

10TH PIPELINE TECHNOLOGY CONFERENCE

8-10 JUNE 2015, ESTREL CONVENTION CENTER, BERLIN, GERMANY



CONFERENCE PROGRAM

an  event
Euro Institute for Information
and Technology Transfer

SPONSORS





WELCOME TO THE 10TH PIPELINE TECHNOLOGY CONFERENCE

EUROPE'S BIGGEST PIPELINE
CONFERENCE AND EXHIBITION



500+ DELEGATES



50+ DIFFERENT NATIONS



50+ EXHIBITORS



DELEGATIONS FROM 50+ DIFFER-
ENT PIPELINE OPERATORS



From 8-10 June 2015, Europe's leading pipeline conference and exhibition, the Pipeline Technology Conference (ptc), will take place for the 10th time.

The 10th ptc offers again opportunities for operators as well as technology and service providers to exchange latest technologies and new developments

supporting the energy strategies world-wide. More than 500 delegates are expected to attend the 10th ptc in Berlin. The conference will provide panel discussions and special focus sessions on "Pipeline Safety", "German Energy Turnaround", "Challenging Pipelines" and "Offshore Technologies". For the first time the conference will also feature an "Scientific Advances Poster Session" with latest updates on present and upcoming research activities.

The practical nature of ptc was always based on the cooperation with our technical and scientific supporters and on a top-class international advisory committee.

The conference will feature lectures and presentations on all aspects surrounding oil, gas, water and product pipeline systems.

Please take a closer look at the following pages and get involved now - reserve your place at the 10th Pipeline Technology Conference in Berlin.

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

Dr. Klaus Ritter
Pipeline Technology Conference Chairman
President of EITEP

ADVISORY COMMITTEE

CHAIRMEN



Dr. Klaus Ritter, President, EITEP Institute



Uwe Ringel, Managing Director, ONTRAS Gastransport

MEMBERS



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Carlo Maria Spinelli, Technology Planner, eni gas & power



Heinz Watzka, Senior Advisor, EITEP Institute



Waleed Al-Shuaib, Manager Support Services Group (S&E), Kuwait Oil Company (KOC)



Uwe Breig, Member of the Executive Board / BU Utility Tunnelling, Herrenknecht



Ricardo Dias de Souza, Oil Engineer - Senior Advisor, Petrobras / Transpetro



Dr. Hans-Georg Hillenbrand, Director Technical Service, Europipe



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



Cliff Johnson, President, PRCI - Pipeline Research Council International



Reinhold Krumnack, Div. Head, DVGW - German Technical and Scientific Association for Gas & Water



Prof. Dr. Joachim Müller-Kirchbauer, Head of Dept. Gas Supply, TU Clausthal



Hermann Rosen, President, ROSEN Group



Asle Venas, Global Director Pipelines, DNV GL



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Frank Rathlev, Manager of Network Operations, Thyssengas



Ulrich Schneider, Business Development Manager Continental Europe, KTN



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



TIME SCHEDULE

	Sunday, 7 June	Monday, 8 June	Tuesday, 9 June	Wednesday, 10 June	Thursday, 11 June	Friday, 12 June	
9		Registration	S 4: Inline Inspection	S 5: Repair / Rehabilitation	S 6: Management / Pump & Compressor Stations	Exhibition	Plenary Session "World Pipeline Outlook: New Technologies in Operation"
10		Opening					
11		Opening Panel Discussion "Pipeline Safety"	S 7: Leak Detection / Monitoring	S 8: Coating	S 9: Offshore Technologies	Exhibition	Lunch Break within the exhibition
12		Lunch Break within the exhibition (+ Poster Session)					
13		Lunch Break within the exhibition (+ Poster Session)	S 4: Inline Inspection	S 5: Repair / Rehabilitation	S 6: Management / Pump & Compressor Stations	Exhibition	Seminars (registration required) see www.pipeline-conference.com/seminars for details
14		Lunch Break within the exhibition (+ Poster Session)					
15		S 1: Integrity Management	S 2: Design / Construction	S 3: Materials	S 4: Inline Inspection	S 5: Repair / Rehabilitation	S 6: Management / Pump & Compressor Stations
16		S 2: Design / Construction					
17		S 3: Materials	S 1: Integrity Management	S 2: Design / Construction	S 3: Materials	Exhibition	Seminars (registration required) see www.pipeline-conference.com/seminars for details
18		Get-together within the exhibition (sponsored by NDT Global)					
19	Advisory Committee Meeting	Get-together within the exhibition (sponsored by NDT Global)	S 7: Leak Detection / Monitoring	S 8: Coating	S 9: Offshore Technologies	Exhibition	Seminars (registration required) see www.pipeline-conference.com/seminars for details
		Dinner-Invitation (sponsored by ROSEN Group)					



CONFERENCE PROGRAM

MONDAY, 8 JUNE 2015

09:00-10:00 Registration (Foyer Hall C/D)

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



Welcome

Dr. Klaus Ritter, President of EITEP Institute, Germany

10:30-11:00 Keynote Speech (ECC Room 1)



