



Pipeline Technology Seminar (Cairo, Egypt)

Pipeline life-cycle extension strategies

Get a deeper insight into the success story of decades of failure-free and economic pipeline operation

14 February 2017
GACIC Office
Cairo, Arab Republic of Egypt



Your Course Director
Heinz Watzka

Former Positions:
Managing Director Technical Services, Open Grid Europe (Germany's largest pipeline operator)
Vice President Maintenance, Ruhrgas
Technical Manager, TAL Oil Pipeline
Project Engineer, ILF Consulting Engineers

a Pipeline-Pipe-Sewer-Technology event

organized by



Deutsch-Arabische
Industrie- und Handelskammer
German-Arab
Chamber of Industry and Commerce
الغرفة الألمانية العربية للصناعة والتجارة



Information

Benefits of Attending

The seminar gives detailed information about well-approved strategies for a failure-free and economic operation and maintenance of high-pressure oil, gas and water pipeline systems. Germany's largest pipeline operator Open Grid Europe and different technical experts give an insight into their experiences and new technologies in operation. Main focus topics will be:

- The pipeline life-cycle
- Pipeline integrity management systems
- Leak detection
- In-line inspection
- Repair works
- Stations & Components
- Pipeline safety

Target Group

Engineers, technicians and management staff from pipeline operators. Personnel from authorities or certification bodies involved with pipeline monitoring, inspection, integrity management and repair works. Engineering consultants in all fields of pipeline operation and maintenance.

Seminar Contact

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More information

www.pipeline-seminar.com

Language

English / Arabic

Date

14 February 2017, 9:00 - 16:30

Early bird discount

5% till 30 December 2016

Included Services

- Seminar documentation
- Catering during coffee breaks and lunch breaks
- Certificate of participation

Venue / Accommodation

21, Soliman Abaza St.,
off Jamet El Dowal El Arabia St.,
Mohandessin, Cairo, Egypt

Pricing

The registration fee is 1.100 Euro per person + VAT. Delegates from pipeline operators get a 20 % discount on the registration fee. Group packages for 3 and more participants available on request (20 % discount on full price). Discounts are not cumulative.

Entry Conditions

Registration is not considered confirmed until payment is received in full. Payment has to be made after receipt of invoice and before the seminar. 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.

About the EITEP Institute

The EITEP Euro Institute for Information and Technology Transfer emerged from the German technical and scientific associations dealing with energy and water. The EITEP Institute organises technical global conferences and exhibitions on new pipeline technologies.

About the GACIC

The German-Arab Chamber of Industry and Commerce (GACIC) was established in Egypt in 1951. Representing 3300 member companies GACIC is the largest organisation in the framework of business cooperation between Germany and the Arab world. GACIC plays a pivotal role in Egyptian and German business cooperation.

About the PPST

The Pipeline-Pipe-Sewer-Technology Conference & Exhibition (PPST), which will take place in September 2017 in Cairo, is a unique global conference devoted to the exchange of latest technologies on Pipeline-Pipe and Sewer dealing with the transportation and distribution of oil, gas and water as well as the disposal of waste water in order to expand their safe, cost effective and sustainable use.

Picture Credits

Ontras, NDT Global, Krohne Messtechnik, Open Grid Europe, Gazprom, Rosen Group



Programme

Introduction

The course director Heinz Watzka will lead you through the seminar and will share his **experience from managing oil and gas pipeline operators** in Germany/Europe. He will be supported by **different technical experts** who will provide a deeper insight into **state-of-the-art technologies in operation** and **new developments in the international pipeline market**.

The seminar starts with an overview on the managerial and technical life-cycle of a pipeline system from the very beginning to the final daily operational works taking into account the fact that some German high-pressure pipeline are now operated for more than 100 years. The following lectures provide details about state-of-the-art internal and external leak detection technologies and other specific pipeline safety measures.

The aim is to give the participants a comprehensive overview on different inline inspection technologies and well-approved solutions for the comprehensive storage, assessment and analysis of relevant data in a PIMS. The seminar closes with an overview about different repair measures taking into account both safety and economic aspects.



the life-cycle

Introduction "A Pipeline Life – From Cradle to Grave"

Safety Philosophy • Regulatory framework • Line Pipe Production • Planning / Engineering • Construction • Commissioning • Operation • Company Management • Maintenance / Repair Works • