

WELCOME TO THE 16TH PIPELINE TECHNOLOGY CONFERENCE

EUROPE'S LEADING PIPELINE
CONFERENCE AND EXHIBITION
MOVES TO FULLY VIRTUAL





Every year the Pipeline Technology Conference (ptc) attracts nearly 1,000 participants from more than 50 different countries around the world. Operators, contractors, regulators, high technology innovators - all mingling and contributing their expertise and industry insight - making the ptc the premier pipeline industry event in the world.

Given the medical imperatives of our time, the 16th Pipeline Technology Conference, initially planned as a hybrid event, will morph into an online-only event.

The 16th Pipeline Technology Conference will feature the same essential success factors as a face-to-face event:

- **Knowledge Transfer:** A transfer of knowledge, for example, in the form of lectures
- **Competitive Technology Showcase:** The presentation of technologies and companies in competition, as it happens in real time in the exhibition hall
- **Networking:** Networking of participants with one another in various constellations and settings

Over the past 6 months we have gained invaluable experience with our newly launched "Virtual Pipeline Summit" event series regarding the many benefits that an online-only format can offer. With this wealth of experience, we will transform the ptc 2021 into a unique event that participants will remember for a long time to come.

In light of the participating delegations from 80 different pipeline operating companies, the ptc has always been a unique meeting place for the exchange of operator knowledge across national borders and continents. This defining characteristic of the ptc will be enhanced this year by offering free tickets for pipeline operators for the online-only event.

Thanks again to the members of the ptc Advisory Committee and to the whole ptc community for their continued support.

We look forward to seeing you online!

A handwritten signature in black ink, appearing to be 'Dennis Fandrich', written over a white background.

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



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HPCL-Mittal Pipelines



Juan Arzuaga, Executive Secretary,
IPLOCA



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Cindy Dirx, Independent Pipeline
Professional, Dirx PM&S



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



Carles Giro, Business Area
Manager, ILF Consulting Engineers



Marcelino Guedes Gomes,
Partner & Co-founder,
PIPELINEBRAZIL



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General Manager (M&I), Indian Oil
Corporation



Andreas Haskamp, Pipeline Joint
Venture Management, BP Europa
SE



Jörg Himmerich, Managing Di-
rector / Technical Expert, Dr.-Ing.
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Dr. Thomas Hübener, Managing
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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, Programme Officer
- Green Gas Delivery and Use,
IRENA



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



Dr. Mike Kirkwood, Director - Integ-
rity Engineering, T.D. Williamson



Mike Liepe, Technical Sales and
Global Projects, Siemens Energy



Dr. Andreas Liessem, Managing
Director, Europipe



Michael Lubberger, Senior Product
Manager Pipeline, BU Utility Tun-
nelling, Herrenknecht



Martin Mans, Managing Director,
LIWACOM



Brigham McCown, President,
Alyeska Pipeline Service Company



Steffen Paeper, Consultant



Bruno Pomaré, Business Devel-
opment Director, Spiecapag



Dr. Prodromos Psarropoulos,
Structural & Geotechnical Engi-
neer, National Technical University
of Athens



Frank Rathlev, Manager of
Network Operations, Thyssengas



Hermann Rosen, President,
ROSEN Group



Michael Schad, Head of Sales Inter-
national, 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



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, Vice President
EMEA, NDT Global



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

PROGRAM DRAFT

MONDAY, 15 MARCH 2021

NETWORKING DAY

PTC CONFERENCE

TUESDAY, 16 MARCH 2021

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

"Pipeline Protection"

Panel Discussion

"The African Pipeline Market"

Panel Discussion

"Pipeline Safety"