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

11:00-12:30 Opening Panel Discussion "Pipeline Safety" (ECC Room 1)



Session Chair

Heinz Watzka, Senior Advisor, EITEP Institute, Germany



Panelist

Abdullah M. Al-Ghamdi, Supervisor of Integrity Management Unit, Saudi Aramco, Saudi Arabia



Panelist

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



Panelist


Prof. Dr. Jürgen Schmidt, Professor, Karlsruhe Institute of Technology, Germany



Panelist

Asle Venas, Global Pipeline Director, DNV GL, Norway

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

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

MONDAY, 8 JUNE 2015

Session Chair: Ulrich Adriany, Principal Consultant – Pipelines and Storage Tanks, Integrity Consultants, Germany

14:00-15:15 (ECC Room 1)

Session 1.1 Integrity Management

"The application of ILI and PIM in Iraqi national oil companies and the reflect on reducing oil spills and improvement exporting"

Alaa Mohammed Abdullah, EFCODB-North Oil Company, Iraq

"Modular Pipeline Risk Assessment"

Mark Wright, MACAW Engineering Ltd, United Kingdom

"MARV Multi-Analytic Risk Visualization tool"

Asle Venas, DNV GL, Norway

Session Chair: Dr. Andreas Antoniou, Research Associate, National Technical University of Greece, Greece

14:00-15:15 (ECC Room 2)

Session 2.1 Geohazards

"Deformation in a gas pipeline due to creep process in soil slope"

Prof. Thiago da Costa Santos, Petrobras Transporte S.A. - TRANSPETRO, Brazil

"Protecting onshore pipelines from the geohazard of seismic slope instability"

Dr. Prodromos Psarropoulos, National Technical University of Athens, Greece

"The Analysis of The Impact of Falling Objects on Buried Pipelines"

Henk Kruse, Deltares, The Netherlands

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

14:00-15:15 (ECC Room 3)

Session 3.1 Materials

"Deep Sea - High Tech, Collapse Resistant Pipes for the South Stream Offshore Project"

Dr. Hans-Georg Hillenbrand, EUROPIPE GmbH, Germany

"Mechanical And Numerical Investigations On The Fracture Behavior Of An API 5L X100 Base Material"

Dr. Andreas Horn, voestalpine Böhler Welding Austria GmbH, Austria

"Deformation behaviour of HFI-welded pipes – some examples of present applications –"

Dr. Holger Brauer, Salzgitter Mannesmann Line Pipe GmbH, Germany

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

15:45-17:30 (ECC Room 1)

Session 1.2 Integrity Management

"Pipeline Integrity Analysis (PIA2) - A Survey Concept for Non-Piggable Gas Transport Pipelines with Spigot-and-Socket Connection"

Dr. Carmen Acht, Open Grid Europe GmbH, Germany

"A Comprehensive Approach To Integrity Of Non-Piggable Pipelines Based On Combined DCVG/CIPS/MTM Survey"

Jabbar Mirzoev, CJSC "Aerospace Monitoring and Technologies", Russia

"Pipeline Integrity Management Using Advanced Software Applications"

Noor Al Nahhas, Fathom Solutions, Saudi Arabia

"Intelligent Pipeline Solution: Leveraging breakthrough Industrial Internet technologies and Big Data analytics for safer, more efficient oil and gas pipeline operations"

Mauricio Palomino, GE Oil & Gas, United States

15:45-17:30 (ECC Room 2)

Session 2.2 Construction

"Achieving Traceability of Material and Construction Quality in Real Time on Pipeline Construction Projects"

Abhay Chand, Petro IT Limited, India

"Dhatec Certification Program for Pipe Protection Products"

Bernadet Gijsbers, Dhatec, A ShawCor Company, The Netherlands

"Building the Fluid Highways of the future - the Long Pipes, Fluid Highway, development program so far "

Neil Graham, Long Pipes Pty Ltd, Australia

"Installation and Design of Large Diameter of HDPE Pipeline for Intake Water"

Youngtae Kim, Daewoo Engineering & Construction Co. Ltd., Korea

15:45-17:30 (ECC Room 3)

Session 3.2 Materials

"Considerations on the Risk of Hydrogen Embrittlement of Pipeline Steel due to Cathodic Overprotection "

Dr. Hanns-Georg Schöneich, Open Grid Europe GmbH, Germany

"Pipeline Corrosion in a 24"dia Crude Oil Pipeline due to Interference from High Voltage A.C.Transmission Line: A Case Study"

Shri B.D. Yadav, Indian Oil Corporation Limited, India

"PA12 - A New Material For Onshore, Offshore And Subsea Applications"

Markus Hartmann, EVONIK Industries AG, Germany

"Application of 3D Laser Method for Corrosion Assessment of Oil&Gas pipelines and pressure components"

Christophe Piron, CREAFORM, France



from 17:30 Get-together Party in the Exhibition Hall sponsored by NDT Global

TUESDAY, 9 JUNE 2015

Session Chair: NN

09:00-10:15 (ECC Room 1)

