: Dave Norton, Senior Advisor Hawk Consultants LLC, United States</p>
15:30-17:30 (Hall Europa)	15:30-17:30 (Room 2)	15:30-17:30 (Room 3)	15:30-17:30 (Room 4)	15:30-17:30 (Room 5)	15:30-17:30 (Room 6)
Session 1.1 Inline Inspection	Session 2.1 Digitalization	Session 3.1 Hydrogen / Power to X	Session 4.1 Construction	Session 5.1 Materials	Session 6.1 Operational Improvement
<p>"Real-time gauge positioning and inspection during pigging operations in gas pipeline" Giuseppe Giunta, Technical Authority Manager, Eni S.p.A. Development Operations & Technology, Italy</p> <p>"Calculation of a laser-scan-like 3D defect profile from conventional MFL Data (for more-accurate defect assessment and prediction of safe operating pressure)" Johannes Otto Emil Palmer, Expert, Rosen Technology and Research Center, Germany</p> <p>"Maximising accuracy of MFL pipeline inspection" Ben Scott, Product Line Manager, Magnetics, Baker Hughes, United Kingdom</p> <p>"Eclipse – the solution to replace Hydrostatic testing with ILI for Low Frequency ERW" Marcus Le Roy, Integrity Engineer, Marathon Petroleum, United States; Rogelio Guajardo, Global Manager Data Analysis UC, NDT Global, Germany</p>	<p>"Applying an Industry 4.0 philosophy to pipeline integrity, the future beyond digitalisation." Aidan Charlton, Senior Engineer – Digital Modelling Integrity, Penspen Ltd., United Kingdom</p> <p>"Key cyber-security controls for reliable pipeline operation" Jean-Francois Wirrmann, Oil & Gas Cyber-security Officer, SIEMENS AG, Germany</p> <p>"Digitalization projects for the Oil and Gas Industry" Michael Barth, SCADA/Telecom Engineer, ILF Consulting Engineers, Germany</p> <p>"Digitalisation of Pipeline systems" Stephen Hill, Midstream Oil & Gas Pipelines Sales Specialist, Honeywell Process Solutions, United Kingdom</p>	<p>"Hydrogen in action" Roy van Elteren, Head of Integrity Solutions, ROSEN, Netherlands</p> <p>"Blending hydrogen into existing gas grid: opportunities and challenges for pipeline e-motor compressor system design" Thomas Alban, R&D manager, Baker Hughes - Thermodyn, France</p> <p>"Hydrogen in Natural Gas" Rainer Kurz, Manager, Systems Analysis, Solar Turbines Inc., United States</p> <p>"How to transform the gas infrastructure to incorporate hydrogen" Niko Bosnjak, Head of Regulatory and Public Affairs, ONTRAS Gastransport GmbH, Germany</p>	<p>"Construction of pipelines in steep terrain with cable crane systems" Joachim Seyr, Sales Manager, LCS Cable Cranes GmbH, Austria</p> <p>"Europe's Gas Supply Network: Key projects for trenchless methods and Pipe Express" Diana Rennkamp, Sales Engineer Pipelines, Herrenknecht AG, Germany; Michael Lubberger, Head of Business Division Pipeline, Herrenknecht AG, Germany</p> <p>"Pipeline Girth Weld Strength Matching Requirements" William Bruce, Senior Principal Engineer & Group Leader, Welding Technology, DNV GL, United States</p> <p>"Spec Breaks: Application of the Codes to Launchers and Receivers" Alan Morton, Director, Product Development, TD Williamson, United States</p>	<p>"The influence of bursting on nature gas pipeline by full size test" Kun Yang, Senior Engineer, State Key Laboratory for Performance and Structural Safety of Oil Industry Equipment Materials, Tubular Goods Research Institute of CNPC, China</p> <p>"Simulation of JCO-E line pipe fabrication process" Spyros Karamanos, Professor of Structural Mechanics, University of Thessaly, Greece</p> <p>"Experience with lined and clad pipelines" Asle Venas, Senior Principle Pipeline Specialist, DNV, Norway</p> <p>"Corrosion-resistant plastic pipes with permeation barrier for safe transport of contaminated fluids from industrial processes or exploration" Thorsten Spaeth, Head of Business Unit Industry, egeplast international GmbH, Germany</p>	<p>"ISO Standards supporting safe and efficient pipeline operation" Ulrich Adriany, Senior technical expert & project manager, ARCADIS Germany GmbH, Germany</p> <p>"Business and operational improvements from integrating pipeline scheduling and operating systems." Paul Dickerson, Product Manager, Emerson, United States; Kevin Webb, Emerson, United States</p> <p>"Transneft: Production of Drag Reducing Agents (DRA)" Rasim Mingazetdinov, Director of Strategy Development Dept, Transneft, Russian Federation</p> <p>"Wax Assessment and Management for Production Pigging" David Cockfield, Applications and Business Development Manager, Pipeline service solutions provider, Switzerland</p>



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

<p>Session Chair: Michael Beller, Head of Global Market Strategy Asset Care, ROSEN Group, Germany</p>	<p>Session Chair: Ulrich Schneider, Business Development Manager Continental Europe, KTN, Norway</p>	<p>Session Chair: Martin Mans, Managing Director, LIWACOM, Germany</p>	<p>Session Chair: Jens Focke, CEO, BIL - Federal German Construction Enquiry Portal, Germany</p>	<p>Session Chair: Marguerite Ford, Vice Chair, Young Pipeline Professionals Europe, United Kingdom</p>	<p>Session Chair: tba</p>
09:00-10:15 (Hall Europa)	09:00-10:15 (Room 2)	09:00-10:15 (Room 3)	09:00-10:15 (Room 4)	09:00-10:15 (Room 5)	09:00-10:15 (Room 6)
Session 1.2 Inline Inspection	Session 2.2 Stress Corrosion Cracking	Session 3.2 Leak Detection	Session 4.2 European Digging Request Procedures	Session 5.2 Pipes and Sewers	Session 6.2 Planning and Design
<p>"Paradigm Busted - Pinhole Detection Utilizing UHR Axial MFL and Caliper ILI" Mark Olson, President, ENTEGRA SOLUTIONS, United States</p> <p>"Combined Sensor Module for Detection of Far and Near Side Metal Loss Defects in Carbon Steel Petroleum Pipelines using Intelligent Pipeline Inspection Gauges" Purushottam Kashinath Nimje, Chief Research Manager, Indian Oil Corporation Limited, India</p> <p>"ILI of small diameter ethylene pipeline network" Basil Hostage, Business Development, 3P Services GmbH & Co. KG (Company), Germany; Christoph Sur, Sales & Operations Manager, 3P Services GmbH & Co. KG (Company), Germany</p>	<p>"Detection of Non-Axial Stress Corrosion Cracking (SCC) using MFL Technology" Mike Kirkwood, Director - Integrity Engineering, T.D. Williamson, United Arab Emirates</p> <p>"Stress Corrosion Cracking (SCC) Susceptibility Screening Enhancement" Nauman Tehsin, Senior Integrity Engineer, Saudi Arabian Oil Company (Saudi Aramco), Saudi Arabia</p> <p>"Prediction of the risk of circumferential stress corrosion cracking by analysis of digital twins." Aidan Charlton, Senior Engineer - Digital Modelling Integrity, Penspen Ltd., United Kingdom</p>	<p>"Pipeline integrity assessment applications by using vibroacoustic technology" Marco Marino, Business Development Manager & Director (CEO), SolAres JV, Italy</p> <p>"Selection, Implementation and Use of Software Based Leak Detection Systems on Existing Cross Country Pipelines" Sofka Werkmeister, Global Process Automation Technology Leader for MSP (Mining, Storage and Pipelines) and Manufacturing 4.0 leader for MSP and Energy, Dow, United States</p> <p>"Additional functionalities of model based leak detection systems to improve pipeline safety and efficiency" Kai Brünenberg, Head of Research and Development Leak Detection Systems, KROHNE, Germany</p>	<p>"Digital communication supports construction safety and energy turnaround" Eva Benz, Business Development, BIL eG, Germany</p> <p>"The French Way: Ensuring digital communication and damage prevention through private initiatives catalysing the nationwide call before you dig regulation implementation and improvement" Damien Schmitz, Chief Marketing Officer, Sogelink, France</p> <p>"Towards a National Underground Asset Register" Carsten Roensdorf, Strategic Product Manager, NUAR Delivery Partner, Ordnance Survey, United Kingdom</p>	<p>"GRP Piping Failures" Ali Assi, Technical Manager, Amiantit Qatar Pipes Co, Qatar</p> <p>"Use of Low Voltage Conductivity to Conduct a 10km Inspection of Legacy Cured-In-Place Pipe (CIPP) for a Leak Assessment Project" Chuck Hansen, Chairman and Chief Executive Officer, Electro Scan Inc., United States</p> <p>"System Reliability Improved through Directional Drilling in Fast Track Force Main Replacement" Kishen Prathivadi, Acting General Manager, Sewer Authority Mid-Coastside, United States; Timothy Monahan, Project Manager, SRT Consultants, United States</p>	<p>"Geo Augmented Visualization for improving safe operations of natural gas pipeline network" Yogin Gajjar, Officer, GSPL India Transco Limited, India</p> <p>"Zero Harm As An Achievable Target - How To Build A Journey Towards Zero For People, Significant Impacts On The Environment And The Community" Julia Costa, Health and Safety Coordinator, Nova Transportadora do Sudeste S/A - NTS, Brazil</p> <p>"Surge protection for insulating joints - suitable spark gaps and evaluation of the installation" Manfred Kienlein, Global Account Manager, DEHN SE + Co. KG, Germany</p>