1.1 Inline Inspection

2.1 Digitalization

3.1 Pipes & Sewers

4.1 Corrosion

5.1 Repair & Maintenance

WEDNESDAY, 17 MARCH 2021

1.2 Inline Inspection

2.2 Hydrogen

3.2 Offshore Technologies

4.2 Geohazards

1.3 Integrity Management

2.3 Hydrogen

3.3 Offshore Technologies

4.3 Leak Detection

1.4 Integrity Management

2.4 Hydrogen

3.4 Trenchless Technologies

4.4 Leak Detection

1.5 Integrity Management

2.5 External Inspection

3.5 Planning & Construction

4.5 Leak Detection

THURSDAY, 18 MARCH 2021

Plenary Session

"World Pipeline Outlook"

Panel Discussion

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

Closing Remarks

VIRTUAL EXHIBITION

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PTC CONFERENCE



TUESDAY, 16 MARCH 2021 (ALL TIMES BERLIN TIME ZONE, CET)

07:30-09:00 Good Morning Coffee

09:00-09:30 Opening (Track 1)



Welcome

Dennis Fandrich, Director Conferences, EITEP Institute, Germany



Welcome

Marian Ritter, Director Exhibition, EITEP Institute, Germany

09:30-10:00 Keynote Speech (Track 1)



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

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

10:00-11:30 Plenary Session "Eurasian Pipeline Forum - Linking East and West" (Track 1)



Session Chair

Heinz Watzka, Senior Advisor, EITEP Institute, Germany



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

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



"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



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

Jaroslav Kocian, Chairman of the Governing Board, International Association of Oil Transporters, Czech Republic

11:30-13:00 Panel Discussion: "Pipeline Protection" (Track 1)



Session Chair

Fabio Evangelho, Public Affairs for Pipeline Protection, TRANSPETRO, Brazil



Panelist

Julio C. Barreto, Pipeline Protection Executive Manager, TRANSPETRO, Brazil



Panelist

Andres Mantilla, Director of the Colombian Petroleum Institute, ECOPEL, Colombia



Panelist

Otto Chaverri, Head of the Transfer Department, RECOPE, Costa Rica



Panelist

Giuseppe Giunta, Technical Authority Manager, ENI, Italy

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11:30-13:00 Panel Discussion: "The African Pipeline Market" (Track 2)



Session Chair
Olugbenga Adebayo, Director, WhetEdge Consulting, Canada



Panelist
Amine Idriss Adoum, Director, Programme Delivery and Coordination, NEPAD Agency, South Africa



Panelist
Izebe Egwaikhide, Management Consultant / Project Manager, Egwaikhide Consulting, Germany



Panelist
Ogagbano (Oga) Adejo-Ogiri, Executive Secretary, Association of Local Distributors of Gas (ALDG), Nigeria



13:00-13:30 DNV Breakout: Ask the Experts

13:30-15:00 Panel Discussion: "Safety in Design and Construction of Pipelines" (Track 1)



Session Chair
Dirk Strack, Senior Advisor, EITEP Institute, Germany



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



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



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

15:00-15:30 Networking Break

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

Session Chair: Rob van der Spek, Director Knowledge Management Advisory Services and Digital Lead, DNV, Netherlands

Session Chair: Marguerite Forde, Chair, Young Pipeline Professionals Europe, United Kingdom

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

Session Chair: Cindy Dirx, Independent Pipeline Professional, Dirx PM&S, Netherlands

15:30-17:30 (Track 1)

15:30-17:30 (Track 2)

15:30-17:30 (Track 3)

15:30-17:30 (Track 4)

15:30-17:30 (Track 5)

Session 1.1
 Inline Inspection

Session 2.1
 Digitalization

Session 3.1
 Pipes & Sewers

Session 4.1
 Corrosion

Session 5.1
 Repair & Maintenance

"Advances in In-Field ILLI Indication and Material Verification"
Phill Robson, ROSEN, United Kingdom
Tom Oldfield, ROSEN, United Kingdom

"Paperless Integrated Plant Documentation – a dream or reality?"
Otmame Zraouti, Siemens Energy, Germany

"Condition Assessment of Force Main"
Kishen Prathivadi, Sewer Authority Mid-Coastside, United States

"A Population-Based Study On The Prevalence Of Corrosion In Pipelines"
Erika Santana, ROSEN, United Kingdom