Session 4.1 Challenging Pipelines

"Inspection of Challenging Pipelines"
Dr. Michael Beller, ROSEN Group, Germany

"Magnetic Eddy Current In-Line Inspection Tool Development"
Stefanie Asher, ExxonMobil Upstream Research Company, USA

"An Integrated Approach to Integrity for the Un-Piggable Pipe: New Inline and External Techniques"
Dr. Chukwuma Candidus Onuoha, PureHM, Canada

Session Chair: NN

09:00-10:15 (ECC Room 2)

Session 5.1 Repair / Rehabilitation

"Pressurised Pipeline Repair or Modification; Enabled by Double Block and Bleed Isolation Tools"
Dale Millward, STATS Group, Scotland

"What are The Differences Between Composite Repairs, What Should a Pipeline Operator be Aware of When Choosing a Composite Repair"
James Knights, Clock Spring Company, L.P., United Kingdom

"Decision Making Matrix for Emergency Pipeline Repairs"
Harshad S. Phadnis, McDermott International, Inc., UAE

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

09:00-10:15 (ECC Room 3)

Session 6.1 Management

"Protecting Pipeline Management System Investment"
Martin te Lintelo, Yokogawa Europe, The Netherlands

"Integrated Solution of SCADA and Modular Technology Packages to Support the Operators During the Lifecycle of Pipelines"
Klaus-Peter Fischer, Actemium Cegelec GmbH, Germany / **Dr. Andreas Wolters**, 3SConsult, Germany

"Pipeline Integrated Management Systems - An Integrated Model"
Dr. Malcolm Toft, Penspen, United Kingdom

10:15-10:45 Coffee Break in the Exhibition Hall

10:45-12:00 (ECC Room 1)

Session 4.2 Inline Inspection

"Combined Ultrasonic Tethered Tool for Inspection of Weld Cracks in Offshore Pipelines: Tool Qualification and First Inspection Results from Offshore Inspection"
Herbert Willems, NDT Global GmbH & Co. KG, Germany

"Impact of Advances in Seam Weld Assessment to Integrity Management: A Series of Case Studies"
Ian Smith, Quest Integrity Group, USA

"Pipeline Bending Strain Assessment using ILI Tools: A Case Study"
Ian Murray, PII Pipeline Solutions, a GE Oil & Gas and Al Shaheen joint venture, United Kingdom

10:45-12:00 (ECC Room 2)

Session 5.2 Repair / Rehabilitation

"Application of high pressure injection method in the vicinity of pipelines"
Dr. Annett Bartscher-Hartmann, Deutsche Transalpine Oelleitung GmbH, Germany

"In-service Relocation of 24 inch Wet Acid Flare Line Header"
Roya Moradifar, South Pars Gas Complex, Iran

"Technical safety and welding simulation of welding work on high-pressure gas pipelines in operation"
Andreas Raschke, ONTRAS Gastransport GmbH, Germany

10:45-12:00 (ECC Room 3)


Session 6.2 Pump&Compressor Stations

"On The Carbon Footprint of Compressor Stations"
Pierre Brousse, Solar Turbines Incorporated, USA

"Modularization and Standardization of Pump Station Design"
Carles Giro, ILF Consulting Engineers, Germany

"Ensuring safety of compressor and pump stations through comprehensive robotic inspection of underground piping"
Sergio Porcellotti, Diakont, Italy

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

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

TUESDAY, 9 JUNE 2015

Session Chair: Dr. Axel Scherello, Project Leader, Open Grid Europe, Germany

13:30-14:45 (ECC Room 1)

Session 7.1 Leak Detection

"Selection Guide for Pipeline Leak Detection Systems"

Dr. Michael Kasch, ILF Consulting Engineers, Germany

"Multi Method Leak Detection on a 120km 10" Ethylene Gas Pipeline"

Daniel Vogt, KROHNE Oil and Gas BV, Germany

"Leak Detection – The necessity for pin-hole leak detection – ways and means to a professional approach"

Rene Landstorfer, Gottsberg Leak Detection GmbH & Co. KG, Germany

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

13:30-14:45 (ECC Room 2)

Session 8.1 Coating

"Coatings and CP"

Dinko Cudic, Stopaq - Seal For Life Industries, The Netherlands

"Technical performances comparison between heat shrinkable sleeves, cold applied tapes and polymeric backed mesh coatings"

Luc Perrad, Polyguard Products, Belgium

"The Proven Efficiency of Epoxy Flow Coats for The Protection of Gas Transmission Pipelines"

Pascal Collet, BS Coatings S.A.S., France

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

13:30-14:45 (ECC Room 3)

Session 9.1 Offshore Technologies

"The Nord Stream Offshore Repair Strategy "

Andrey Voronov, Nord Stream AG , Switzerland

"Risk Based Technical Assurance of Deepwater Pipelines "

Asle Venas, DNV GL, Norway

"Flaw Acceptance Criteria for Thin Walled Offshore Pipelines"

Cosmas Vlattas, Saipem Ltd, United Kingdom

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

15:15-17:00 (ECC Room 1)

