



# Pipeline Technology Conference 2011

04-05 April 2011, Conference Area Hall 2  
HANNOVER MESSE, Germany

## Conference Program



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## WELCOME TO THE 6TH PIPELINE TECHNOLOGY CONFERENCE

The Pipeline Technology Conference (ptc), was set up in 2006 and has greatly gained in popularity over the recent years. On 4-5 April 2011 it will once again bring together the most important national and international actors in the pipeline business. Speeches from 57 speakers will present new technologies and current case studies concerning the planning, construction, operation and maintenance of offshore and onshore pipelines. The event is complemented by an accompanying exhibition.

As in previous years, roughly 50% of the participants will be from countries outside of Germany. The major international corporations Saudi Aramco, PetroChina, Petronas, Petrobras, Indian Oil, Kuwait Oil, Transneft and eni have already confirmed their participation. Germany's major operators of crude oil and natural gas pipelines will also be represented.

Please take a look at the following pages to get an insight into the technical excellence of ptc 2011.

I look forward to welcoming you to Hannover in April and to seeing you during our Pipeline Technology Conference and accompanying exhibition.



Dr. Klaus Ritter  
Pipeline Technology Conference Chairman  
President of EITEP



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## CONFERENCE BACKGROUND

### THE EVENT

Since 2006 the Pipeline Technology Conference (ptc) takes place during the world's most important technology event - HANNOVER MESSE. The main focus of the Pipeline Technology Conference (ptc) is on latest technologies and new developments in the international pipeline industry. The areas of intelligent pigging technology and integrity management, which have traditionally had a strong presence, will continue to form a focal point in 2011. The major technology suppliers will present their new developments for discussion and comparison in the technical sessions and the accompanying trade exhibition. Other main topics include planning and construction, material issues, operational improvements, rehabilitation of ageing pipelines, the transportation of special media such as CO<sub>2</sub>, LNG and H<sub>2</sub> and safety technology. New solutions from what is currently the largest pipeline construction project in Europe, Nord Stream – OPAL – NEL, will be presented in a number of presentations.

### THE ORGANIZER

The Euro Institute for Information and Technology Transfer in Environmental Protection, EITEP, was originally founded by the German technical and scientific associations on energy and water to assist them and their members in their international activities. EITEP works in close cooperation with the relevant German associations, universities and authorities and makes use of their competencies.

EITEP is working together with and on behalf of GSIST - German Society for Infrastructure Solutions Transfer. GSIST's objective is to help organizations from Germany/Europe to attract more attention to their solutions on the global market.










## CONFERENCE OVERVIEW

Monday, 4 April 2011			
9:30-10:00	Registration		
10:00-11:30	Opening and Plenary Session		
11:30-12:00	Coffee Break within the Exhibition		
12:00-13:15	Opening and Plenary Session		
13:15-14:30	Lunch Break within the Exhibition		
14:30-15:45	Session 1: Planning and Construction	Session 2: Inline Inspection	Session 3: Operational Im- provements
15:45-16:15	Coffee Break within the Exhibition		
16:15-17:30	Session 1: Planning and Construction	Session 2: Inline Inspection	Session 3: Operational Im- provements
from 17:30	Get together within the Exhibition		

Tuesday, 5 April 2011			
10:00-11:15	Session 4: Materials and Components	Session 5: Integrity Management - Technologies	Session 6: Pipeline Monitoring
11:15-11:45	Coffee Break within the Exhibition		
11:45-13:00	Session 4: Materials and Components	Session 5: Integrity Management - Technologies	Session 6: Pipeline Monitoring
13:00-14:15	Lunch Break within the Exhibition		
14:15-15:15	Session 7: Rehabilitation	Session 8: Integrity Management - Analysis	Session 9: Special Media (H <sub>2</sub> / CO <sub>2</sub> )
15:15-15:45	Coffee Break within the Exhibition		
15:45-17:00	Session 7: Rehabilitation	Session 8: Integrity Management - Analysis	Session 9: Special Media (H <sub>2</sub> / CO <sub>2</sub> )
17:00	End of Conference		

## CONFERENCE PROGRAM - DAY 1 (MONDAY 4 APRIL 2011)

TIME	OPENING AND PLENARY SESSION
Session Chair: Dr. Gerald Linke, Head of Competence Center Gas Technology and Energy Systems, E.ON Ruhrgas, Germany	
10:00-11:30	 <p>Opening Speech  <b>Dr. Klaus Ritter</b>, EITEP - Euro Institute for Information and Technology Transfer in Environmental Protection, Germany</p>
	 <p>The German Innovation Initiative for the Optimisation of Existing Gas Infrastructures  <b>Dr. Jürgen Lenz</b>, Vice President, DVGW - German Technical and Scientific Association for Gas and Water, Germany</p>
	 <p>Perspective on the Development of European Gas Infrastructure  <b>Oliver Giese</b>, E.ON Ruhrgas, Germany</p>
	 <p>The Outlook for Energy – A View to 2030  <b>Dr. Heinrich Herm Stapelberg</b>, ExxonMobil Central Europe Holding, Germany</p>
11:30-12:00	COFFEE BREAK WITHIN THE EXHIBITION
12:00-13:15	 <p>The Nord Stream, OPAL &amp; NEL Pipelines and Europe's Search for Assured Gas Supplies  <b>Michael Schad</b>, DENSO, Germany</p>
	 <p>Planned and Ongoing Pipeline Projects for Caspian Oil and Gas. A Race between Europe and China?  <b>Christian Heinz</b>, ILF Consulting Engineers, Germany</p>
	 <p>Feeding the Shale Gas Revolution – 2005-2010 Core Structural Changes in the North American Market  <b>John Pippard</b>, Dresser NGS, UK</p>
13:15-14:30	LUNCH BREAK WITHIN THE EXHIBITION