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

<p>Session Chair: Danny Molyneux, Chair, Young Pipeline Professionals Europe, United Kingdom</p>	<p>Session Chair: Steffen Paepel, Offshore Engineering, Sout Stream Transport, Netherlands</p>	<p>Session Chair: Dr. Axel Scherello, Project Leader CHARM, Open Grid Europe GmbH, Germany</p>	<p>Session Chair: tba</p>	<p>Session Chair: Dirk Strack, Senior Advisor, EITEP Institute, Germany</p>	<p>Session Chair: tba</p>
11:15-12:30 (Hall Europa)	11:15-12:30 (Room 2)	11:15-12:30 (Room 3)	11:15-12:30 (Room 4)	11:15-12:30 (Room 5)	11:15-12:30 (Room 6)
Session 1.3 Inline Inspection	Session 2.3 Offshore Technologies	Session 3.3 Third Party Interference	Session 4.3 Environmental Impact	Session 5.3 Repair	Session 6.3 Planning and Design
<p>"Pigging Experience And Advanced Technologies Combined For Overcoming A Challenging Pipeline Inspection Project" Andrea Bologna, Managing Director, TECMA, Italy</p> <p>"Simulation of the Dynamic Behavior of Inspection Tools in Pipelines at High Pressure Differences" Thobias Kreitzberg, Research Team Leader, en2Aix - energy engineering Aachen GmbH, Germany; Jochen Stratmann, Integrity Management, Open Grid Europe GmbH, Germany</p> <p>"Cost-effective ultrasonic inspection of large diameter pipelines: technology update and case study." Ries Augustijn, Manager Technology Center, Intero Integrity Services B.V., Netherlands; João Gonçalves, Intero Integrity Services B.V., Netherlands</p>	<p>"Flexible Flowline Subsea Connection Conversion System" Giuseppe Rizzo, Technical Solutions Manager, Oceaneering International Services Ltd, United Kingdom</p> <p>"Motion Method Selection for Improved Accuracy of Time-Domain Analysis for Subsea Installation" Hayley Welsh, Senior Pipeline Design & Analysis Engineer, PDI Ltd., United Kingdom</p> <p>"Risk Based Acoustic Inspection Plan for Offshore Pipelines" Arne Spliet, Director, IRM Systems, Netherlands</p>	<p>"Machine Learning Approach to Distributed Acoustic Sensors (DAS) for Securing Pipelines in Urban Areas" Emre Sahinoglu, Machine Learning Engineer, ASEL-SAN, Turkey</p> <p>"100km pipeline monitoring: record length for intrusion and leakage detection" Eran Inbar, CEO, Prisma Photonics, Israel</p> <p>"An Increasing Concern - Third Party Interference Damage On Buried Pipelines. An European Case Study" Yannick Joubeaux, CEO, OVERPIPE, France</p>	<p>"Adapting oil & gas pipeline projects to climate change" Andreas Antoniou, Geotechnical Engineer, National Technical University of Athens, Greece</p> <p>"Emission quantification and structural reduction" Cindy Verhoeven, Technical Sales Manager, The Sniffers, Netherlands</p> <p>"Enhancing Energy Efficiency and Reducing Greenhouse Gas Emissions through Innovation and Renewables Integration" Ernesto Nasini, Pressure Vessels & Heat Exch. Lead Engineer, Baker Hughes, Italy</p>	<p>"Repairing Defects on Pipelines DGMK-Research Report 781" Michael Huss, Pipeline Engineer, OMV, Austria</p> <p>"Why apply EN-13480 to Split Tee for Hot Tapping and Isolation?" David Stordeur, Senior Product Manager - Hot Tapping & Plugging, T.D. Williamson, Belgium</p> <p>"Experience and best practices in the field of inspection and repair of trunk pipelines crossings at water obstacles" Alexander Ivanov, Director General, Transneft UW Services, JSC, Russian Federation</p>	<p>"Challenges in the hydraulic simulation of slurry transportation through pipelines" Fabian Proch, Senior Discipline Engineer Consulting / Technical Calculations, MMEC Mannesmann, Germany</p> <p>"A new method based on Bayesian theory and "N-1" Principles to calculate the reliability of natural gas pipelines" Bo XU, Senior Supervisor, PetroChina Pipeline Company, China</p> <p>"No-dig renovation of pressure pipelines, re-connection techniques and case studies" Firmino Pires Barbosa, Sales Director International, RELINEEUROPE / RELINEAPTEC, Germany</p>

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

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

<p>Session Chair: Ulrich Adriany, Senior Technical Expert, ARCADIS Deutschland, Germany</p>	<p>Session Chair: Asle Venas, Senior Principal Pipeline Specialist, DNV GL, Norway</p>	<p>Session Chair: Olu-benga Adebayo, Head, Pipelines & Flowlines Shell Nigeria, Nigeria</p>	<p>Session Chair: Christoph Ladenhauf, Project Manager, Senior Engineering Geologist, ILF Consulting Engineers, Austria</p>	<p>Session Chair: Michael Schad, Director Sales Pipelines International, DENSO, Germany</p>	<p>Session Chair: tba</p>
14:00-15:15 (Hall Europa)	14:00-15:15 (Room 2)	14:00-15:15 (Room 3)	14:00-15:15 (Room 4)	14:00-15:15 (Room 5)	14:00-15:15 (Room 6)
<p>Session 1.4 Integrity Management</p> <p>""Mind the Gap!"" - Pipeline Integrity Framework" Roy van Elteren, Head of Integrity Solutions, ROSEN, Netherlands, Jochen Spalink, Head of Business Line, ROSEN, Netherlands</p> <p>"Moving boundaries of crack detection inspection services - from amplitude-based depth estimation to absolute depth sizing - The Next Generation of Crack Inspection" Thomas Hennig, Technology Advisor, NDT Global, Germany, Steven Bott, Manager Integrity Reliability, Enbridge Liquid Pipelines, Canada</p> <p>"Pigging for Purpose; Selecting Pigs for Your Pipeline Needs" Alan Morton, Director, Product Development, TD Williamson, United States</p>	<p>Session 2.4 Offshore Technologies</p> <p>"Inspecting And Operating Extraordinary Pipeline: The Longest And The Most Challenging Sub Sea Pipeline In Indonesia" Dela Agung Septriady, Head of District, PT PERTAMINA GAS, Indonesia</p> <p>"North Sea Winter-shall Dea Case Study" Christoph Seeber, Project Leader Data Analysis UM, NDT Global, Germany, Holger Hintelmann, General Manager Upstream Facilities, Wintershall Dea, Germany</p> <p>"Lesson learned on 20 years of challenges to internal corrosion protection of subsea pipelines- Corrosion inhibitor or pH stabilization?" Reza Ghorbani, Head of corrosion, South Pars Gas Complex, Iran, Islamic Republic of</p>	<p>Session 3.4 Illegal Tapping</p> <p>"Advancements in leak and theft detection technologies." Harry Smith, Sales and Research Engineer, Atmos International, United Kingdom</p> <p>"ILI Inspection Technique Aimed to Illegal Tap Detection" Rodrigo Antunes, Engineering Manager, PIPEWAY ENGENHARIA LTDA, Brazil</p> <p>"The Integrated Solution of Distributed Acoustic Sensing, Fibre Optic Technology with Unmanned Aerial Vehicles (UAVs) for a Rapid Response to Protect Pipelines." Stuart Large, Product Line Director & Business Development, Fotech Solution, United Kingdom</p>	<p>Session 4.4 Geohazards</p> <p>"The Impact of Geohazards on the Trans Anatolian Natural Gas Pipeline Project - TANAP" Klaus Robl, TANAP Lead Geologist, ILF Consulting Engineers, Austria</p> <p>"Risk Assessment Of Pipelines Exposed To Geohazards" Jens P. Tronskar, CTO, DNV GL, Singapore</p> <p>"Real-time remote monitoring and risk management of oil & gas facilities subjected to natural hazards" Prodromos Psarropoulos, Senior Teaching and Research Associate, National Technical University of Athens, Greece</p>	<p>Session 5.4 Corrosion / Coating</p> <p>"Advanced Corrosion Growth Modeling In Pipelines For Repair Optimization" Nader Al-Otaibi, Supervisor, Integrity Management Unit, Saudi Arabian Oil Company (Saudi Aramco), Saudi Arabia</p> <p>"Probabilistic Pipeline Integrity Assessment of Corrosion Using In-Line Inspection Data" Andrew Doyle, Senior Engineer, ROSEN, United Kingdom</p> <p>"Case Study: Severe External Corrosion on Aboveground Un-Scrapable Pipeline under Culvert." Qurban Ali, Senior Corrosion Engineer, Saudi Arabian Oil Company (Saudi Aramco), Saudi Arabia</p>	<p>Session 6.4 Management</p> <p>"Control Room Management (CRM)" Rafael Feldman, General Manager of Logistics and Control Integrated, Petrobras Transporte SA, Brazil</p> <p>"Standardization Cooperation Strategies and Practices for Oil and Gas Pipelines of "The Belt and Road Initiative" Bing Liu, Director of standardization Department, PetroChina Pipeline R&D Center, China</p>

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

<p>Session Chair: Thomas Wolf, CEO, NDT Global, Germany</p>	<p>Session Chair: Asle Venas, Senior Principal Pipeline Specialist, DNV GL, Norway</p>	<p>Session Chair: Dr. Axel Scherello, Project Leader CHARM, Open Grid Europe GmbH, Germany</p>	<p>Session Chair: Christoph Ladenhauf, Project Manager, Senior Engineering Geologist, ILF Consulting Engineers, Austria</p>	<p>Session Chair: Michael Schad, Director Sales, Pipelines International, DENSO, Germany</p>	<p>Session Chair: Cindy Dirckx, Chair, Pipeliner Foundation, Netherlands</p>
15:45-17:30 (Hall Europa)	15:45-17:30 (Room 2)	15:45-17:30 (Room 3)	15:45-17:30 (Room 4)	15:45-17:30 (Room 5)	14:00-15:15 (Room 6)
<p>Session 1.5 Integrity Management</p> <p>"Holistic data integration for pipeline lifecycle management" Stefan Klein, Technical Advisor, GASCADE Gastransport GmbH, Germany; Erik Sau-erwald, Technical Advisor, GASCADE Gastransport GmbH, Germany</p> <p>"Energy Efficiency Benchmarking Method - a unique tool for saving energy and money" NN, IAOT, Czech Republic</p> <p>"Pipeline Integrity Management System for Gas Compressor Stations" Ilya Ryakhovskikh, Deputy Head of the Centre, Gazprom VNIIGAZ, LLC, Russian Federation; Vera Podolskaia, Deputy Head of the Laboratory, Gazprom VNIIGAZ, LLC, Russian Federation; Oleg Burutin, Head of Division, Gazprom, PJSC, Russian Federation</p> <p>"In Line Inspection Of Both Axial And Bending Strains, A More Comprehensive Approach To Define Pipeline Strain Conditions" Mohamed ElSeify, Product Manager - AXISS, Baker Hughes, Canada</p>	<p>Session 2.5 Offshore Technologies</p> <p>"Balticconnector - More than a Regional Pipeline" HerKKo Plit, President and CEO, Baltic Connector Oy, Finland</p> <p>"NORPIPE - freespan remediation in the German Wadden Sea" Achim Birk, Senior Project Engineer, Installations & Pipelines, DNV GL, Germany</p> <p>"Friction Stir Welding of Steel for Pipeline Fabrication" Grégory Toguy-eni, Principal Welding and Materials Engineer, Subsea 7, France</p> <p>"Quantitative Pipeline Risk Assessment (Qpiratm) For Fire And Gas Dispersion Analysis Of A Subsea Pipeline Using Consequence Modelling" Shaikh Abdullah Othman, Petroliaam Nasional Berhad (PETRONAS), Malaysia</p>	<p>Session 3.5 Monitoring</p> <p>"Overcoming challenges in the performance validation of fiber-optic pipeline leak detection systems" Chris Minto, Engineering Director, OptaSense Ltd, United Kingdom</p> <p>"Overcoming the Challenges and Increasing Value in Fiber Optic Monitoring" Steven Koles, President & CO, Hifi Engineering, Canada</p> <p>"Large Stand-off Magnetometry (LSM) for buried pipelines inspection : Experimental study of the influence of dent depth on the residual magnetic signal" Patrick Viltart, Scientific and technical manager, Skipper NDT, France</p> <p>"OMEGA Fiber Optic Monitoring System: New Features for Technological Security of Transneft Pipelines" Aleksey Turbin, Advisor to Director General, OMEGA - Transneft, Russian Federation</p>	<p>Session 4.5 Geohazards</p> <p>"Design of tanks' foundation and onshore pipeline against earthquake-related geohazards in a coastal area in Northern Greece" Andreas Antoniou, Geotechnical Engineer, National Technical University of Athens, Greece</p> <p>"Multidisciplinary landslide assessment - a systematic and practicable approach for pipeline projects" Christoph Prager, Department for Engineering Geology and Hydrogeology, ILF Consulting Engineers Austria GmbH, Austria</p> <p>"Concreting As A Mitigation Activity For Deformed Lines In Sub-fluvial Crossings" Julian Francisco Gamba Gomez, mechanical stress analyst, Petrotesting, Colombia</p> <p>"Simulating the response of offshore gas pipelines subjected to submarine landslides under static and seismic conditions" Yiannis Tsompanakis, Assoc Professor, Technical University of Crete, Greece</p>	<p>Session 5.5 Corrosion / Coating</p> <p>"Evaluation of cleanliness, roughness and test method standards in relation to coating quality" Dinko Cudic, Senior Technical Advisor, Monti Werkzeuge GmbH, Germany</p> <p>"3 Layer Heat Shrink Technology with "Gel-State" Epoxy Installation" Marcia Navarro, Product Development Manager, SEALFORLIFE INDUSTRIES, United States</p> <p>"Alkali resistance of coatings - Will tests of cathodic disbondment provide reliable statements to this question ?" Thomas Löffler, Head of Business & Engineering Development, DENSO GmbH, Germany</p> <p>"Over-Voltage Protection on Pipelines" Jay Warner, Manager - International Business Development, Dairyland Electrical Industries, United States</p>	<p>Session 6.5 Academic Updates</p> <p>"Comparison And Linking Between Ldpm And Fdem Modeling For Fracturing In Concrete" Gil Lifshitz Sherzer, Postdoctoral Fellow, University of Toronto, Canada; Dr Younes Fadakar Alghalandis, Senior Research Scientist, University of Toronto, Canada</p> <p>"A Novel Chemical Method for Surface Preparation of 3LPE Before Applying Liquid Epoxy as a Field-Joint-Coating" Mohamadyousef Azimi, PhD Applicant, University of British Columbia, Canada</p> <p>"Pipeline shore crossing approaches in Arctic conditions" Lesana Kurbonshoeva, Graduate, Gubkin University, Russian Federation</p> <p>"Prediction of Leak Mass Rate in High-Pressure Gas Pipeline" Fang Yuan, Ph.D. student, Department of Mechanical Engineering, National University of Singapore, Singapore</p>

from 18:15: Dinner Invitation "Trabrennbahn Mariendorf (Harness Racing Track)" (departure of busses from the Estrel main entrance)

09:00-10:30 Plenary Session "World Pipeline Outlook" (Hall Europa)



Session Chair

Dennis Fandrich, Director Conferences, EITEP Institute, Germany



"The outlook for global energy markets and the long-term role of natural gas infrastructure"

Dr. Peter Zeniewski, Lead Gas Analyst, IEA - International Energy Agency, France



"Recent Changes in the Brazilian Pipeline Industry and Opportunities Going Forward"

André Chiarini, CEO Advisor, Logistics, Petrobras, Brazil



"Poland's Role as Gas Hub for Eastern Europe"

Slawomir Sieradzki, Director of Gas Market Development Division, GAZ-SYSTEM S.A., Poland



"The Trans Adriatic Pipeline: A challenging pipeline project ranging from 2,100 meters above sea level to 810 meters beneath the sea"

John Haynes, Project Director, Trans Adriatic Pipeline AG, Switzerland

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

11:00-12:30 Panel Discussion "The Energy Mix of Tomorrow: Future Fuels in the Pipeline" (Hall Europa)



Session Chair

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



Panelist

Peter Adam, Head of Hydrogen Business Development, Siemens O&G, Germany



Panelist

Steinar Eikaas, Vice President Low Carbon Solutions, Equinor, Norway



Panelist

Dr. Dina Lanzi, Head of Technical Hydrogen, Snam, Italy



Panelist

Dr. Alexandra Loukou, Project Manager, DVGW Research Centre at Engler-Bunte-Institute (EBI), Karlsruhe Institute of Technology (KIT), Germany



Panelist

Luca Maria Rossi, Vice President Technology Turbomachinery & Process Solutions, Baker Hughes, Italy

12:30-12:50 Closing (Hall Europa)



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

Dennis Fandrich, Director Conferences, EITEP Institute, Germany



Closing Remarks

Heinz Watzka, Senior Advisor, EITEP Institute, Germany

12:50-13:30 Closing Lunch Break in the Exhibition Hall

from 14:00 Workshops / Round Tables



CONFERENCE TOPICS

(ONSHORE AND OFFSHORE, ALL PRESSURE LEVELS)

1

PLANNING AND CONSTRUCTION

Planning and Design • Route Analysis and Selection • GIS • GPS • Onshore and Offshore Construction • Construction Machinery • Valves & Fittings • Line Pipe Materials • Welding • Hydrostatic Testing • Trenchless Technologies • Logistics • Pipe Tracking • Cathodic Protection • Corrosion Control • Pipeline Coating • Compressor Stations • Pump Stations

2

OPERATION AND MAINTENANCE

Asset Management • Risk Management • Integrity Management • SCADA Systems • Automation • Monitoring • Control and Dispatching • Cleaning • Inline Inspection • Unpiggable Pipelines • Direct Assessment • Leak Detection • Remote Sensing • Fiber Optic Sensing • Instrumentation • Simulation • Drag Reducing Agents • Rehabilitation of Ageing Pipelines • Repair Works • Hot Tapping • Life Cycle Extension Strategies • Third Party Impact • Illegal Tapping • Management Systems

3

SPECIAL ISSUES

Safety • Security • Qualification and Recruitment • Energy Recovery • Digitalization • Cyber Security • Big Data • LNG versus Pipeline • Standards and Regulations • Environmental Risks • Public Perception • Unmanned Aerial Vehicles (UAVs) • Remotely Operated Vehicles (ROVs) • Climate Challenges (cold, hot, humid) • Geohazards / Natural Disasters • Smart Grids / Smart Metering • Power-to-X • Hydrogen • E-Fuels - Feed-in of Biogas • Carbon Dioxide Transport • Gathering Pipelines (Upstream) • Riser Systems • Product Pipelines • Water Pipelines • Slurry Pipelines

4

PANEL DISCUSSIONS / WORLD PIPELINE OUTLOOK

The Pipeline Technology Conference is officially opened and closed with panel discussions and plenary sessions dedicated to current and emerging issues of the international pipeline industry.

SPEAKING OPPORTUNITIES

ABSTRACT SUBMISSION



ALL REQUIRED DATA MUST BE SUBMITTED VIA ONLINE FORM AT

WWW.PIPELINE-CONFERENCE.COM/CALL-FOR-PAPERS

Interested speakers are invited to submit an abstract (max. 300 words) describing the main ideas of their paper together with the presenter's CV (max. 200 words).

- Abstracts should not focus on company presentation but on technical/managerial classifications, R&D, new technologies or recent case studies.
- Your abstract should avoid the use of a language that is commercial in tone.
- Joint presentations between pipeline operators and technology providers are welcome.
- If you have already presented this abstract in the past, you can still submit it, but you must indicate when and where it was presented in the past.
- All abstracts will be reviewed in the ptc Advisory Committee.
- Confirmed speakers are requested to provide a multi-page paper for publication in the conference proceedings.

Each speaker gets a presentation time of 20 minutes. Papers will be published via the official ptc smartphone app and distributed to the conference attendees. All papers will also be published in our ptc Pipeline Open Knowledge Base.

All speakers are requested to register for a regular conference ticket (confirmed speakers from pipeline operators attend free-of-charge, poster session presenters benefit from a reduced entrance fee).

Technical papers of authors who do not attend the conference to present their papers may not be included in the online database and future conferences.

Conference language: English.



DEADLINES



DEADLINE FOR ABSTRACT SUBMISSION
30 SEPTEMBER 2019



NOTIFICATION OF ABSTRACT ACCEPTANCE:
15 NOVEMBER 2019



FINAL CONFERENCE PAPER DUE:
15 JANUARY 2020

STAND BOOKING

What are the options?

SIGN UP NOW!

For registration as exhibitor, visit
www.pipeline-conference.com/stand-booking

Questions? Please contact Mr. Marian Ritter, +49 511 90992-15

STAND BASICS

Every stand booking includes basic equipment and various services.

For only 600 EUR you get:

- 1 conference ticket
- 2 exhibition tickets (upgrade to conference tickets: 1,200 EUR)
- 3.5 kW power supply, 1 table, 2 chairs, walls
- Logo, link, profile in the final event guide and on the ptc website
- Valid with booking of at least 12 sqm exhibition space (350 EUR / sqm)

EXHIBITOR DISCOUNTS

As exhibitor, you get discounts on many ptc services:

- Exclusive access to **ptc Exhibition day tickets** (Day tickets only available to exhibitors and their customers)
- 10 % discount on additional conference tickets for yourself or your customers
- 10 % discount on advertisements in the Pipeline Technology Journal
- Possibility to publish news in the Pipeline Technology Newsletter
- More discounts available to sponsors

STAND UPGRADES

Sometimes, basic equipment does not suffice. For these cases we have something for you:

- Advertisements in the printed event guide
- Advertisements on our 21 sqm screen withing the exhibition hall
- Placing an exhibit outside your stand
- Holding a workshop after the ptc
- Offering a highlight at the get-together party near your stand
- Stand equipment and prepared packages from our partner LÜCO
- Of course, we are open for your ideas.

BOOK YOUR STAND NOW

For details on the pricing and to book your stand, visit: www.pipeline-conference.com/stand-booking

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



Do business on the ptc and hold meetings outside the show floor with attendees, partners, executives and staff. We offer private meeting rooms right next to the Lounge. Time slots are available on a first-come, first-served basis.



FLOOR PLAN

Booking process:

Choose your preferred stand(s) and we will allocate you there if still possible. First come, first serve.

Available stands:

12 sqm:

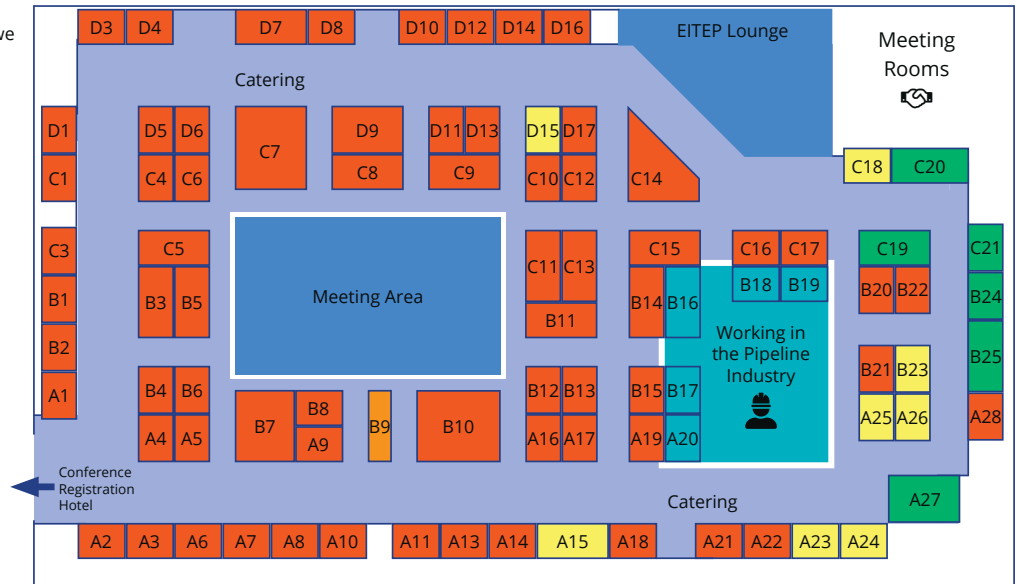
A23, A24, A25, A26
B9, B23, B24
C18, C21
D15

18 sqm:

A15
C19, C20

24 sqm:
A27

- Stand booked
- Stand reserved
- Stand reserved for sponsors
- Stand available
- Working in the Pipeline Industry



State as of 20 February 2019

EXHIBITION PROGRAM

All coffee and lunch breaks will take place within the exhibition hall. The lounge is always open as are the meeting rooms.

Tuesday, 31 March:

08:00 – 19:30

17:30 - 19:30: get-together Party

Wednesday, 1 April:

09:00 – 17:30

Thursday, 2 April:

09:00 – 14:00

EITEP LOUNGE SERVICES



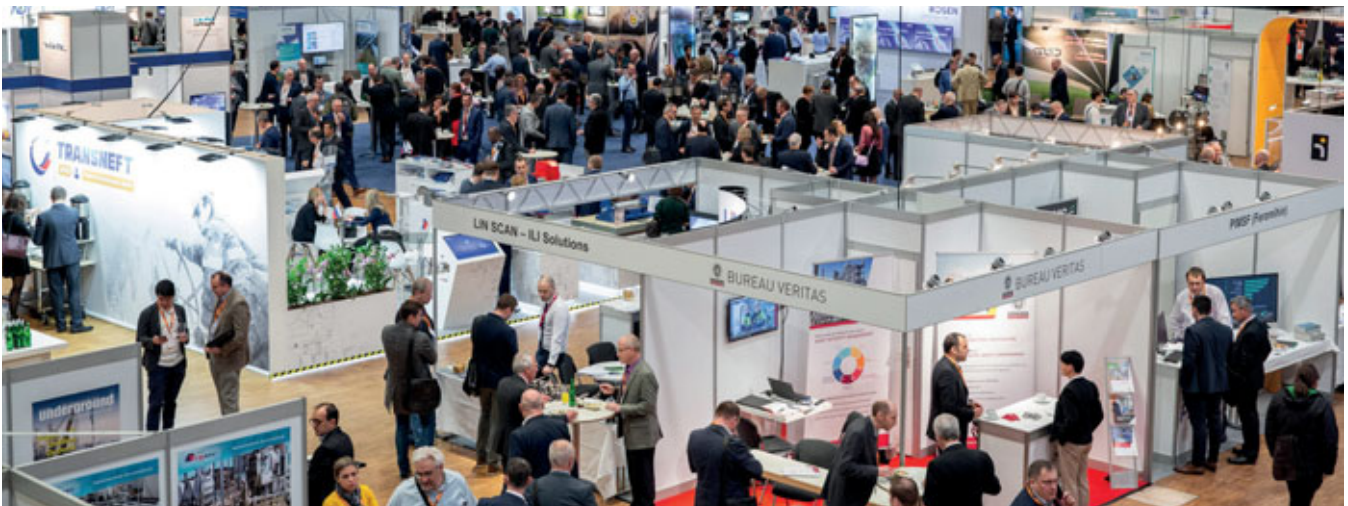
Media Lounge



Free Coffee Supply



Meeting Rooms



SPONSORSHIP OPPORTUNITIES

Increase worldwide awareness for your organization's products and services and be recognized as a key supporter of ptc. No matter the size of your company, you will find a sponsorship level to fit your budget.

DIAMOND SPONSOR

PLATINUM SPONSOR

GOLDEN SPONSOR

SILVER SPONSOR

The four main sponsorship levels (Diamond, Platinum, Gold and Silver) are available to promote your brand and showcase even **before the conference begins** in Berlin.

Exclusive benefits of the main sponsorship levels:

- **From the day of the booking:** You will be included in all future ptc marketing and publicity activities with your company name and logo displayed in prominent position including both online and offline multi-media communication (brochures, advertisements, websites, banners, proceedings, signage in the exhibition area and in all conference rooms, etc.).
- Up to 12 free conference tickets for you and your business partners.
- Exhibition booth in your preferred location within the exhibition hall.