Session 7.2 Monitoring

"Pipeline Safety and Security: Integrated Solution Concepts for High-threat Areas"

Louis Harnois, Rheinmetall Canada inc., Canada

"realSens Remote Leak Detection, Performance Analysis based on a 4-Year Operations Record"

Adrian Banica, Synodon Inc., Canada

"Remote Gas Leak Detection By Infrared Spectroscopy and Laser Technology- Benefits of Active and Passive Remote Gas Leak Detection"

Sebastian Wilkens, Esders GmbH, Germany

Compliance kit for easy retrofitting to TRFL and API

Dr. Hubert Mäncher, MAGNUM LEO-Pipe GmbH, Germany

15:15-17:00 (ECC Room 2)

Session 8.2 Coating

"Continuous Monitoring of Pipe Coating During Pulling Operation in a Horizontal Directional Drilling (HDD)"

Kamyar Darbandi, Steffel CP GmbH, Germany

"Use of Industrial By-Products in Pipeline Concrete Coatings"

Mohit Jain, GSPL India Transco Ltd, India

"Flexible ARO Dual Layer FBE System"

Dr. Martin Rau, 3M Company/Infrastructure Protection, Germany

15:15-17:00 (ECC Room 3)

Session 9.2 Offshore Technologies

"Assessment and treatment of earthquake-related geohazards threatening offshore gas pipelines in the Mediterranean sea"

Dr. Andreas Antoniou, National Technical University of Greece, Greece

"Use of Acoustics for not Invasive Buckle Detection in Offshore Pipelines"

Caterina Molinari, Saipem SpA, Italy

"Lateral Buckling Capacity of Surface Laid Subsea Pipeline"

Ifenna Obele, Subsea 7 AS, Norway



from 19:00 Dinner Invitation sponsored by ROSEN Group (Estrel Festival Center)

WEDNESDAY, 10 JUNE 2015

Session Chair: Heinz Watzka, Senior Advisor, EITEP Institute, Germany

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

"Safety in building and routing high-pressure pipelines"
Ulrich Hoffmann, ONTRAS Gastransport GmbH, Germany

"New approach to the results of internal inspection"
Alés Brynych, CEPS a.s, Czech Republic

"Leak Detection in Crude Oil Pipelines by leak detection pigs"
Harald Weber, Deutsche Transalpine Oelleitung GmbH, Germany

"Transportation of Heavy Crude Oils through Heated Pipeline-Assessment of Relative Economics"
Anand Kumar Tiwari, Indian Oil Corporation Limited, India

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

11:00-12:30 Closing Panel Discussion "German Energy Turnaround" (ECC Room 1)



Session Chair

Heinz Watzka, Senior Advisor, EITEP Institute, Germany



Panelist

Dr. Adolf H. Feizlmayr, Cofounder and Senior Partner, ILF Consulting Engineers, Germany



Panelist

Martin Fuchs, Member of the Supervisory Board, TenneT TSO, Germany



Panelist

Prof. Dr. Gerald Linke, Chairman of the Board of Directors, DVGW - German Technical and Scientific Association for Gas and Water, Germany



Panelist

Prof. Dr. Joachim Müller-Kirchenbauer, Head of Department Gas Supply, Clausthal University of Technology, Germany

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



Closing

Dr. Klaus Ritter, President of EITEP Institute, Germany

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

14:00-15:45 Post-Conference Workshops (ECC Room 3)

SCIENTIFIC ADVANCES POSTER SESSION

MONDAY, 8 JUNE 2015, 13:30-14:00 + TUESDAY, 9 JUNE 2015, 13:00-13:30 (WITHIN THE EXHIBITION)

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

- (1) "Seismic Analysis of Buried Steel Pipeline Subjected to Ground Deformation with Emphasis on the Numerical Modelling Optimization"
[Gersena Banushi](#), Technical University of Braunschweig, Germany
- (2) "Finite element simulation of guided waves in pipelines for third party attacks"
[Salisu El-Hussein](#), University of Aberdeen, United Kingdom
- (3) "Recommended practices for the integrity mechanical and risk management in pipelines using the codes ASME and ANSI API"
[Leonardo Espinosa Cortes](#), Corporacion Mexicana de Investigacion en Materiales SA de CV, Mexico
- (4) "Development Of Real-Time Pipeline Surveillance System With Wireless Multi-Media Sensor Networks (Wmsn) For Theft Mitigation"
[Johnson Eze](#), University of Wolverhampton, United Kingdom
- (5) "Disrupt, Collapse, Transform - Future of NDT from Periodic Testing to Continuous Monitoring"
[Nikhil Jain](#), Frost & Sullivan, India
- (6) "Relining in Domestic Waste Water Pipeline in Sweden"
[Parastou Kharazmi](#), KTH Royal Institute of Technology, Sweden
- (7) "Comparative study of different fluids flowing in a Supersonic separator used in Subsea Gas Pipeline systems"
[Lokesh Kumar Mylapilli](#), University of Petroleum and Energy Studies, India
- (8) "Integration of The Pipelines in The Urban Infrastructure"
[Aloisio Pereira da Silva](#), Federal University of Santa Catarina, Brazil
- (9) "The Application of A Hybrid Wave and Finite Element Technique to Investigate Reflected/Transmitted Power Through Bends In Pipe"
[Andrea Ricci](#), University of Southampton , United Kingdom
- (10) "Why Calculations of Inductive Interference Pipeline Voltages Show Higher Results Than Conducted Measurements?"
[Christian Wahl](#), University of Technology, Graz, Austria
- (11) "Strain Rate Effect on Strength and Orientation Effect on Toughness of Modern High-Strength Pipe Steels"
[Su Xu](#), CanmetMATERIALS, Canada
- (12) "Fully automated gluing station for continuous pipeline deformation monitoring and 3-D positioning "
[Luigi Zeni](#), Seconda Università Di Napoli, Italy