## CONFERENCE PROGRAM - DAY 1 (MONDAY 4 APRIL 2011)

TIME	SESSION 1: PLANNING AND CONSTRUCTION	SESSION 2: INLINE INSPECTION	SESSION 3: OPERATIONAL IMPROVEMENTS
	Session Chair: NN	Session Chair: NN	Session Chair: Prof. Dr. Klaus Homann, CEO, Thyssengas, Germany
14:30-15:45	Pipe Tracking Systems - Logistical Challenges of Large-scale Projects like Nord Stream <b>Andreas Rudl</b> , iTAC Software, Germany	Saudi Aramco's Proactive Approach to Identify Stress Corrosion Cracking Using Latest EMAT Inspection Technology. <b>Abdulwahab Qahtani</b> , Saudi Aramco, Saudi Arabia	Technical Safety Management (TSM) in the Gas Industry According to German Standards <b>N.N.</b>
	Nabucco Gas Pipeline Project - A challenging project in the prequalification phase <b>Michael Küpper</b> , TÜV International \ TÜV Rheinland Group, Germany	In-Line Inspection of Multidiameter Pipelines – Standardization of a Tool Fleet <b>Dr. Hubert Lindner</b> , ROSEN Technology and Research Center, Germany	Pipeline Leak Detection Operational Improvements – An Overview of Currently Available Leak Detection Technologies & US Regulations / Standards <b>Joseph Summa</b> , Technical Toolboxes, USA
	Crossing of the river Amu Darya along 1,800 metres with a 56" high-pressure gas pipeline using the HDD method <b>Christian Veenker</b> , Dr.-Ing. Veenker Ingenieurgesellschaft mbH, Germany	Update on Emat technology for inspection of Gas Pipelines <b>Stephan Tappert</b> , GE Oil & Gas - PII Pipeline Solutions, UK	De-risking Solutions for Pipelines <b>Sanjeev Sinha</b> , Siemens, Germany
15:45-16:15	COFFEE BREAK WITHIN THE EXHIBITION		
16:15-17:30	New Pipeline Coating Quality Control Technology for HDD and other Pipeline Construction Methods <b>Dr. Marc Peters</b> , Herrenknecht, Germany	High Resolution Ultrasonic In-Line Inspection: Special Applications <b>Sebastian Hartmann</b> , NDT Systems & Services, Germany	Improving Operational Safety in Oil Pipelines <b>Karina Chacur Schraml</b> , Petrobras Transporte S.A. - TRANSPETRO, Brazil
	Remotely Controlled Hyperbaric Welding of Subsea Pipelines <b>Hans Fostervoll</b> , SINTEF Materials and Chemistry, Norway	Overcoming limitations of current in-line inspection technology by applying a new approach using spiral magnetic flux leakage (SMFL) <b>Dr. Mike Kirkwood</b> , T.D. Williamson Middle East, United Arab Emirates	An Alternative Method for Dimensioning of Line Pipe for Pipeline Projects <b>Gunther Kuhn</b> , TÜV SÜD Industrie Service, Germany
	O-lay technology, developments on an offshore pipelay innovation <b>Jan Buijvoets</b> , Industrial Innovations, The Netherlands	Considering In-Line Inspection Technologies as Expert Systems: Role for In-Field Validation Using Advanced NDE <b>Martin Fingerhut</b> , Applus RTD, USA	Large size quarter turn control valves can improve safety in pipelines <b>Carlos Lorusso</b> , Tyco Flow Control, Argentina
from 17:30	GET TOGETHER WITHIN THE EXHIBITION		