MORE SPONSORSHIP OPPORTUNITIES TO REACH NEW BUSINESS

Catering Stands at the Get-together Party

Dinner Invitation

Conference App

Exhibition Hall Video Screen

Lanyards

Conference Coffee Breaks / Lunch Breaks

Student Conference Scholarship Program

Photo Contest
"What is it like to work in the pipeline industry?"

Individual Packages on Request

For a complete list of sponsoring opportunities, please contact:
Mr. Admir Celovic, Tel +49 511 90992-20, E-mail: ptc@eitep.de

SOCIAL PROGRAM

GET-TOGETHER PARTY

TUESDAY, 31 MARCH
EXHIBITION AREA

SPONSORSHIP AVAILABLE

BACKGROUND

The get-together is the big party of the ptc, which takes place in the whole exhibition hall with all participants of both conference and exhibition. At ptc 2020, for the first time, there will be a rich selection of different food and beverage stations on various exhibition stands. All participants are invited to take part in the traditional get-together raffle.

PARTICIPANTS

All conference and exhibition participants.

Dress code: Business casual



DINNER INVITATION

WEDNESDAY, 1 APRIL
TRABRENNBAHN MARIENDORF
(HARNESS RACING TRACK)

SPONSORSHIP AVAILABLE

BACKGROUND

This year conference participants are invited to visit the Trabrennbahn Mariendorf, one of the most successful harness racing tracks in Germany, hosting more than 650 races a year. And it is also one of the most beautiful sites with imposing chestnut trees surrounding 32 stables on the 24 hectare site. A particular treat for the eyes is the Art Nouveau grandstand that fortunately survived the war. The location boasts not only **high-quality drinks and meals** but a **horse race at night** will highlight the evening for the participating pipeliners. **After the horses are presented, the pipeliners can also bet on their favorites.** The dinner and race will make Europe's leading pipeline conference and exhibition one long remembered.

PARTICIPANTS

Additional registration required (**limited to 300 persons**, first come first serve):

Conference delegates: + 50 Euro

Exhibition participants: + 100 Euro

Spouses / partners are invited to take part at the same price.

Dress code: Smart casual

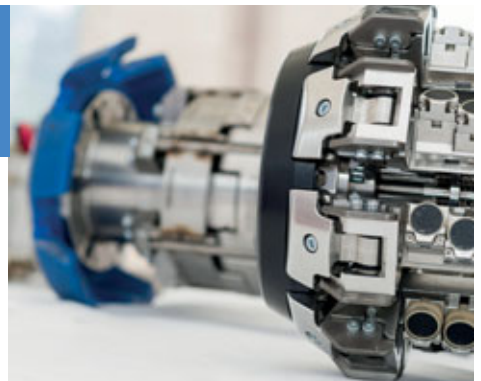


PTC SEMINARS



MONDAY, 30 MARCH 2020, 09:00-17:00, ESTREL, BERLIN

In-Line Inspection of Pipelines

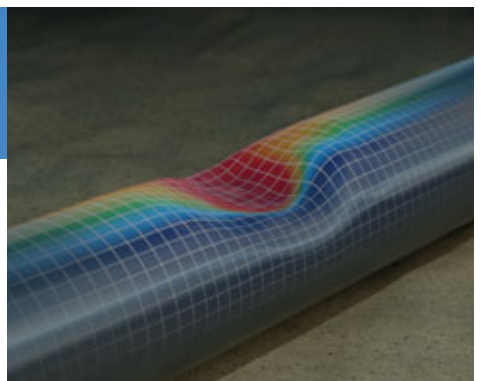


Lecturer: **Dr. Michael Beller**

Estrel, Berlin

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

Pipeline Defect Assessment



Lecturer: **Dr. Phil Hopkins**

Estrel, Berlin

Oil and gas transmission pipelines can contain defects such as cracks, gouges, dents, and corrosion. These defects can be assessed using 'fitness for purpose' methods. This assessment allows pipeline operators to demonstrate their pipelines are safe to operate without the need to repair many of these defects. The following topics will be covered: • Oil and Gas, and Pipelines • Pipeline Design and Key Parameters • Why Pipelines Fail • Fracture Mechanics and Fatigue • Corrosion Assessment Methods • Assessing Mechanical Damage • Crack Assessment

Risk Assessment and Management of Pipeline Projects subjected to Geohazards



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

Estrel, Berlin

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

PTC SEMINARS



MONDAY, 30 MARCH 2020, 09:00- 17:00, ESTREL, BERLIN

Pipeline Life-cycle Extension Strategies



Lecturer: **Heinz Watzka**

Estrel, Berlin



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

Pipeline Corrosion Awareness



Lecturer: **Dr. Roger King**

Estrel, Berlin



The course is intended to provide an overview of internal and external corrosion and failure of pipelines by cracking mechanisms. Delegates will be introduced to the different internal and external corrosion mechanisms and the methods of deciding which corrosion mechanism is most relevant to inline and spot inspection findings. The following topics will be covered: • Corrosion Statistics for Pipelines • Internal Corrosion Mechanisms • External Corrosion Mechanisms • Corrosion Risk Assessment • Corrosion Control • Questions and Answers

REGISTRATION INFORMATION

- Each 1-days seminar 800 Euro + VAT only (reduced price for ptc delegates)
- Incl. seminar documentation, catering, certificate
- Registration Deadline: 28 February 2020
- Visit www.pipeline-conference.com/seminars for details and registration



MONDAY, 30 MARCH 2020, 09:00- 17:00, ESTREL, BERLIN

Illegal Tapping / Theft from Pipelines



Lecturer: **Olugbenga Adebayo**

Estrel, Berlin



The seminar will provide an overview of the growing challenge of Illegal Tapping / Theft from Pipelines. This global menace has seen an explosive growth in the last 10 years across Latin America, Africa, Europe, Russia and Asia. The illegal tapping phenomenon has created a major concern for operators, industry, environmentalist, governments and other stakeholders around the world.

Difficult to Inspect Pipelines



Lecturer: **Dr. Konrad Reber**

Estrel, Berlin



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

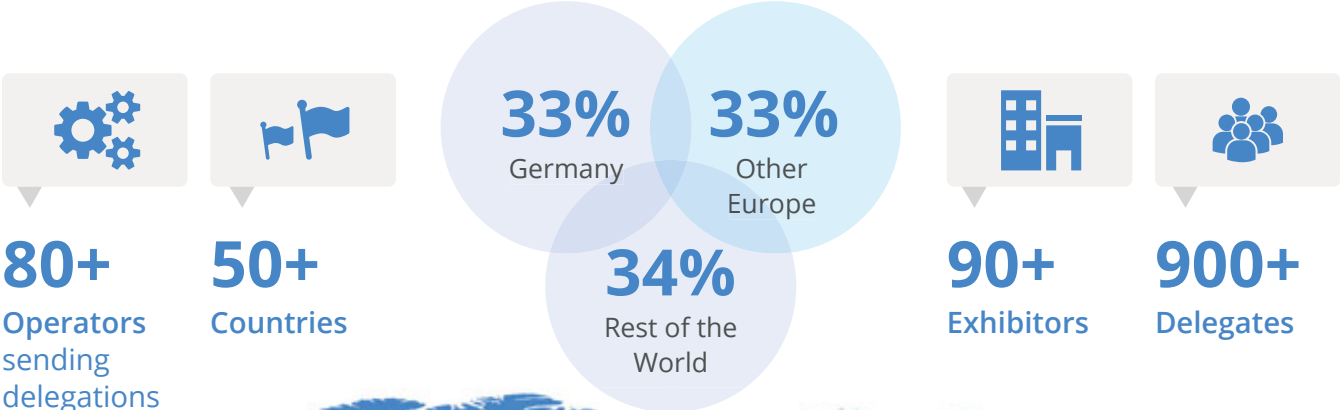
REGISTRATION INFORMATION

- Each 1-days seminar 800 Euro + VAT only (reduced price for ptc delegates)
- Incl. seminar documentation, catering, certificate
- Registration Deadline: 28 February 2020
- Visit www.pipeline-conference.com/seminars for details and registration