"Pipeline information modelling (BIM) for maintenance in Latvia"
Janis Berkis, ITED, Latvia
Igors Adlersbergs, ITED, Latvia

"Long Distance Inline Inspection of an Unpiggable Natural Gas Pipeline with Robotic Technology"
Roderick Lee, Intero Integrity Services, Canada

"A discussion on the benefits of modern communications for pipeline operations"
Ian Holden, ABB, United Kingdom

"A holistic approach to the integrity assessment of ageing sewer pipelines"
Sameera Naib, HDM Pipelines B.V., Netherlands

"Tape Coatings – what are the differences in manufacturing technologies and which impact do they have on the material properties?"
Luc Perrad, DENSO GmbH, Germany

"Examining the repair capability of composites on crack or crack-like features"
Casey Whalen, CSNRI, United States

"Challenges and successful finding during 36" Ultrasonic Geometry expedite development and inspection campaign, a Case Study"
Roberto Yanez, NDT Global LLC, United States
Santiago Urrea, NDT Global GmbH, Germany

"Landslide Monitoring & Effect Modelling by Analysis of Digital Twins Built With Minimal Data Input"
Aidan Charlton, Penspen (Asset Integrity / THEIA), United Kingdom

"Condition-Based and Risk-Based Assessment Approach for Large Diameter Pipelines Used In Conveyance of Wastewater"
Olugbenga Ibikunle, Stantec Inc., Canada

"Corrosion-resistant plastic pipes with permeation barrier for safe transport of contaminated fluids from industrial processes or exploration"
Thorsten Spaeth, egeplast international GmbH, Germany

"The Innovation of Steel Spring Technology: Full Encirclement Laminated Steel Sleeve Systems Engineered for Repairs and Augmentation of Pipelines"
Shawn Laughlin, Pipe Spring LLC, United States

"Lost and Found: An In-Line Inspection Tool Case Study"
Alan Morton, T. D. Williamson, United States

"Key cyber-security controls for reliable pipeline operation"
Jean-Francois Wirrmann, Siemens Energy, Germany

"Active acoustics in water distribution networks for leak detection and localization"
Marshal Kafle, Civil and Environmental Engineering, University of Waterloo, Canada

"Flange-Concept to achieve sustainable tight flanges"
Patrick Junkers, HYTORC - Barbarino & Kilp GmbH, Germany

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WEDNESDAY, 17 MARCH 2021 (ALL TIMES BERLIN TIME ZONE, CET)

<p>Session Chair: Michael Beller, Head of Global Market Strategy Asset Care, ROSEN Group, Germany</p>	<p>Session Chair: Danny Molyneaux, Technical Advisor, Quest Integrity, United Kingdom</p>	<p>Session Chair: Steffen Paeper, Consultant, Netherlands</p>	<p>Session Chair: Prodromos Psarropoulos, Structural & Geotechnical Engineer, National Technical University of Athens, Greece</p>
09:00-10:15 (Track 1)	09:00-10:15 (Track 2)	09:00-10:15 (Track 3)	09:00-10:15 (Track 4)
<p>Session 1.2 Inline Inspection</p>	<p>Session 2.2 Hydrogen</p>	<p>Session 3.2 Offshore Technologies</p>	<p>Session 4.2 Geohazards</p>
<p>"Bi-directional in-line inspection of jetty lines" Christoph Sur, 3P Services GmbH & Co. KG, Germany</p> <p>"Combined defect assessments using Phased Array Inline Inspection technology" Stéphane BENICHO, TRAPIL, France</p> <p>"A New Phased Array Sensor for Pipeline Inspection – Optimization and Quantitative Performance Evaluation" Martin Spies, Baker Hughes - Process & Pipeline Services, Germany</p>	<p>"Are your pipelines H2 ready?" Mike Kirkwood, T.D. Williamson, United Kingdom</p> <p>"Existing Pipeline Materials and the Transition to Hydrogen" Neil Gallon, ROSEN, United Kingdom</p> <p>"Pipeline Systems for the Hydrogen Era" Andrew Stevenson, Sustainable Pipeline Systems, United Kingdom</p>	<p>"Opportunities to Access the Benefits of High-frequency Welded (HFW) Pipes for a Wider Scope of Oil and Gas Industry Applications" Timur Tadjiev, Wood, United Kingdom</p> <p>"Innovations in Pipeline Pre-commissioning" Peter Dixon, Baker Hughes, United Kingdom</p> <p>"Laser Welding of Large-Diameter Pipes" Anton Gizatullin, ChelPipe Group, Russian Federation</p>	<p>"L Band InSAR Ground Movement Monitoring of Midstream Assets in the Appalachia" Murray Down, 3vGeomatics Inc., Canada Kris Covey, 3vGeomatics, Canada</p> <p>"Natural Gas-fired Combined Cycle Power Plant subjected to earthquake-related geohazards in Central Greece" Andreas Antoniou, National Technical University of Athens, Greece</p> <p>"Risk assessment of gas pipelines parallel or sub-parallel to active seismic faults" Yiannis Tsompanakis, Technical University of Crete, Greece</p>