## CONFERENCE PROGRAM - DAY 2 (TUESDAY 5 APRIL 2011)

TIME	SESSION 4: MATERIALS AND COMPONENTS	SESSION 5: INTEGRITY MANAGEMENT-TECHNOLOGIES	SESSION 6: PIPELINE MONITORING
	Session Chair: Dr. Gerhard Knauf, Head of Division Mechanical Engineering, Salzgitter Mannesmann Forschung, Germany	Session Chair: Dr. Manfred Veenker, Shareholder, Dr.-Ing. Veenker Ingenieurgesellschaft, Germany	Session Chair: Wolfgang Krieg, Corporate Marketing Manager, ROSEN Headquarters, Switzerland
10:00-11:15	Challenges in Producing Line Pipe for the Nord Stream Project and Connecting Lines <b>Dr. Christoph Kalwa</b> , EUROPIPE, Germany	Advanced Assessment of Pipeline Integrity Using ILI Data <b>Dan Revelle</b> , Quest Integrity Group, LLC, USA	A Novel Intelligent Pipe Protection System used for the Nord Stream Pipeline Construction <b>Michael Magerstädt</b> , ROPLAST, Germany
	Stability of Offshore Pipelines in Close Proximity to the Seabed <b>Dr. Filip van den Abeele</b> , ArcelorMittal Global R&D Gent, Belgium	Critical IT-Infrastructure like Pipeline SCADA systems require cyber-attack protection <b>Tobias Walk</b> , ILF Consulting Engineers GmbH, Germany	Leakage Detection using Fiber Optics Distributed Temperature Sensing <b>Ashim Mishra, Ashwani Soni</b> , Engineers India Limited, India
	Deep fracture profile effect on DWT Test for pipeline characterization <b>Matteo Minotti</b> , University of Rome "Tor Vergata", Italy	ATEX Compliant Provision of In-Line Inspection Services <b>Thomas Beucker</b> , ROSEN Technology and Research Center, Germany	Enhanced Pipeline Monitoring With Fiber Optic Sensors <b>Jochen Frings</b> , ILF Consulting Engineers, Germany
11:15-11:45	COFFEE BREAK WITHIN THE EXHIBITION		
11:45-13:00	The novel Wehocoat field joint coating technology for PE onshore pipelines <b>Thomas Stark</b> , Borealis Polymere, Austria	Evolution of Triax Magnetic Flux Leakage Inspection for Mitigation of Spiral Weld Anomalies <b>Marting Bluck</b> , GE Oil & Gas - PII Pipeline Solutions, UK	Advances in Mechanical Damage Management <b>Martin Fingerhut</b> , Applus RTD, USA
	Mechanical behavior of metal loss in heat affected zone of welded joints in low carbon steel pipes. <b>Prof. Martín J. Fernández C.</b> , Tuxtepec Institute of Technology, Mexico	Successful and efficient processing of operational tasks with PIMS and Network Asset Management <b>Sebastian Pache</b> , GEOMAGIC, Germany	ILDS - An Innovative Approach for Pipeline Leak Detection <b>Maurino de Febbo</b> , Asel-Tech, Brazil
	Earth-Laid Transport Pipes for -162°C to +400°C <b>David Fröhlich</b> , FW-FERNWÄRME-TECHNIK, Germany	Safety Integrity Level (SIL) Assessment as key element within the plant design <b>Tobias Walk</b> , ILF Consulting Engineers, Germany	Detection of pipeline leaks in litres <b>Dr. Alex S. de Joode</b> , ATMOS International, UK
13:00-14:15	LUNCH BREAK WITHIN THE EXHIBITION		

**CONFERENCE PROGRAM - DAY 2**  
**(TUESDAY 5 APRIL 2011)**

TIME	SESSION 7: REHABILITATION	SESSION 8: INTEGRITY MANAGEMENT-ANALYSIS	SESSION 9: SPECIAL MEDIA (H <sub>2</sub> / CO <sub>2</sub> )
	Session Chair: Christian Heinz, Director of the ILF Business Unit for Oil and Gas Pipelines, ILF Consulting Engineers, Germany	Session Chair: Jens Focke, Account Manager, GEOMAGIC, Germany	Session Chair: David Emilio Nerucci, Head of Oil & Gas Pipeline System department, ILF Consulting Engineers, Germany
14:15-15:15	Practical Aspects for the Development of Rehabilitation Strategies for Ageing Onshore Pipelines: A Case Study <b>David Coley</b> , The Oil and Pipelines Agency, UK	Lifetime benefits from different defect assessment methods <b>Wolfgang Schmidt</b> , TÜV Rheinland Industrie Service, Germany	The Role of Natural Gas Infrastructure and Pipeline Systems to store Renewable Power <b>Dr. Achim Hilgenstock</b> , E.ON Ruhrgas, Germany
	How viscous elastic coatings can overcome typical corrosion problems during rehabilitation <b>Leo van Beugen</b> , Kleiss & co, The Netherlands	Risk & Reliability Based Fitness For Service (FFS) Assessment For Subsea Pipelines <b>M. Ashri Mustapha</b> , PETRONAS Carigali, Malaysia	Semi-optimised pipeline routing for CO <sub>2</sub> Capture and Storage <b>Kris Welkenhuysen</b> , Geological Survey of Belgium - Royal Belgian Institute of Natural Sciences, Belgium
15:15-15:45	<b>COFFEE BREAK WITHIN THE EXHIBITION</b>		
15:45-17:00	Rehabilitation of 32" Gas Pipeline in a most Cost Effective ways <b>K. P. Sharma</b> , Kuwait Oil Company - KOC, Kuwait	Assessment of Seam integrity of an aging petroleum pipeline constructed with Low Frequency ERW line pipes <b>J.P. Sinha</b> , IndianOil Corporation (Pipelines), India	Requirements for safe and reliable CO <sub>2</sub> transportation pipeline <b>Dr. Stefan Jäger</b> , Salzgitter Mannesmann Forschung, Germany
	Cathodic Disbondment Evaluation in Relation to Non-aging Pipeline Coatings <b>Erik Broesder</b> , STOPAQ, The Netherlands	Analysis of failure causes of pipelines transporting dangerous substances <b>Dr. Rikkert Hansler</b> , RIVM – Centrum Externe Veiligheid, The Netherlands	Technical challenges facing the transport of anthropogenic CO <sub>2</sub> by pipeline for CCS purposes <b>C. Spinelli</b> , eni gas & power Division, Italy
	Demolition of Redundant Oil Pipelines <b>Fouad Mohamed</b> , Kuwait Oil Company - KOC, Kuwait	Applied Integrity Management – Highlighting Business Process Improvement Evident Within Class Leading Programmes <b>Bill Rees</b> , PIMS of London, UK	Integrity Management Approach to Reuse of Oil and Gas Pipelines for CO <sub>2</sub> Transportation <b>Patrick Rabindran</b> , Wood Group Integrity Management, UK
17:00	<b>END OF CONFERENCE</b>		

## PLATINUM SPONSOR



As an expert in pipeline cleaning and inspection, the ROSEN Group has provided innovative solutions to the Oil & Gas industry since 1981. Active in more than 100 countries around the world, the organization supports the industry with sophisticated inspections, integrity services, rehabilitations and products to ensure that its customers' facilities maintain full operating capacity throughout their entire life span.

ROSEN's aim is to be the leading integrity partner for companies in the Oil & Gas industry who operate complex and sensitive facilities such as pipelines, storage tanks, and plants.

[www.roseninspection.net](http://www.roseninspection.net)

Stand No. 7/8



## GOLDEN SPONSORS



Nord Stream is a natural gas pipeline that will link Russia and the European Union through the Baltic Sea. The European Union's annual natural gas imports in the year 2007 were approximately 312 billion cubic metres (bcm) and are projected to increase to 516 bcm by the year 2030. This means that by 2030, the EU's annual import needs will have increased by about 200 bcm (Source: IEA, World Energy Outlook, 2009). Nord Stream will meet about 25 percent of this additional gas import requirement by connecting the European gas pipeline network to some of the world's largest gas reserves. The project will be an important contribution to long-term security of supply and a milestone of the energy partnership between the European Union and Russia. Nord Stream AG plans to have the first of two parallel pipelines operational in 2011. Each line is approximately 1,220 kilometres long, providing a transport capacity of some 27.5 bcm per year. Full capacity of about 55 bcm per year will be reached when the second line goes on stream. This is enough gas to supply more than 26 million European households.

Nord Stream AG is an international joint venture established for the planning, construction and subsequent operation of the new offshore gas pipeline through the Baltic Sea. Russian OAO Gazprom holds a 51 percent stake in the joint venture. The German companies BASF SE/Wintershall Holding GmbH and E.ON Ruhrgas AG hold 15.5 percent each, and the Dutch gas infrastructure company N.V. Nederlandse Gasunie and the French energy company GDF SUEZ S.A. each hold a 9 percent stake.

[www.nord-stream.com/en](http://www.nord-stream.com/en)





## GOLDEN SPONSORS



ILF Consulting Engineers is a 100% independent, fully private owned engineering and consulting firm with more than 40 years of experience in the business of oil and gas, energy, water and environment, construction and infrastructure. ILF provides comprehensive, full-scope services for major industrial and infrastructure projects and combines world class consulting expertise and a broad international background with project-specific know-how and an in-depth understanding of local requirements due to a stable, long-established presence in its markets.

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Herrenknecht AG located in Germany is a technology and market leader in mechanized tunnelling. As the only company worldwide, Herrenknecht delivers cutting-edge tunnel boring machines for all ground conditions and with all diameters - ranging from 0.10 to 19 meters. The Herrenknecht product range includes tailor-made machines for traffic and transport tunnels (Traffic Tunnelling) and supply and disposal tunnels (Utility Tunnelling). The company also provides state-of-the-art deep drilling rigs, to bore to a depth of 6,000 meters (Herrenknecht Vertical). The most recent subsidiary (Bohrtec Vertical) supplies small drilling devices for the use of shallow geothermal energy.

[www.herrenknecht.com](http://www.herrenknecht.com)

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Situated in Germany, in the center of Europe, an experienced team of engineers and technicians designs, manufactures and maintains innovative tunnel boring machines. We are following up on a more than 100 years old tradition of the Schmidt, Kranz Group which started building mining and tunnelling systems in the 19th century. mts systems operate successfully both in the summer heat of the Middle East and in the cold of the Russian winter. The flexible ground conveyance systems guarantee good penetration rates in sand as well as in hard rock. You define the project, we provide you with the appropriate solution for it. As there is no "standard" ground, you will not receive a "standard" machine from us, but one that perfectly suits your requirements.

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

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Stand No. 11

## EXHIBITORS



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](http://www.dhatec.nl)

Stand No. 5



- Implemented and applies QA System acc. to PED 97/23/EC
- Approval CRN 0B12002.5ADD1 for flanges B16.5

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- Manufacturer of flanges and fittings for wholesalers and large consumers – world-wide.
- Certified acc. DIN EN ISO 9001:2008
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Heraeus Noblelight GmbH with its headquarters in Hanau and with subsidiaries in the USA, Great Britain, France, China and Australia, is one of the technology and market leaders in the production of specialty light sources. In 2009, Heraeus Noblelight had an annual turnover of 71.6 Million € and employed 707 people worldwide. The organisation develops, manufactures and markets infrared and ultraviolet emitters for applications in industrial manufacture, environmental protection, medicine and cosmetics, research, development and analytical laboratories.

[www.heraeus-noblelight.com](http://www.heraeus-noblelight.com)

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**HOBAS®**

HOBAS provide GRP (glass fiber reinforced plastics) Pipe Systems for sewer and potable water networks, irrigation systems, hydropower lines, industrial market etc. Standard and tailor-made Fittings and Couplings complement the broad range of available pipe diameters. HOBAS GRP Pipe Systems are easy to install by various methods and in different media: above ground, open trench, trenchless or subaqueous.

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Stand No. 18



IPSCO GmbH is a provider of products and services to operators of cross-country, distribution and plant piping systems. Our primary fields of activity are: Hottapping up to 72", Linestopping up to 48" (both up to 100 bar), Consumables (i.e. Split-Tees, Cutters, pilots) for those operations and Split-Sleeve-repair Clamps. We offer equipment for sale and the execution of relevant service work around the world.

[www.ipsco.de](http://www.ipsco.de)

Stand No. 10



[www.itac.de](http://www.itac.de)

iTAC Software AG is a leading provider of Manufacturing Execution Systems (MES). iTAC develops implements, maintains and provides support for its platform-independent iTAC.MES.Suite in manufacturing companies world-wide.

Stand No. 9



Since more than 20 years already Jabitherm is specialized in manufacturing step-resistant pre-insulated piping for transporting liquid and gaseous media at different temperatures. We provide calculation of project-related basic data for efficient engineering and early cost estimate and prefabricated piping including insulation ready to fit. We are certified according to ISO 9001:2008.

[www.jabitherm.com](http://www.jabitherm.com)

Stand No. 17



The Kebulin Gesellschaft has manufactured field coating materials for earth and water installed pipeline construction for over 60 years.

This wealth of experience and our striving for constant improvement applies both to the continuous optimisation of existing products and also the new development of innovative products (Kebulen shrink technology).

[www.kebu.de](http://www.kebu.de)

Stand No. 22

## EXHIBITORS



Keymay holds the Turn Key solution for all pipeline buoyancy control situations. We offer our "Set-On" Geotextile Pipeline Weights (GPW), Screw Anchors,

Continuous Concrete Coating, and Concrete Bolt-On and Set-on Weights or any combination to complete your project worldwide.

We also manufacture Steel Pipeline Repair Sleeves and Red One Pipeline Rockshield.

[www.keymay.com](http://www.keymay.com)

Stand No. 4



Kleiss & Co. b.v. is manufacturer of VISCOTAQ viscous elastic coatings. VISCOTAQ is an amorphous a-polar polyolefin available in the form of a roll and mastic. VISCOTAQ has an immediate adhesion to all substrates without priming and is 100% impervious to moisture and oxygen.

[www.kleiss.nl](http://www.kleiss.nl)

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Corrosion + mill scale removal achieving a cleanliness of SA 2.5/SA 3.0 (SP 10/SP5) and an anchor profile (60-85 microns on API 5L steel). For spot repair and in areas where conventional blasting processes are prohibited or not economical.

[www.monti.de](http://www.monti.de)

Stand No. 20



NDT Systems & Services

NDT Systems & Services AG with its business unit NDT Services offers global pipeline services: pipeline preparation and cleaning, geometry inspection, mapping, metal loss and crack detection, integrity assessment and fitness-for-purpose analysis. A network of worldwide operating units, professional project management teams, highly trained crews and data analysts ensure high quality services.

[www.ndt-global.de](http://www.ndt-global.de)

Stand No. 13



Schoenbeck GmbH & Co. KG is located in Nienstaedt which is 50km NW outside of Hannover, Germany and was founded in 1999.

Serving two major Industries, with more than 36 years of experience in material handling we develop and manufacture specialised pipe handling equipment for the sewage clay pipe and the pipeline Industry, on & off shore.

[www.vacuumpipelifting.com](http://www.vacuumpipelifting.com)

Stand No. 21



STOPAQ supplies a wide range of green visco-elastic solution to protect assets from corrosion and water ingress.

The patented visco-elastic product solutions are produced in two different plants at our sites in Stadskanaal, The Netherlands and Damman, Saudi Arabia. The products are world-wide marketed under the brands of STOPAQ®.

[www.stopaq.com](http://www.stopaq.com)

Stand No. 14



T. D. Williamson, Inc., the world's most recognized name in pipeline equipment and services, delivers safe integrity solutions for onshore and offshore applications. TDW's expertise provides hot tapping & plugging, pipeline cleaning, geometry & MFL inspection, pigging and non-tethered plugging pig technology services for any pressurized pipeline system, anywhere in the world.