DEMOGRAPHY

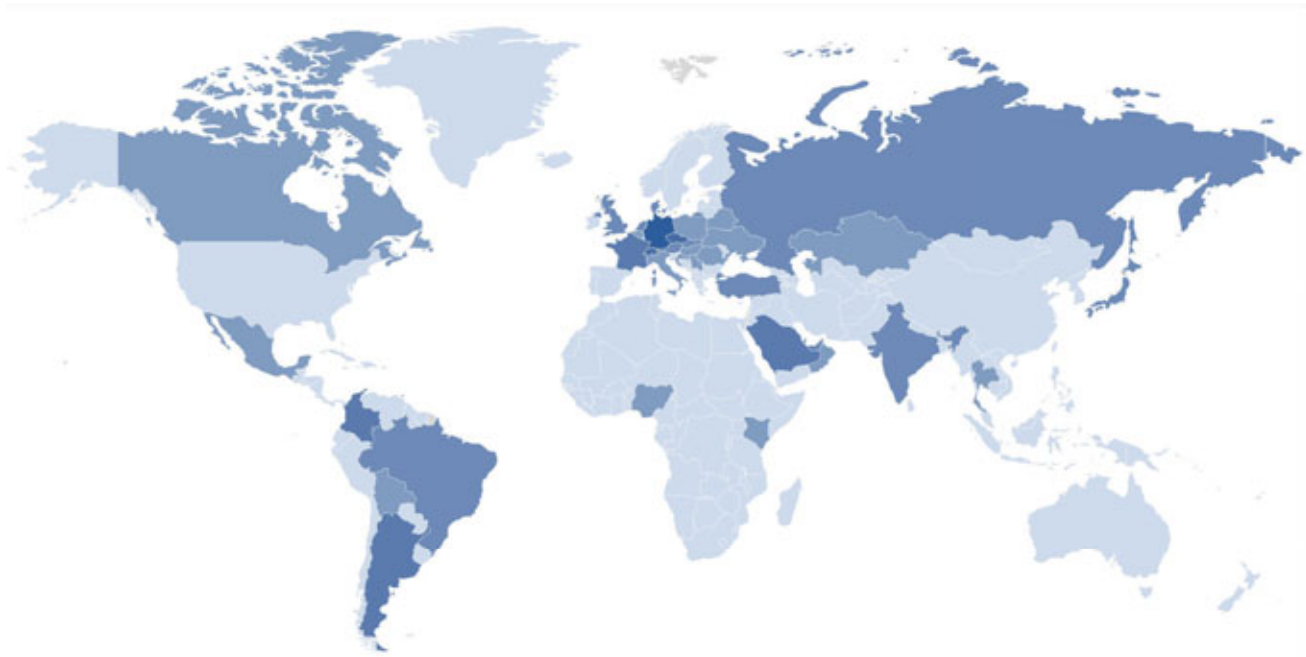
The ptc community - quick facts



Origin of the ptc participants

PARTICIPATING OPERATORS

From all over the world



Botas, Turkey	GAZ-SYSTEM, Poland	Nord Stream, Switzerland	Shell UK, United Kingdom
BPA, United Kingdom	Gazprom, Russia	Nord-West Oelleitung, Germany	SLOVNAFT, Slovakia
Genit Transporte y Logística de Hidrocarburos, Colombia	GridServices, Czech Republic	Nova Transportadora do Sudeste - NTS, Brazil	South Stream Transport, Netherlands
Čepro a.s., Czech Republic	Gomeltransneft Druzhba, Belarus	Oléoduc du Jura Neuchâtelois, Switzerland	SPMR, France
CONPET, Romania	Hindustan Petroleum Corporation Limited, India	Oleoductos del Valle, Argentina	Swissgas AG, Switzerland
Covestro, Germany	Heide Refinery, Germany	Ontras, Germany	TAL Group, Austria
Danish Central Oil Stockholding Entity (FDO), Denmark	IBN ZAHR, Saudi Arabia	Open Grid Europe, Germany	TANAP, Turkey
Danish Defense, Denmark	INPEX, Japan	Partex Oil and Gas / ADNOC Gas Processing, U.A.E.	Teiseki Pipeline Company, Japan
Dow Benelux, The Netherlands	JANAF, Croatia	PEMEX, Mexico	TenneT, Germany
Dow Olefinverbund, Germany	Kenya Pipeline Company, Kenya	Petrobras, Brazil	TRANSCO, United Arab Emirates
Ecopetrol, Colombia	KazTransOil, Kazakhstan	PDO, Oman	Transportadora de Gas Internacional, Colombia
Eni, Italy	MERO, Czech Republic	PTT Public Company Limited, Thailand	Transnafta Pancevo, Serbia
Evonik, Germany	MetroGAS, Argentina	Qatargas, Qatar	Transneft, Russia
ExxonMobil Production Deutschland, Germany	MOL, Hungary	Rhein-Main-Rohrleitungstransportgesellschaft, Germany	Transpetrol, Slovakia
Fluxys TENP, Belgium	MVL Schwedt, Germany	Saline Water Conversion Corp., Kingdom of Saudi Arabia	TRAPIL, France
GAIL, India	National Gas Company of Trinidad and Tobago	Saudi Aramco, Saudi Arabia	Ukransnafta, Ukraine
Gas Connect Austria, Austria	Net4Gas, Czech Republic	Shell Nigeria, Nigeria	Uniper, Germany
Gascade Gastransport, Germany	Netze BW, Germany		Vermilion Energy, Canada
GASO, Latvija	Nord Stream 2, Switzerland		YPF, Argentina
			YPFB TRANSPORTE, Bolivia

This is a listing of the participating operators attending ptc 2019. It shows the high reputation the ptc conference and exhibition enjoys with pipeline operators from all over the world. In 2019 more than 180 delegates from 80 different pipeline operators took part.

MARKETING FRAMEWORK

Promoting sponsors and exhibitors

PTC MARKET PENETRATION

Take advantage of the international reach and appeal of ptc with a multi-faceted marketing program designed specifically to benefit the sponsors and exhibitors appearing at ptc 2020.

PRE-EVENT MARKETING

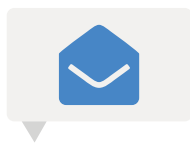
- Adverts in Media Partner Journals
- ptc Website
- Pipeline Technology Journal (ptj)
- ptc + ptj Newsletter
- Press Releases
- Social Media Activities
- Brochures
- Direct Mailings
- Promotion at Networking Events

MARKETING AT THE EVENT

- Banner and Screens within the Venue
- Brochure in Conference Bag
- ptc Smartphone App
- 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)



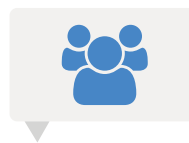
30K
Verified
Addresses



19
Media
Partners



19
Supporting
Associations



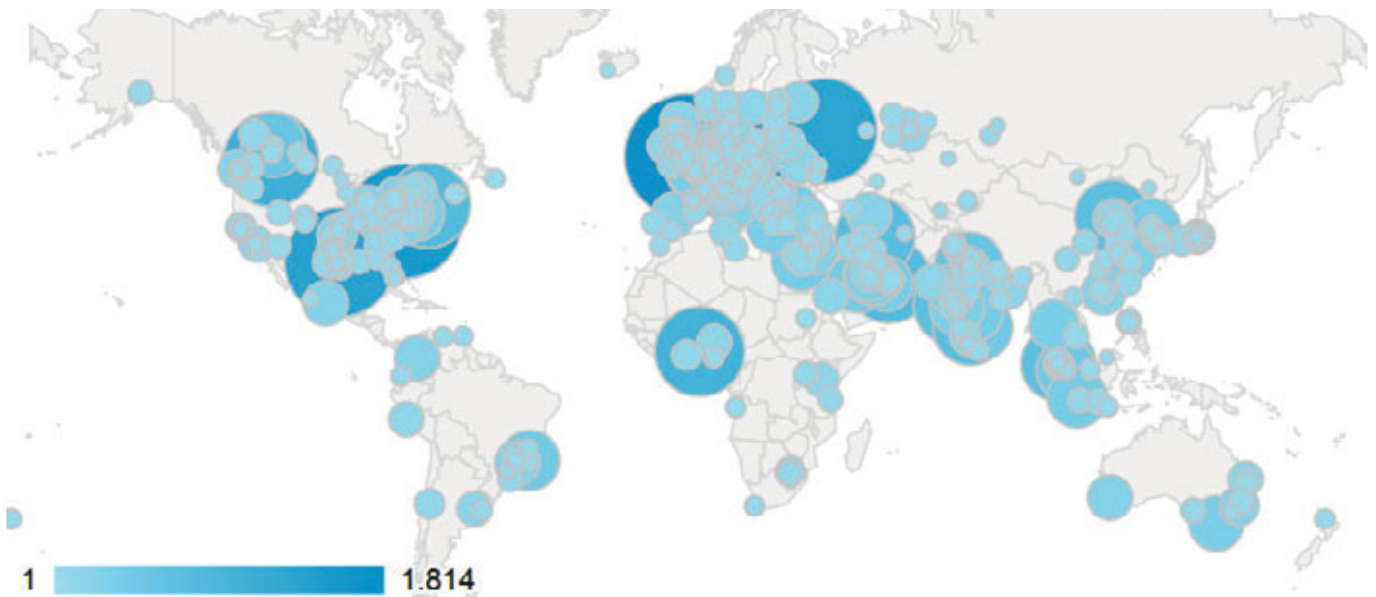
42
Advisory
Committee
Members







>3K
Followers
on social
networks

WORLD-WIDE COVERAGE

The Pipeline Technology Conference website



			
66K	240K	2:27	184
Unique Visitors within 12 months	Page Views within 12 months	Minutes average time a visitor spends on the website	Countries web visitors are coming from all over the world

HIGH TRAFFIC
on the ptc website means a higher brand awareness for our sponsors and exhibitors. The ptc website provides frequently updated quality content and we are continuously working on driving relevant traffic.

(Apr. 2018 - Mar. 2019, data according to Google Analytics)

PIPELINE TECHNOLOGY JOURNAL (PTJ)

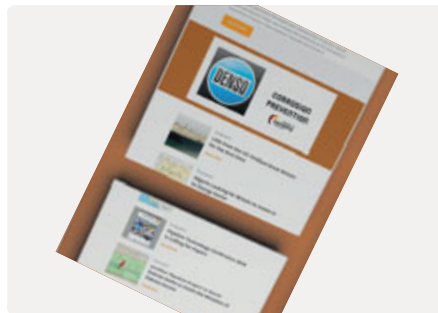
Additional marketing and media coverage



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



ptj eJournal



ptj newsletter



ptj website

SERVICES FOR YOUR CORPORATE COMMUNICATION

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

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

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

GENERAL INFORMATION

ACCOMMODATION

ESTREL BERLIN
Sonnentallee 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 3 Feb. 2020. Please contact the hotel directly and make your own reservation as soon as possible with reference to "ptc 2020".