10:15-11:15 Networking Break

<p>Session Chair: Mike Kirkwood, Director Pipeline Integrity Engineering, T.D. Williamson, United Arab Emirates</p>	<p>Session Chair: Danny Molyneaux, Technical Advisor, Quest Integrity, United Kingdom</p>	<p>Session Chair: Steffen Paeper, Consultant, Netherlands</p>	<p>Session Chair: Chris Davison, Principal Lead Consultant, DNV, United Kingdom</p>
11:15-12:30 (Track 1)	11:15-12:30 (Track 2)	11:15-12:30 (Track 3)	11:15-12:30 (Track 4)
<p>Session 1.3 Integrity Management</p>	<p>Session 2.3 Hydrogen</p>	<p>Session 3.3 Offshore Technologies</p>	<p>Session 4.3 Leak Detection</p>
<p>"ILI Benchmarking – Ensuring an Adequate Understanding of ILI Capability Under Real-World Operating Conditions" Aidan Charlton, Penspen (Asset Integrity / THEIA), United Kingdom</p> <p>"Data Analytics for Tracking the Deterioration of Pipelines" Michael Smith, ROSEN, United Kingdom Matthew Capewell, ROSEN, United Kingdom</p> <p>"Evaluation of dents in a highly pressure cycled pipeline system" Deepak Agarwal, Indian Oil Corporation, India</p>	<p>"Considerations on Hydrogen for an ongoing Gas Pipeline project" York Schorling, ILF Beratende Ingenieure GmbH, Germany</p> <p>"Technical assessment of gas transmission pipelines made of steel for the use as hydrogen transmission pipelines" Henning Brüggemann, Dr.-Ing. Veenker Ingenieurgesellschaft mbH, Germany</p> <p>"Natural gas and hydrogen blends transportation: challenges and development of centrifugal compressors" alessandro carnevali, Baker Hughes, Italy</p>	<p>"Improving the Efficiency and Accuracy of Rigid Riser Fatigue Analysis" Owen Pocock, XSIGHT by Saipem, United Kingdom</p> <p>"Design And Qualifications For The Highest Temperature Subsea Heat-Traced Pipeline" Frederico Orberg, ITP InTerPipe, France</p> <p>"Artificial Intelligence in the Design of Offshore Lifelines against Geohazards" Prodromos Psarropoulos, National Technical University of Athens, Greece</p>	<p>"Large-scale pipeline environmental testing for Hydrocarbon Leak detection using WrapSense" Rodrigo Rueda, TWI, United Kingdom Steve Edmondson, DirectC, Canada</p> <p>"Operational performance validation results for a satellite-based ROW monitoring solution" Alexander Blauw, Orbital Eye, Netherlands</p> <p>"A vibroacoustic integrated technology for the detection of a wide spectrum of illegal activities" Marco Marino, SolAres, Italy</p>

12:30-14:00 Networking Break

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WEDNESDAY, 17 MARCH 2021 (ALL TIMES BERLIN TIME ZONE, CET)

Session Chair: Thomas Wolf, CEO, NDT Global, Germany	Session Chair: Andrea Intieri, Director, Pipeline Turbomachinery Platform, Baker Hughes, Italy	Session Chair: Klaus Beyer, Executive Director, GSTT - German Society for Trenchless Technology, Germany	Session Chair: Andrew Wilde, Regional Manager Pipeline Software, DNV, United Kingdom
14:00-15:15 (Track 1)	14:00-15:15 (Track 2)	14:00-15:15 (Track 3)	14:00-15:15 (Track 4)
Session 1.4 Integrity Management	Session 2.4 Hydrogen	Session 3.4 Trenchless Technologies	Session 4.4 Leak Detection
<p>"Exceeding performance standards of pipeline inspection and integrity with complex and challenging defects" Geoffrey Hurd, Baker Hughes, United Kingdom</p> <p>"Fitness For Purpose assessment based on Finite Element Assessment using Ultrasonic ILI Data" Henrik Witte, NDT Global, Germany</p> <p>"Pipeline Hard Spots: How Hard is Hard?" Jeremy Faissat, TRAPIL, France Mike Kirkwood, T.D. Williamson, United Kingdom</p>	<p>"Hydrogen network readiness" Victoria Monsma, DNV, Netherlands Henk Riezebos, DNV, Netherlands</p> <p>"NovaLT12 Hydrogen fuel capabilities" Marco Tarenzi, Snam, Italy Antonio Asti, Baker Hughes, Italy</p> <p>"Hydrogen Transport Pipelines - Design Challenges and Mitigations" Luc Lam-Thanh, TOTAL S.A., France</p>	<p>"Trenchless installation of small diameter pressure pipelines over longer distances" Marc Peters, Herrenknecht AG, Germany</p> <p>"Renovation of 455 m DN 450 brine transmission main in Fos-sur-Mer, France" Andreas Gross, Rädlinger Primus Line, Germany</p> <p>"Trenchless pipeline installations in European key projects" Michael Lubberger, Herrenknecht AG, Germany</p>	<p>"Retrofitting Existing Pipelines for Fiber Optic Monitoring" Steven Koles, Hifi Engineering, Canada</p> <p>"A Robust Qualification of Fiber-Sensing for Leak Detection, based on Hyper-Scan Technology" Eran Inbar, Prisma Photonics, Israel</p>