[www.tdwilliamson.com](http://www.tdwilliamson.com)

Stand No. 3



Technical Toolboxes Inc. (TTI) is a leading global provider of integrated pipeline software and research documentation for pipeline engineering and technical professionals. Our Toolbox software products are helping hundreds of companies throughout the world meet the day-to-day demands of the pipeline and energy business. The integrated software products provide companies with engineering software productivity tools for standardization and training of their technical professionals.

[www.ttoolboxes.com](http://www.ttoolboxes.com)

Stand No. 16

## EXHIBITION

Dhatec, Line Pipe Logistic	The Netherlands	Stand 5
Euroflansch	Germany	Stand 19
Heracaeus Noblelight	Germany	Stand 12
Herrenknecht	Germany	Stand 2
HOBAS Rohre	Germany	Stand 18
ILF Consulting Engineers	Germany	Stand 1
IPSCO	Germany	Stand 10
iTAC Software	Germany	Stand 9
Jabitherm Rohrsysteme	Germany	Stand 17
Kebulin-Gesellschaft Kettler	Germany	Stand 22
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Kleiss & Co.	The Netherlands	Stand 15
MONTI Werkzeuge	Germany	Stand 20
mts-Perforator	Germany	Stand 6
NDT Systems & Services	Germany	Stand 13
Nord Stream	Switzerland	
Quest Integrity	The Netherlands	Stand 11
ROSEN Group	Switzerland	Stand 7/8
Schoenbeck	Germany	Stand 21
Stopaq	The Netherlands	Stand 14
T.D. Williamson	Germany	Stand 3
Technical Toolboxes	USA	Stand 16

## EXHIBITION STAND LAYOUT



## SUPPORTERS



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Association of the German Petroleum Industry  
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Pipeline Pigging Products and Services Associa-  
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Pipeline & Gas Journal  
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## A SPECIAL THANKS TO ALL SUPPORTING COMPANIES FROM THE LAST 5 YEARS



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sity of Petroleum and Energy Studies, University of Rome "Tor Vergata", University of Stavanger, V & M DEUTSCHLAND GmbH, Vhelberg Corporation, VIETZ GmbH, Visser & Smit Hanab. b.v., V-LINE EUROPE, VNG Verbundnetz Gas AG, Vogel Business Media GmbH&Co.KG, Volvo Construction Equipment GmbH & Co. KG, VoTech Filter GmbH, Waldemar Suckut VDI, Wärtsilä Deutschland GmbH, Wärtsilä Finland, Weatherford Pipeline & Speciality, Werner Watznauer Alpine Bau GmbH, West LB, Wingas GmbH, Wintershall Holding AG, Wood Group Integrity Management Ltd, World Pipelines, Yalian Steel Corporation (Canada), Yokogawa Europe, ZAVAR Company



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sity of Petroleum and Energy Studies, University of Rome "Tor Vergata", University of Stavanger, V & M DEUTSCHLAND GmbH, Vhelberg Corporation, VIETZ GmbH, Visser & Smit Hanab. b.v., V-LINE EUROPE, VNG Verbundnetz Gas AG, Vogel Business Media GmbH&Co.KG, Volvo Construction Equipment GmbH & Co. KG, VoTech Filter GmbH, Waldemar Suckut VDI, Wärtsilä Deutschland GmbH, Wärtsilä Finland, Weatherford Pipeline & Speciality, Werner Watznauer Alpine Bau GmbH, West LB, Wingas GmbH, Wintershall Holding AG, Wood Group Integrity Management Ltd, World Pipelines, Yalian Steel Corporation (Canada), Yokogawa Europe, ZAVAR Company

## INFORMATION

### VENUE

The Pipeline Technology Conference is part of HANNOVER MESSE exhibition, which is one of the largest industry trade fairs worldwide.

Pipeline Technology Conference 2011 is taking place in the Conference Area of Hall 2, close to entrance NORD 2. Please go upstairs and follow the signs for "Tagungsräume".

Address: Deutsche Messe AG, Hall 2, Messegelände, 30521 Hanover, Germany

For further information on travelling: [www.pipeline-conference.com/travel-information](http://www.pipeline-conference.com/travel-information)

### ACCOMMODATION

Due to the fact that the Pipeline Technology Conference is part of the huge HANNOVER MESSE trade show with some 6,000 exhibitors and more than 200,000 visitors each year, it is highly recommend to book hotel rooms at an early stage.

A special hotel reservation form and other options for booking accommodations are available online at:

[www.pipeline-conference.com/travel-information](http://www.pipeline-conference.com/travel-information)

### VISA APPLICATION

Participants who need visa for Germany could use the visa application service of HANNOVER MESSE.

Please see [www.pipeline-conference.com/travel-information](http://www.pipeline-conference.com/travel-information) for details

### PARTICIPATION FEE

**Regular:** 420.00 Euro + VAT

**Students:** 50.00 Euro + VAT

Group packages on request

Participation fee includes proceedings (including CD-ROM with papers), lunch, beverages, snacks, invitation for Get-together, day tickets for HANNOVER MESSE.