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

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

ADDITIONAL MARKETING AND MEDIA COVERAGE



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

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

www.pipeline-journal.net

PHOTO CREDITS

Philip Wilson / EITEP
Thomas Nietiedt / Nord Stream 2
Anna Heskamp / ROSEN Group
Sander van Rootselaar / TurkStream
Pieter de Boer / A. Hak
Wolfgang Scholvien / visitBerlin



QUICK FACTS



ORGANIZER

EITEP - Euro Institute for Information and Technology Transfer
Marie-Jahn-Str. 20 • 30177 Hannover • Germany • www.eitep.de



CONFERENCE MANAGEMENT

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



EXHIBITION MANAGEMENT

Marian Ritter
+49 511 90992-15, ptc@eitep.de



VENUE

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



CONFERENCE LANGUAGE

English



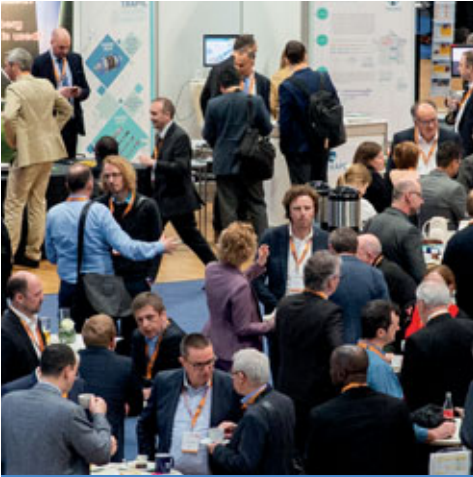
STUDENTS AND YOUNG PROFESSIONALS AT PTC

Student Jobs @ ptc
ptc Mentorship Program



ADDITIONAL MARKETING AND MEDIA COVERAGE

Pipeline Technology Journal (ptj)
www.pipeline-journal.net



EUROPE'S BIGGEST PIPELINE EVENT

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

After starting as a small side event of the huge HANNOVER MESSE trade show in 2006 in Hannover, the Pipeline Technology Conference developed into Europe's biggest pipeline conference and exhibition. Since 2012 the EITEP Institute organizes the ptc on its own and moved the event to Berlin in 2014. The 15th ptc will again be a record breaking event.

OPERATORS

INCREASING SHARE

Over the last years the number of delegations from different pipeline operators increased steadily. At the last ptc delegations from 80 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 33% of the delegates coming from Germany. In 2019 delegates from 54 different countries attended the 14th ptc in Berlin. The share of delegates from abroad is increasing from year to year.



© visitBerlin, - Photo: Wolfgang Scholvien



VISIT BERLIN

THE THRIVING GERMAN CAPITAL

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

PARTICIPATION REGISTRATION

15TH PIPELINE TECHNOLOGY CONFERENCE
30 Mar. - 2 Apr. 2020, Estrel, Berlin, Germany

**REGISTER
NOW!**



ONLINE REGISTRATION IS NOW OPEN AND AVAILABLE AT:

WWW.PIPELINE-CONFERENCE.COM/REGISTRATION



FULL EVENT TICKET

(30 Mar. - 2 Apr. 2020)

REGISTRATION
FEE

PTC CONFERENCE + PTC EXHIBITION + PTC SEMINAR

1,800 EUR

PTC CONFERENCE + PTC EXHIBITION + PTC SIDE EVENT

1,600 EUR

+ DINNER INVITATION (OPTIONAL)

on Wednesday, 1 April (limited to 300 participants)

(+ 50 EUR)
*spouse tickets
also available*

Included Services: entrance to conference and exhibition, entrance to one seminar or side event of your choice, full access to the conference proceedings containing all abstracts and papers, lunch, beverages, snacks, ticket for get-together party on Tuesday



CONFERENCE TICKET

(31 Mar. - 2 Apr. 2020)

REGISTRATION
FEE

PTC CONFERENCE + PTC EXHIBITION

1,200 EUR

PTC CONFERENCE + PTC EXHIBITION (FULL-TIME STUDENTS)

80 EUR

+ DINNER INVITATION (OPTIONAL)

on Wednesday, 1 April (limited to 300 participants)

(+ 50 EUR)
*spouse tickets
also available*

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



EXHIBITION TICKET

(31 Mar. - 2 Apr. 2020)

REGISTRATION
FEE

PTC EXHIBITION

250 EUR

+ DINNER INVITATION (OPTIONAL)

on Wednesday, 1 April (limited to 300 participants)

(+ 100 EUR)
*spouse tickets
also available*

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



SEMINARS AND SIDE EVENTS

(30 Mar. 2020)

REGISTRATION
FEE

PTC SEMINAR

800 EUR

PTC SIDE EVENT

600 EUR

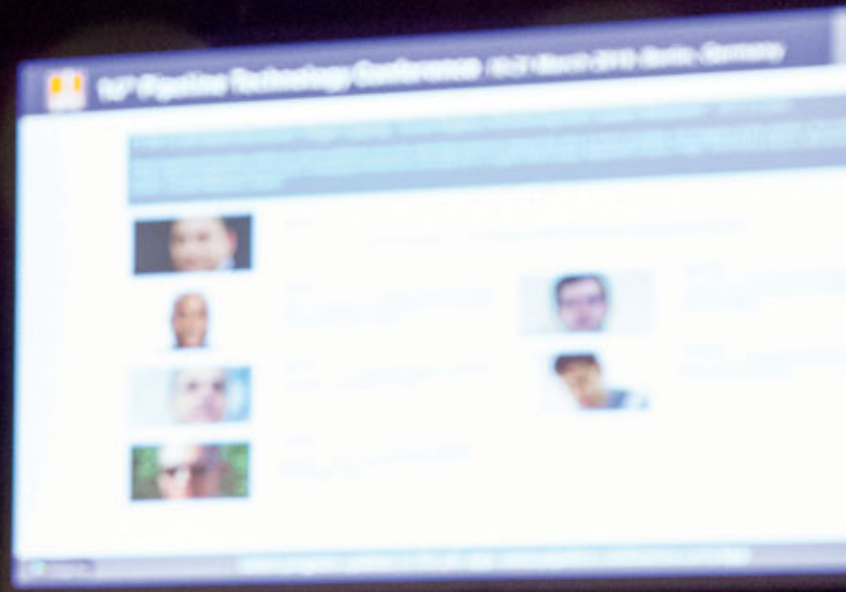
*All prices excluding German VAT. Group discounts on request.
Terms and Conditions: see www.pipeline-conference.com/registration*

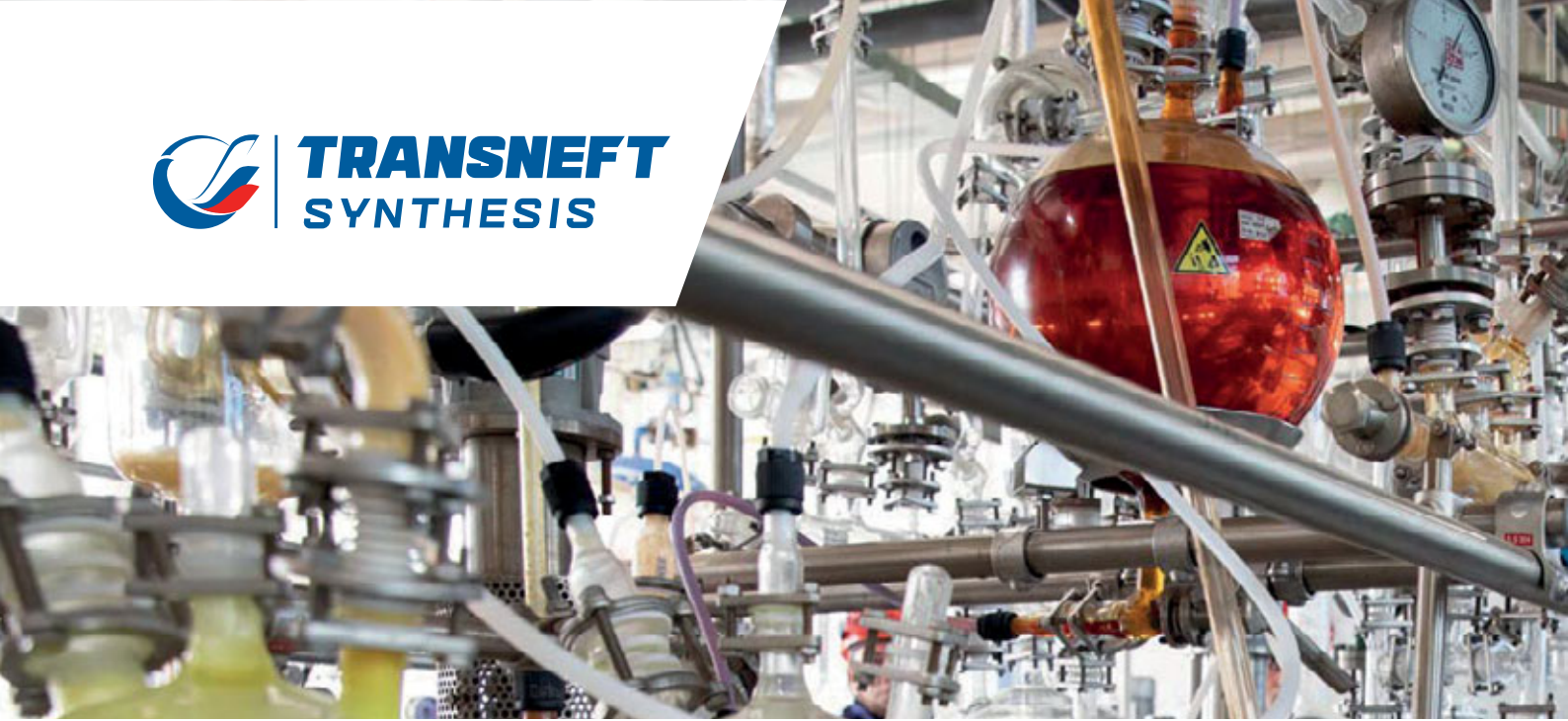
ROSEN

ntero

TRANSNEFT







Full production cycle of drag-reducing agents for crude oil and petroleum products transportation:
from the active polymer component synthesis
to the marketable products preparing

PT FLYDE drag-reducing agents



for crude oil



for crude oil, gas condensate, petroleum products



for crude oil, gas condensate, petroleum products

Increasing trunk and oilfield pipelines throughput and operation lifetime, increasing energy efficiency of crude oil and petroleum products pipeline transportation

- High drag reduction performance
- Innovative technology of complete production cycle
- One-stage polymer production
- In-house catalyst production

- Advanced equipment
- High level of process automation
- Modern laboratory facilities
- Multi-stage finished product quality management system



TRANSNEFT SYNTHESIS LLC

423600, Russia, Republic of Tatarstan,
Elabuga, SH-3 str., bld. 6
Phone: +7 (85557) 2-41-70
Email: info@snz.transneft.ru



A DEEPER INSIGHT



We make an informed decision and prompt execution

Fathom™ is a technology company that provides **Industrial IoT** and **AI solutions** services.

Its digital transformation enablement delivers valuable insight to **make an informed decision** and **prompt execution**.



ONE COMPANY
INNOVATIVE TECHNOLOGY
ULTIMATE PROTECTION



SEALING THE FUTURE

Committed to never compromising on quality, and always pushing the boundaries to bring you new and innovative technologies for the corrosion challenges of tomorrow.

We are Seal For Life, the only solution provider who can offer you the ultimate innovative corrosion prevention technologies, and advise on the most appropriate solution, without bias.

Versatile and unique, always.

Please visit us at **stand number B15**

sealforlife.com



STOPAQ®
SELF-HEALING
CORROSION PREVENTION



COVALENCE
HEAT SHRINKABLE
TECHNOLOGY



POLYKEN®
PIPELINE TAPE
TECHNOLOGY



POWERCRETE®
LIQUID PIPELINE
COATING



ANODEFLEX™
CATHODIC PROTECTION
& AC MITIGATION



HIGHLAND INTERNATIONAL
ENGINEERED PAINT
SYSTEMS



LIFELAST®
INNOVATION THROUGH
FORMULATION



OXIFREE®
SURFACE TOLERANT
CORROSION SOLUTIONS



US COATINGS
TECHNOLOGY FOR LONG-TERM
CORROSION PROTECTION



FLAME CONTROL
FIRE RETARDANT
COATINGS



SEALFORLIFE
Industries

SIEMENS
Ingenuity for life

SIPIPE©
Integrated solutions
for oil & gas pipelines

[siemens.com/oilandgas](https://www.siemens.com/oilandgas)

**ENGINEERING EXCELLENCE.
MAKING VISIONS
A REALITY.**

ILF
CONSULTING
ENGINEERS

YOUR TRUSTED ADVISOR

ILF ranks amongst the top international pipeline engineering companies, supporting you with project management, consulting, and engineering services. Covering all project phases for oil&gas as well as hydrogen pipelines and facilities.

ILF CONSULTING ENGINEERS Werner-Eckert-Str. 7 · 81829 Munich · Germany · Tel.: +49 / 89 / 255 594 0 · info.muc@ilf.com

www.ilf.com

HDD RIG

TRENCHLESS PIPELINE INSTALLATION

With horizontal directional drilling technology from Herrenknecht, pipelines can be installed rapidly, economically and with little to no impact on the environment underneath rivers and other obstacles. Each year Herrenknecht HDD Rigs install over 200 km of new pipelines.
 > herrenknecht.com/hdd/



PIONEERING UNDERGROUND TOGETHER



Pipecheck™



VISIT US AT BOOTH A9

**THE FULL PIPE JOINT
 ADVANCED
 NDT SOLUTION**

Analyzing and reporting faster than ever, Pipecheck brings pipeline safety to a whole new level by enabling every NDT service company to now assess up to 60 ft.

CREAFORM

+49 711 1856 8030 | creaform3d.com

AMETEK
 ULTRA PRECISION TECHNOLOGIES

ATMOS
 INTERNATIONAL



Specialists in detecting and locating pipeline thefts

Pipeline theft valued at over \$37.23bn annually*

Atmos International detects 40 thefts per month on average

Visit us at stand A19
 to learn more about our pipeline theft detection solutions

* www.havocscope.com

atmosi.com

WISE CHOICE

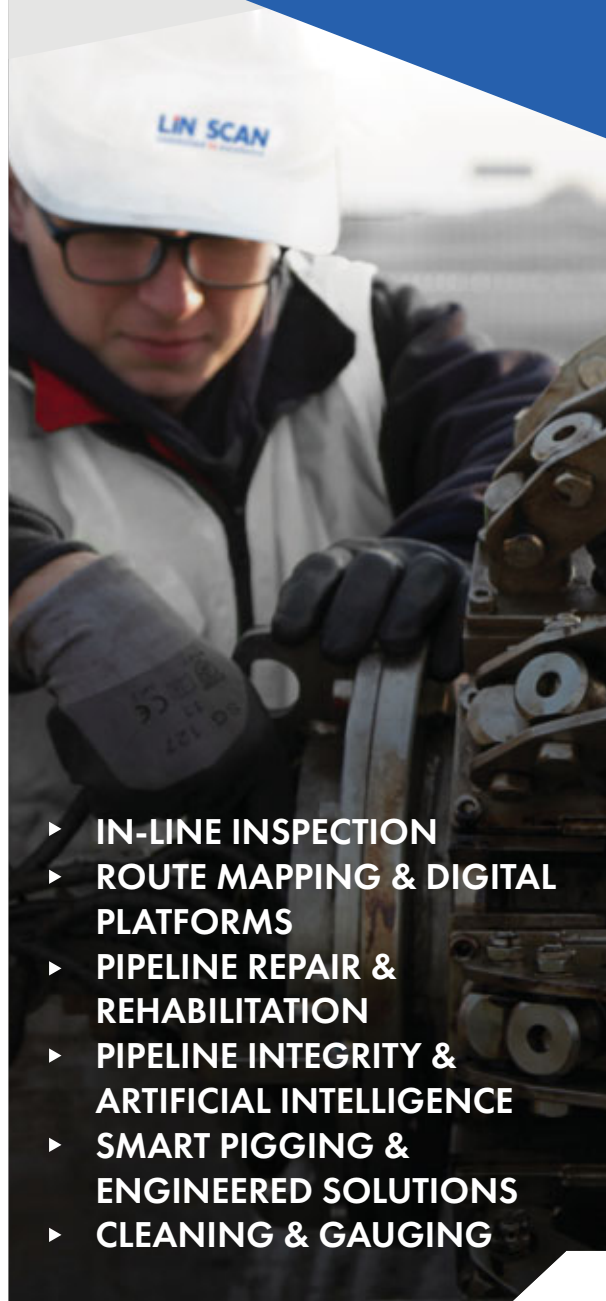
Talk about vision. Our fleet of Ultra-High-Resolution (UHR) MFL/Caliper combo tools delivers 4x the resolution.



entegrasolutions.com

ENTEGRA is a registered trademark of ENTEGRA LLP, 2020.

IN-LINE INSPECTION SOLUTIONS



- ▶ IN-LINE INSPECTION
- ▶ ROUTE MAPPING & DIGITAL PLATFORMS
- ▶ PIPELINE REPAIR & REHABILITATION
- ▶ PIPELINE INTEGRITY & ARTIFICIAL INTELLIGENCE
- ▶ SMART PIGGING & ENGINEERED SOLUTIONS
- ▶ CLEANING & GAUGING

LIN SCAN
committed to excellence

www.linscaninspection.com

premier COATINGS LTDTM

LEADERS IN CORROSION PREVENTION & SEALING TECHNOLOGY



PREMIER COATINGS LTD
Headcorn Road, Smarden
Ashford, Kent TN27 8PJ
UNITED KINGDOM
TEL: +44 (0) 1233 770 663
www.premiercoatings.com



FIND US ON STAND NUMBER: **B4**

A MEMBER OF WINN & COALES INTERNATIONAL



TIBCHEMICALS

PROTEGOL® Coating Systems

We Protect Assets



TIB Chemicals AG
BU Coating Systems
Muelheimer Strasse 16-22
68219 Mannheim
Germany
Tel.: +49 621 8901 0
Fax: +49 621 8901 902
E-Mail: info.cps@tib-chemicals.com



www.tib-chemicals.com



15TH PIPELINE TECHNOLOGY CONFERENCE
 30 MAR. - 2 APR. 2020
 ESTREL CONGRESS CENTER, BERLIN, GERMANY
 WWW.PIPELINE-CONFERENCE.COM

Pipeline Technology Conference (ptc)

@PipelineTechCon

#ptcBerlin

SPONSORS

ROSEN

empowered by technology



SUPPORTERS



MEDIA PARTNERS