15:15-15:45 Networking Break

Session Chair: Thomas Wolf, CEO, NDT Global, Germany	Session Chair: Richard Campbell, Vice Chair, Young Pipeline Professionals Europe, United Kingdom	Session Chair: Bruno Pomaré, Business Development Director, Spiecapag, France	Session Chair: Andrew Wilde, Regional Manager Pipeline Software, DNV, United Kingdom
15:45-17:30 (Track 1)	15:45-17:30 (Track 2)	15:45-17:30 (Track 3)	15:45-17:30 (Track 4)
Session 1.5 Integrity Management	Session 2.5 External Inspection	Session 3.5 Planning & Construction	Session 4.5 Leak Detection
<p>"Pipeline Integrity Management: NonMetallic Technology Perspective" Royden De Souza, Saudi Aramco, Saudi Arabia</p> <p>"Energy Efficiency Benchmarking Procedure as a Resource Saving Tool" Sergey Kutukov, Transneft R&D Institute, Russian Federation</p> <p>"A Proactive Approach to Class Location Management for Gas Pipelines" Helen Tambolim, NTS - Nova Transportadora do Sudeste, Brazil</p> <p>"Transition to more accurate Risk Analysis" Fidel Espindola Cruz, PEMEX LOGÍSTICA, Mexico"</p>	<p>"Case of External Corrosion and HVAC interference risk evaluation using a pipeline software based PIMS and Direct Assessment" Saumitra Shankar Gupta, Indian Oil Corporation Ltd., India</p> <p>"Advanced Eddy Current Array Tools for Stress Corrosion Cracking Direct Assessment on Pipelines" Mathieu Bouchard, Eddyfi Technologies, Canada</p> <p>"Automatic 3D-Localisation Of Buried Pipeline And Depth Of Cover: Magnetic investigation under operational conditions" Mehdi M. Laichoubi, Skipper NDT, France</p> <p>"Buried Pipeline Inspection By Non-Contact Magnetic Tomography Method (MTM) - A Non-Intrusive Inspection Technology" Choong Meng Lam, PETRONAS, Malaysia</p>	<p>"Digital communication demands for construction safety and network expansion" Jens Focke, BIL eG, Germany</p> <p>"The Gypsum Karst of Sivas - Implications for Routing, Construction and Operation of the Trans Anatolian Natural Gas Pipeline" Klaus Robl, ILF Consulting Engineers Austria GmbH, Austria</p> <p>"Spec Breaks: Application of Codes for Launchers and Receivers" Neil McKnight, T.D. Williamson, United Kingdom</p> <p>"Stress Analysis of 100 km Pipeline per Day" Robert Ofner, ILF Consulting Engineers Austria, Austria</p>	<p>"Using simulation to overcome operational challenges caused by the COVID-19 pandemic" Glen Tyson, Atmos International, United Kingdom</p> <p>"Development of a leak detection tool for gas pipelines" Rene Landstorfer, GOTTSBERG Leak Detection GmbH & Co. KG, Germany</p> <p>"Leak Detection Compliance and Health Check" Maximilian Ihring, KROHNE Oil&Gas B.V., Germany Daniel Vogt, KROHNE Oil&Gas B.V., Germany</p> <p>"Experience on using Acoustic Leak Imaging (ALI) Technology on Compressor Stations and Pressure Reducing Stations" Peter Mantel, Distran Ltd., Switzerland</p>

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



Session Chair

Nader A. Al-Otaibi, Engineering Unit Head, Pipelines, Distribution and Terminals, Saudi Aramco, Saudi Arabia



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

Rafael Noac Feldman, Logistics and Operations General Manager, Transpetro, Brazil



"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



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

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

10:30-11:00 Networking Break

11:00-12:30 Panel Discussion "The Energy Mix of Tomorrow: Future Fuels in the Pipeline" (Track 1)



Session Chair

Barbara Jinks, Programme Officer - Green Gas Delivery and Use, IRENA, Germany



Panelist

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



Panelist

Luca Maria Rossi, Vice President, Commercial - New Frontiers, Baker Hughes, Italy



Panelist

Peter Adam, Head of Hydrogen Business Development, Siemens Energy, Germany

12:30-13:00 Closing (Track 1)



Award Ceremony ptc Photo Contest "Working in the Pipeline Industry"

Rana Alnasir-Boulos, Director Business Development, EITEP Institute, Germany



Closing Remarks

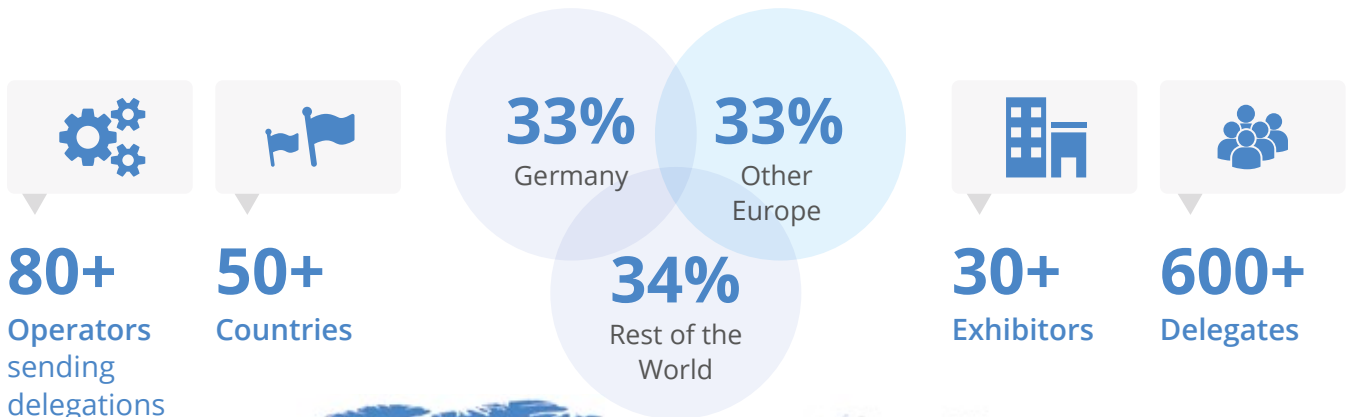
Dirk Strack, Senior Advisor, EITEP Institute, Germany