SOCIAL PROGRAM

GET TOGETHER PARTY

MONDAY, 8 JUNE 2015, 17:30
EXHIBITION AREA

SPONSORED BY



BACKGROUND

On the evening of Conference day 1 the traditional "Pipeline Technology Conference Get-together" takes place directly within the exhibition and catering area. All conference delegates are not only granted free entry but also a complimentary supper and drinks while being entertained by live-music.

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

PARTICIPANTS

All registered delegates, exhibitors and sponsors of the 10th Pipeline Technology Conference.



DINNER INVITATION

TUESDAY, 9 JUNE 2015, 19:00
ESTREL FESTIVAL CENTER

SPONSORED BY



BACKGROUND

Join an unforgettable night at the "Estrel Festival Center". Besides the dinner and drinks all participants will enjoy an exclusive part of the "Stars in Concert" show. The "vision of a perfect deception" is a homage to the world's legendary stars of yesterday and today. To the accompaniment sensational dancers, the artists recreate the stars with astonishing authenticity. For tonight, please welcome on stage "The Blues Brothers" and "Marilyn Monroe"!

PARTICIPANTS

All registered delegates, exhibitors and sponsors of the 10th Pipeline Technology Conference and invited guests from governmental bodies. Registered ptc delegates might take along their spouse/partner at an extra charge of 50 €.



POST-CONFERENCE WORKSHOP

WEDNESDAY, 10 JUNE 2015, 14:00-15:45

PIPELINE LEAK DETECTION

This workshop is aimed at operators as well as manufacturers of Oil, Gas, Chemical and refined product pipelines. The intention is to share the fundamentals of leak detection, and to encourage exchange of information between the attendees. Real-life pipeline examples will be used to design leak detection systems directly in the workshop.



AGENDA

- 14:00 Welcome
- 14:00-14:45 Basics of pipeline leak detection
The first part of the workshop describes the fundamentals of pipeline leak detection systems. The overview of leak detection systems includes: models; comparison of technologies; technical possibilities and limitations; and how to reduce false alarms to practically zero. Typical LDS System and SCADA architectures will be described. International rules and standards are also part of the presentation, and many practical examples and references are given.
- 14:45-15:00 Break
- 15:00-15:45 Practical Training: Ideal conditions vs real world findings
Leak detection system vendors generally promise outstanding results from their LDS technology. These promises often assume ideal conditions that seldom occur in real-world applications. The second part of the workshop considers typical examples of LDS systems that will not achieve the desired results without additional effort. Concepts are introduced that can achieve remarkable leak detection results in real-world applications while minimizing overall cost.
- 15:45 End of training / Discussion

REGISTRATION

If you wish to participate in this free workshop, please register yourself at the KROHNE exhibition booth #8 during the Pipeline Technology Conference or register in advance at <http://de.krohne.com/de/unternehmen/krohne-deutschland/krohne-academy/pipeline-leak-detection-2015>

WORKSHOP TIMING AND PLACE

Wednesday, 10 June 2015, 14:00-15:45, Room ECC 3

TARGET GROUP

Pipeline operators of oil, gas, chemical and refined products, pipeline manufacturers

ORGANIZER

Krohne Messtechnik (exhibition booth #8)

SEMINARS

THURSDAY, 11 JUNE 2015 - FRIDAY, 12 JUNE 2015, 09:00-17:00

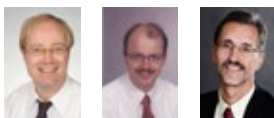


The course will provide an in-depth introduction into the subject and importance of pipeline inspection and integrity management. Delegates will learn about the need for pipeline inspection and the use of inspection for the analysis of the pipelines integrity and fitness-for-purpose.