For registration please see [www.pipeline-conference.com/registration](http://www.pipeline-conference.com/registration)

### CONFERENCE LANGUAGE

English

### LEGEND

VAT: Value Added Tax (19%)

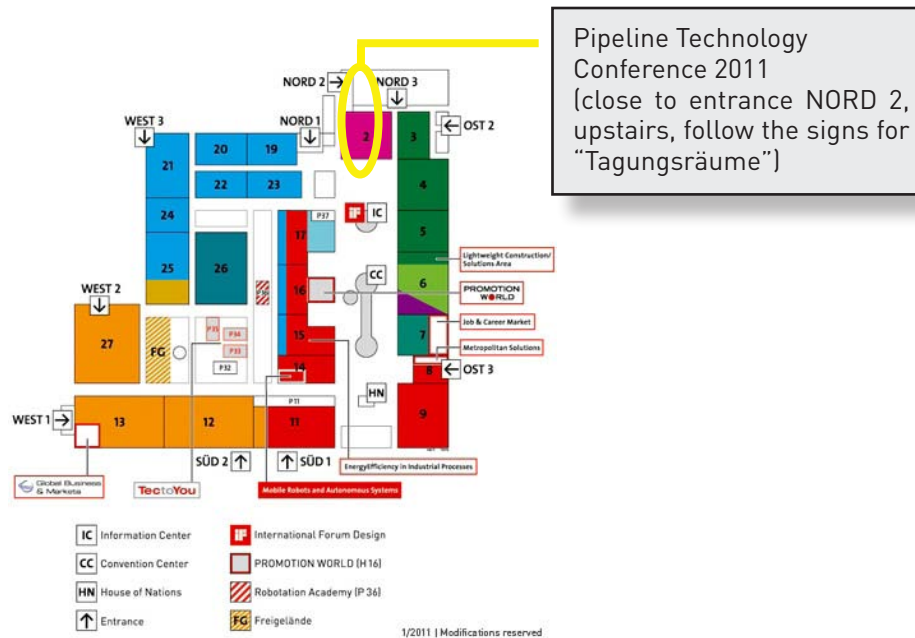
### UPDATES

Please visit [www.pipeline-conference.com](http://www.pipeline-conference.com) for latest updates to the conference program and the accompanying exhibition.



## HANNOVER MESSE FAIRGROUND

The 6th Pipeline Technology Conference 2011 is part of HANNOVER MESSE 2011 - the world's leading showcase for industrial technology. The Conference Venue is the conference area within Hall 2 (see following map)



### GETTING TO THE HANNOVER MESSE FAIRGROUND

#### By Train

Hannover Messe/ Laatzen Station

The Hannover Messe/Laatzen station is approximately 400 m from the WEST 1 entrance to the grounds. You can reach the grounds on foot by walking over the covered Skywalk transport system, which connects the station with the Exhibition Grounds, or by shuttle buses. During the fairs German Railway extends its schedule by special train services at station Hannover Messe/Laatzen.

#### By Public Transport

From the city centre you reach the Exhibition Grounds by tram line/U-Bahn/ suburban railway.

Tram line 8 and 18 - Entrance NORD 1 + 2

From Hannover Main Station via stations Kröpcke, Aegidientorplatz, Altenbeker Damm, Bothmerstraße

FREE LOCAL TRANSPORT with admission tickets

Your admission ticket for HANNOVER MESSE is also valid for free local transport. You may use your ticket to travel on any tram, bus or train (2nd class only) throughout the Greater Hanover (GVH) region.

#### By car (calculate with delays due to traffic jams)

From the North

Motorway A7 direction Kassel/Hannover, take the exit 55 Altwarmbüchen to motorway A37 (B3 Messe-Schnellweg) direction Hannover/Messe

From the East

Motorway A2 direction Magdeburg/Hannover/Dortmund, take the exit 47 Kreuz Hannover- Buchholz to motorway A37 (B3 Messe-Schnellweg) direction Hannover/ Messe

From the South

Motorway A7 direction Hannover/ Hamburg, take the exit 60 Dreieck Hannover-Süd to motorway A37 (B3 Messe-Schnellweg) direction Hannover/Messe

From the West

Motorway A2 direction Hannover/ Magdeburg/Berlin, take the exit 46 Hannover-Lahe to motorway A37 (B3 Messe-Schnellweg) direction Hannover/Messe





## Registration Form (Please return via fax / email)

### PARTICIPANT

Company \_\_\_\_\_

Title /First Name / Last Name \_\_\_\_\_

Position \_\_\_\_\_

Address \_\_\_\_\_

Postcode / City \_\_\_\_\_

Country \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

Please send me further information on the Accompanying Exhibition

Please send me further information on Sponsorship Opportunities

Category	Registration Fee
<input type="checkbox"/> Regular	420 Euro plus VAT
<input type="checkbox"/> Students	50 Euro plus VAT

Group packages on request

Participation fee includes:  
proceedings, lunch, beverages,  
snacks, invitation for Get-together,  
day tickets for HANNOVER MESSE

Conference Language  
English

Venue  
HANNOVER MESSE, Conference Area, Hall 2, Hannover, Germany

Entry Conditions  
Registration is not considered confirmed until payment is received in full. Registrations can be cancelled (in writing only) free of charge 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 of course send a substitute at no additional cost. The organisers reserve the right to amend the program of events if necessary.