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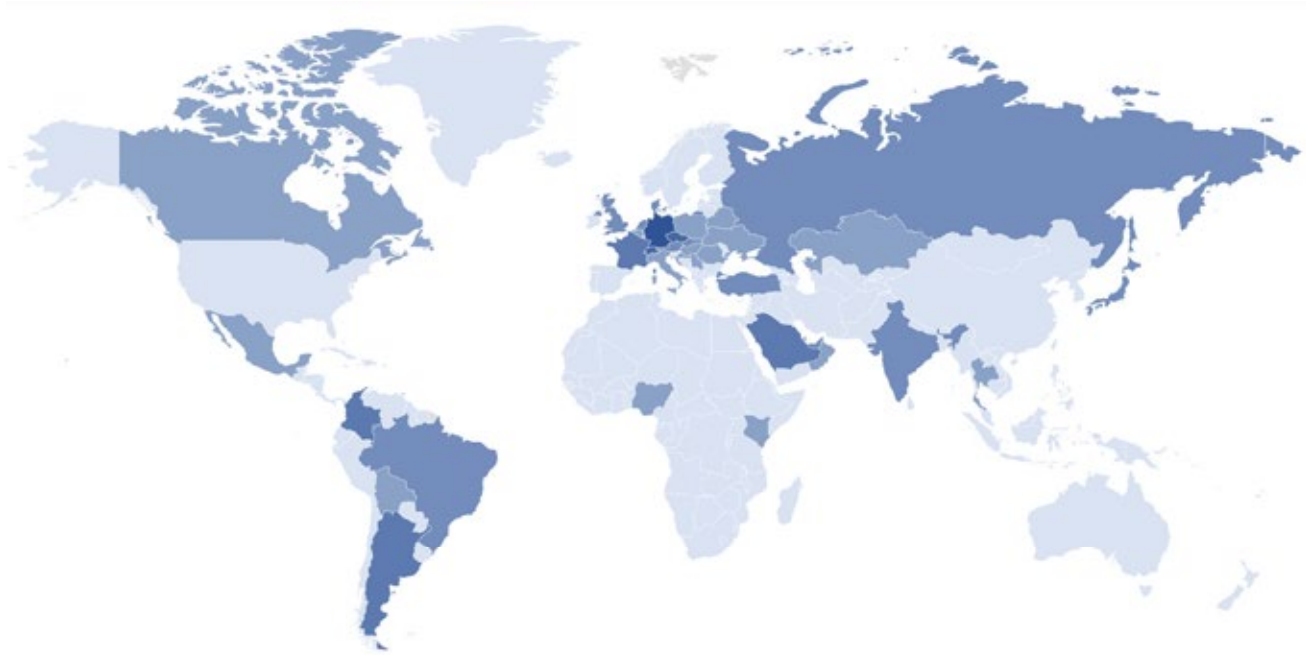
DEMOGRAPHY

The ptc community - quick facts



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.