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

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

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



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



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

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

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

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



Lecturers: Dr. Andreas Antoniou, Dr. Prodromos Psarropoulos



Engineering importance is a function of cost and risk. Cost of corrosion is about 5% of the GDP of a country and microbial corrosion (MIC) accounts for about 1/5 of the corrosion cost. In addition to cost, what makes it even worse is that a great number of MIC cases are mistakenly attributed to corrosion phenomena other than microbial corrosion. In engineering terms, "Risk" is defined as the product of "likelihood" and "consequences": no matter how low the likelihood, as the consequences could always be critical, the risk of MIC is classified as "extremely high". Almost all engineering materials are susceptible to microbial corrosion. Corrosion-related bacteria can tolerate a wide range of pH and temperatures. A combination of the above factors makes MIC a very dangerous factor that must be dealt with meticulously. MIC can be observed in a wide range of industries from mining, oil & gas, power generation to marine industry, chemical industry and even in ships (for example ballast tanks) and in systems such as hydrants and pipelines.



Lecturer: Dr. Reza Javaherdashti

SPECIAL PRICE FOR PTC DELEGATES

- Each 2-days seminar 1,200 Euro + VAT only (incl. seminar documentation, catering, dinner invitation, certificate)
- Registration Deadline: 11/22 May 2015
- Visit www.pipeline-conference.com/seminars for details



FLOOR PLAN



- sold booth
- reserved booth
- reserved for sponsors

latest version of this floor plan is available at www.pipeline-conference.com/floor-plan

EXHIBITOR LIST

Company	Country	Stand
3X Engineering	Monaco	20
A.Hak Industrial Services	Germany	30
Actemium Cegelec	Germany	6 + 7
AP Sensing	Germany	15
Applus RTD	Germany	51
Atmos International	United Kingdom	52
BS Coatings	France	57
CDRIa Pipeline Services	Poland	32
Clock Spring Company	USA	44
Creaform Deutschland	Germany	40
Denso	Germany	54
Dhatec, A ShawCor Company	The Netherlands	12
Diakont	Italy	22
DNV GL	Norway	11
ESDERS	Germany	3
Evonik Industries	Germany	19
Fathom Solutions	Saudi Arabia	14 + 17
GE Oil & Gas	USA	26
GOTTSBERG Leak Detection	Germany	13
Herrenknecht	Germany	24
I2I Pipelines	United Kingdom	56
ILF Consulting Engineers	Germany	42 + 43
Kebulin - Gesellschaft Kettler	Germany	61

Company	Country	Stand
Krohne Messtechnik	Germany	8
KTN	Norway	45
MONTI - Werkzeuge	Germany	46
NDT Global	Germany	4
Northrop Grumman LITEF	Germany	9
Optosensing	Italy	39
Pergam Suisse	Switzerland	1
PETRO IT	India	16
Pipesurvey International	The Netherlands	49
Polyguard Products INC	USA	60
Praxair Services	United Kingdom	53
PSI	Germany	55
Pure Technologies	Canada	10
Quest Integrity Group	Germany	41
Rheinmetall Canada.	Canada	50
ROSEN Group	Switzerland	5
Seal For Life Industries	The Netherlands	36
STATS (UK)	United Kingdom	27
STEFFEL CP	Germany	59
Synodon	Canada	58
Tracto-Technik	Germany	47
voestalpine Böhler Welding	Austria	21
Yokogawa Europe Solutions	The Netherlands	2



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ROSEN

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ROSEN is a leading privately owned company serving the oil and gas industry with inspection, integrity, and rehabilitation products and services. For over 30 years, ROSEN has provided the industry with advanced inspection and integrity solutions to ensure safe and economical operation of a wide range of assets and facilities. The ROSEN Group operates in more than 100 countries and employs over 2,000 people. Founded by Hermann Rosen in Germany in 1981, ROSEN has been headquartered in Switzerland since 2000. In September 2011, ROSEN celebrated its 30th anniversary.

Today, ROSEN not only serves the oil and gas industry but also provides a wide range of sophisticated and innovative products and system solutions to engineering industries such as aerospace, marine, transportation and security. ROSEN also has the expertise and equipment to inspect utility assets such as telecommunication towers, wind turbines, transmission towers, rail wheels and water distribution systems.

Products & Services: • Pipeline cleaning and inspection services • Pipeline cleaning tools, accessories and spare parts • Pipeline rehabilitation services • Cleaning of tanks • Plant & terminal inspection (tanks and other structures in refineries, processing plants, tank farms, etc.) • Inspection of utility assets such as telecommunica-

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ILF Consulting Engineers is a 100% independent, fully private owned engineering and consulting company with

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NDT GLOBAL

NDT Global is a leading supplier of ultrasonic pipeline inspection and pipeline integrity

management. The company counts about 500 specialists based in Canada, Germany, Malaysia, Mexico, Russia, Singapore, UAE and USA. Its state-of-the art inspection fleet provides the entire inline inspection service spectrum for onshore and offshore pipelines worldwide. First Run Success, best data quality and fast report delivery are key benchmarks. A skilled engineering and project management team, complemented by one of the best data analysis teams in the industry, has inspected and analyzed millions of kilometers of pipelines worldwide.

www.ndt-global.com

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www.herrenknecht.de



STATS Group is a specialist engineering company and service provider that operate in the field of piping, pipeline integrity and maintenance. Our comprehensive range of products and services, enable piping and pipeline isolation, intervention, repair, subsea and shutdown services. Innovative solutions and proprietary technologies include: • Tecno Plug™, fail-safe double block and bleed pipeline isolation tools for high pressure operations. These dual seal isolation plugs are available for tethered, pigging or manual operation • BISEP™, STATS patented technology provides fail-safe double block and bleed isolation, deployed through a single full bore hot tap penetration. STATS Group operates across the world through a network of branch offices and agencies

www.statsgroup.com



GOTTSSBERG Leak Detection GmbH&Co.