### PAYMENT METHOD

- By bank transfer after receipt of invoice  
 By credit card  
 Visa       Mastercard       American Express

Card Number \_\_\_\_\_

Expiry Date \_\_\_\_\_

Security Code \_\_\_\_\_

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### PROCEDURE

If you are interested, we will get into contact with you to discuss the topic, date, technical conditions and overall procedure of your webinar (testing session, moderation, discussion). Our service includes technical support during the webinar and we will also record the session and the final discussion.

Once your webinar is over, we will supply you with all information, such as the number of participants, their contact details and requests. The complete playback of your webinar will be published on our website in order to attract more customers.

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You can find more information at  
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## PTC DATABASE (ALL PREVIOUS YEARS)

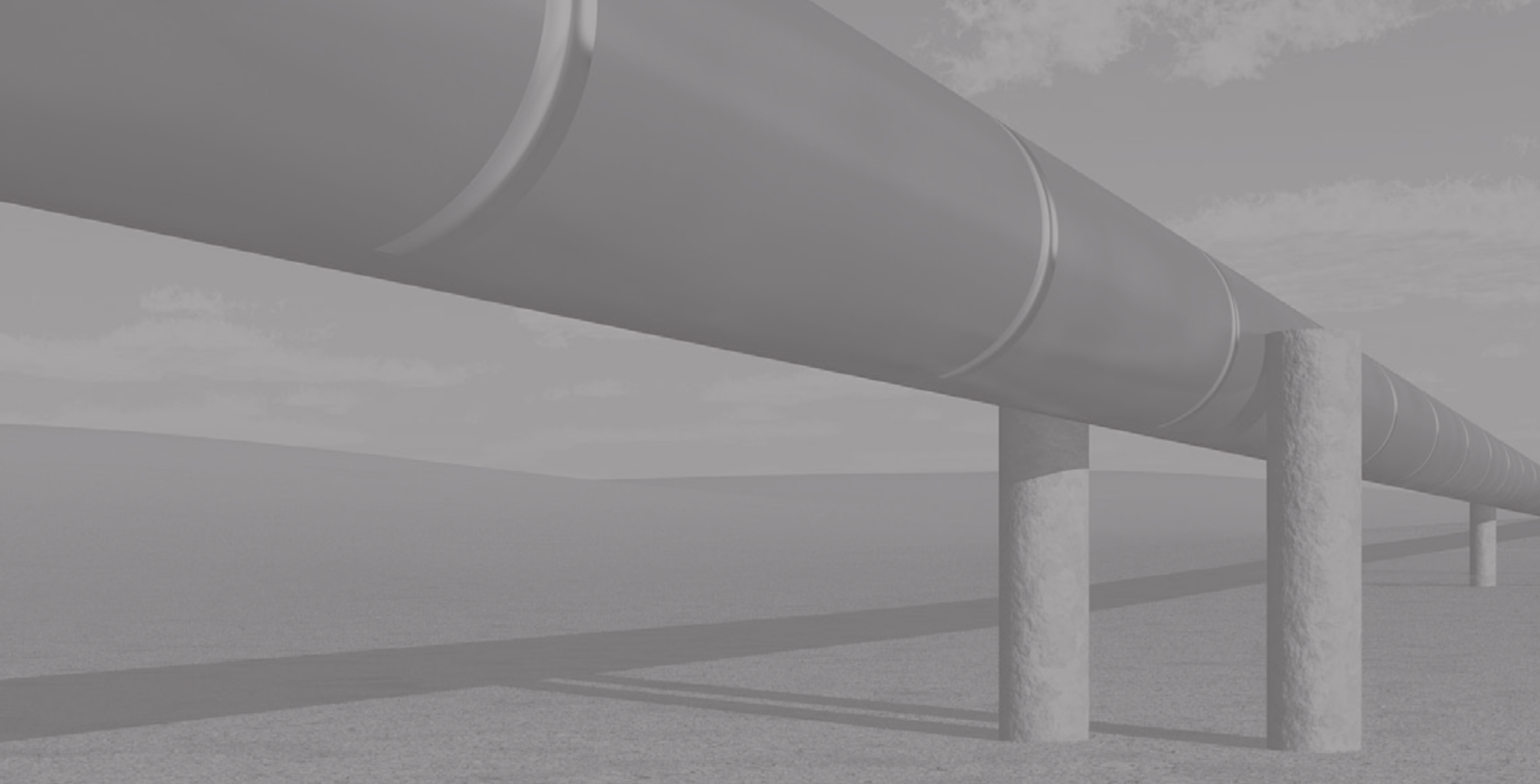
The new Pipeline Technology Conference website now features the possibility to have a look into all the past abstracts from the last 5 years of Pipeline Technology Conference. During these last years lots of interesting developments and new technologies have been discussed.

Visit our ptc abstract database and browse through all previous presentations in order to get a deeper insight into the spread of topics being covered during the past 5 years of Pipeline Technology Conference.

For further information on specific presentations/ papers there is a possibility to order a copy of that year's conference proceedings. The proceedings consists of the topic abstract, contact details as well as a CD-ROM where you can find most of the topic papers.

For more information please visit  
[www.pipeline-conference.com/abstract-database](http://www.pipeline-conference.com/abstract-database)





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