GENERAL INFORMATION

ADDITIONAL MARKETING AND MEDIA COVERAGE



The **Pipeline Technology Journal (ptj)** features latest developments and innovative solutions for the international pipeline industry. The ptj news service and the technical articles are freely available online to the global pipeline community. Printed copies can be ordered as part of a subscription and are distributed at international pipeline events.

www.pipeline-journal.net

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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

Online



CONFERENCE LANGUAGE

English



ADDITIONAL MARKETING AND MEDIA COVERAGE

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

Pipeline Integrity Framework

A Roadmap to Zero Incidents

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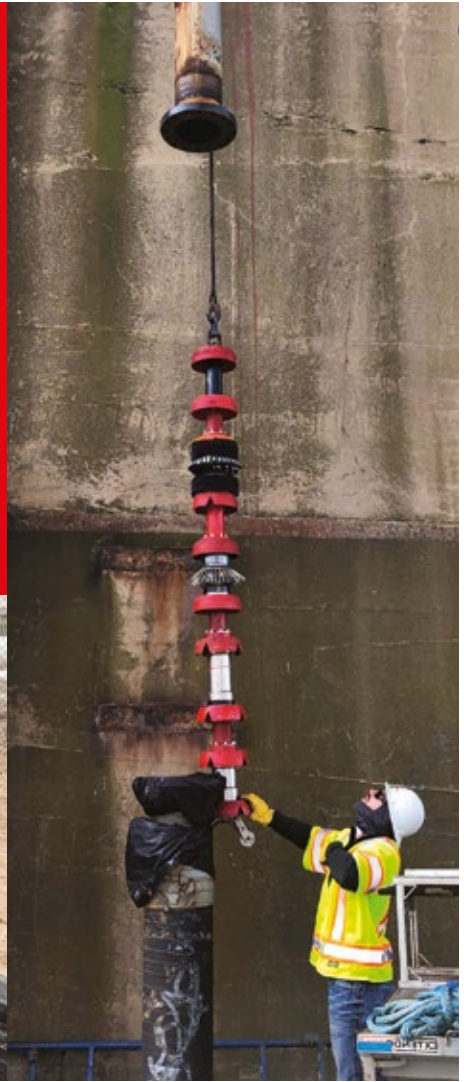
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The logo consists of a white circle with a red border, containing the word "STREICHER" in white capital letters.

eco
tec

FULL-ELECTRICALLY DRIVEN HDD RIG

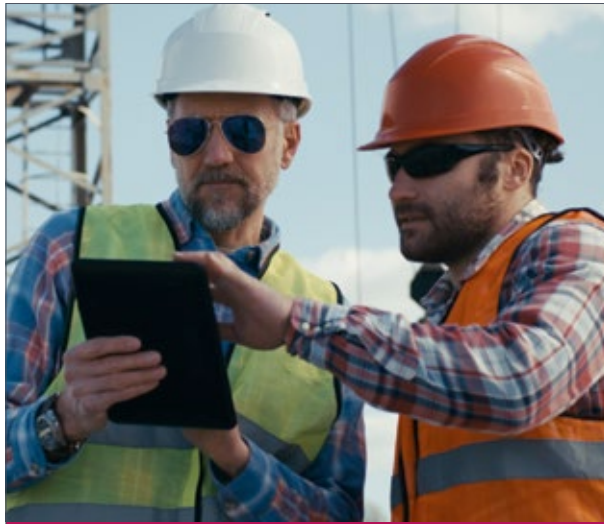
MAX STREICHER launches full-electrically driven horizontal directional drilling rig (HDD)

- Fully-featured, user-friendly design
- Powerful thrust and spindle drive
- Integrated mud pump and drill pipe handling system
- Low emission, noise emission reduced to a minimum
- Well suited to sensitive ecological and urban areas

Technical data:

- Thrust / Pullback: 800 kN (80 t)
- Spindle torque: 57,000 Nm (max. 70,000 Nm)
- Power rating: 400 kVA
- Drill pipe range: 9.5 m

After a successful test run, the new electrically driven drilling rig is already on duty at a trenchless power cable laying project in Emsland/Germany.



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