KG is a family owned developer and manu-

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

www.leak-detection.de



Yokogawa is a leading industrial automation company and a pioneer in the development of

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

www.yokogawa.com/eu



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www.voestalpine.com/welding



Driven by our purpose of safeguarding

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

www.dnvgl.com

EXHIBITORS



Founded in 1990, 3X Engineering has become the company specialized in pipe

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We are your global DTS (Distributed Temperature Sensing) and DVS

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www.apsensing.com/applications/Ing-and-pipeline-monitoring



Applus RTD the global reference in

non-destructive testing and inspection, focused on providing total solutions to the capital-intensive, high-risk energy, utility and infrastructure industries. We provide local NDT&I services all over the world, standard as well as tailor-made, and qualified employees to ensure the quality and profitability of your assets.
www.ApplusRTD.de



Atmos International are dedicated to pipeline

technology. Atmos provides pipeline leak detection, theft detection, and simulation technology to the oil, gas, water, and associated industries. These technologies are implemented on over 600 pipelines in 55 countries, including major oil and gas companies such as Shell, BP, ExxonMobil, and Total.
www.atmosi.com



Established in 1945, BS Coatings is a major player in the sector of anti-corrosion and

functional coatings thanks to its market knowledge and a reactive organization. It has developed various coatings technologies, which are recognized and valued by the oil & gas industries, and also the water industry mainly for pipe coatings and tank linings. BS Coatings also serve the industry and building markets.

www.bs-coatings.com



Since 1998, CDRIA Pipeline Services Ltd. has been developing, manufacturing and operating ultrasonic

diagnostic tools used for inspecting crude oil and oil product pipelines. So far, CDRIA delivered more than 16,000 km of In-Line Inspections in Poland and internationally. Our business success results from our continuous effort to improve our services and apply new technologies.
cdria.com



Clock Spring is the

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



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

www.creaform3d.com



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

www.denso.de



Dhatec develops and manufactures products that take care of line pipe quality during manufacturing, coating, handling, transport and storage. Our product program does not only aim to maintain pipe quality, but also to improve the efficiency and safety of each process. With this expertise, Dhatec assists project

managers to organize the logistics of pipeline projects.

www.dhatec.nl



Esders GmbH served the gas and water industries since 1989, developing and manufacturing outstanding measuring equipment, software and system solutions. Our more than 20 years of experience in Germany and many other countries provide the basis for our knowledgeable applications engineering and tailor-made solutions to our customer's needs.

www.esders.de



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www.diakont.com



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The Kebulin Gesellschaft has manufactured field

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KROHNE is a full-service

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specialises in condition assessments and periodic maintenance of oil and gas pipelines. The company performs work on offshore installations and onshore terminals and process plants internationally. KTN is specially well known for their tethered tool inspection technology for challenging pipelines. www.ktn.no



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LITEF GmbH has more than 50 years of experience in high performance inertial sensors and navigation systems. Our products are well known in demanding applications as airborne attitude and heading systems. We also provide our

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Optosensing s.r.l. is an academic spin-off

whose aim is to produce and exploit distributed optical fibre systems. It originates from the collaboration of researchers working in the domains of electronic, civil and environmental engineering, and of the HPSYSTEM.IT Company, active in the domain of civil and industrial monitoring. www.optosensing.it



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



Petro IT provides best-in-class software solutions

supporting the build-out, maintenance and operations of energy transportation assets. Petro IT's world-wide organization is dedicated to helping asset owners and operators improve the productivity of their

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Pipesurvey International

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



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Praxair Services specializes in Leak Detection services: TracerTight® leak detection for aboveground storage tanks (ASTs), underground storage tanks (USTs) and terminal buried piping. Seeper-Trace™ leak detection system for long

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www.praxair.com/leakdetection



PSI supplies the oil, gas and chemical industries with

their market-leading pipeline monitoring and leak detection application suite. This comprehensive suite includes the world-wide #1 leak detection system that complies with SIL, TRFL, API and industry standards. Its RTTM is one of the fastest and most accurate pipeline simulation technologies. The PSI team provides a full-scope and effective support world-wide.

www.psi.de



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

www.puretechltd.com



Quest Integrity Group is built on a foundation of

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Corporation USA, is the name of known companies Anodeflex, STOPAQ, Polyken, Covalence, and Powercrete, who are engaged in preventing and combating corrosion, water ingress and insulation issues in the broadest possible sense.

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cp.steffel.com



Synodon provides advanced airborne integrity manage-

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www.synodon.com



TRACTO-TECHNIK develops and builds machines for the underground installation and

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www.tracto-technik.com



EUROPE'S BIGGEST PIPELINE EVENT

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

After starting as a small side event of the huge HANNOVER MESSE trade show in 2006 in Hannover, the Pipeline Technology Conference developed into Europe's largest pipeline conference and exhibition. Since 2012 the EITEP Institute organizes the ptc on its own and moved the event to Berlin in 2014. The 10th anniversary will again be a record breaking event.

OPERATORS

INCREASING SHARE

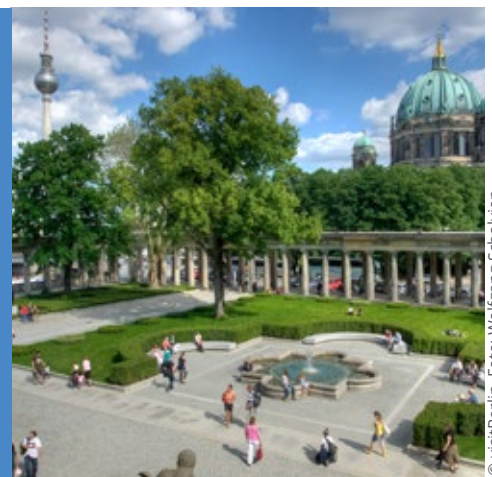
Over the last years the number of delegations from different pipeline operators increased steadily. Last year more than 100 delegates from 50 different national and international pipelines operators came to Berlin.



TRULY INTERNATIONAL

63% OF THE PTC DELEGATES ARE COMING FROM ABROAD (EUROPE, MIDDLE EAST, NORTH AMERICA, SOUTH AMERICA, ASIA, ETC.)

ptc is a truly international event with only 37% of the delegates coming from Germany. In 2014 delegates from 42 different countries attended the 9th ptc in Berlin. The share of delegates from abroad is increasing from year to year.



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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.

GENERAL INFORMATION

ACCOMMODATION

ESTREL BERLIN
Sonnentallee 225
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Germany
www.estrel.com

Booking
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hotel@estrel.com

A limited contingent of rooms is reserved until 13.04.2015. Please contact the hotel directly and make your own reservation as soon as possible with reference to "ptc 2015".

Room rates per night *
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* including breakfast and free wi-fi

The hotel rooms are located within walking distance to the Pipeline Technology Conference venue.

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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.

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www.pipeline-journal.net



QUICK FACTS



ORGANIZER

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



CONFERENCE MANAGEMENT

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



VENUE

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



DELEGATE FEE

740 Euro + VAT (regular)
60 Euro + VAT (student)



LANGUAGE

English



OFFICIAL E-JOURNAL

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

Please return form to:
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Questions? Contact Mr. Dennis Fandrich on +49 511 90992 22

EXHIBITOR REGISTRATION

10TH PIPELINE TECHNOLOGY CONFERENCE 2015

8-10 June 2015, Estrel Berlin, Berlin, Germany
Exhibition Stand Booking Form

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Position	
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| <input type="checkbox"/> 6 sqm, 3,900 € + VAT | <input type="checkbox"/> 18 sqm, 8,900 € + VAT | <input type="checkbox"/> 36 sqm, 16,400 € + VAT |
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included services: walls, 1 table, 2 chairs, power supply, wastepaper basket, 1/4 page advertisement within conference proceedings, 3 free-of-charge conference registrations, logo + link + profile on conference website, logo + link + profile in conference program, discount on advertisements in "Pipeline Technology Journal"

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Please return form to:
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 Questions? Contact Mr. Dennis Fandrich on +49 511 90992 22

DELEGATE REGISTRATION

10TH PIPELINE TECHNOLOGY CONFERENCE 2015

8-10 June 2015, Estrel Berlin, Berlin, Germany
 Delegate Registration Form

DELEGATE	
Company	
Title / First Name / Last Name	
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Address	
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Country	
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ptc Delegate Registration (8-10 June 2015)	
<input type="checkbox"/> Regular	740 Euro + VAT
<input type="checkbox"/> Students	60 Euro + VAT
<input type="checkbox"/> yes <input type="checkbox"/> no	I will take part at the dinner invitation on 9 June (included in the registration fee)
<input type="checkbox"/> yes <input type="checkbox"/> no	I would like to take along my spouse/partner to the dinner invitation on 9 June (at an extra charge of 50 Euro + VAT / only available for "Regular" registrations)

Group packages available on request

Participation fee includes: entrance to conference and exhibition, printed proceedings, lunch, beverages, snacks, tickets for get-together and dinner invitation

Entry conditions: Payment has to be made before the conference. Conference registrations can be cancelled (in writing only) at a service charge of 70 Euro up to 6 weeks before the event. In case of later cancellation or failure to attend the entire attendance fee will be payable. The registered delegate may nominate a substitute at no additional cost. The organisers reserve the right to amend the program of events if necessary.

I would also like to participate in one of the following seminars (11-12 June 2015)	
<input type="checkbox"/> In-Line Inspection of Onshore and Offshore Pipelines	1,200 Euro + VAT
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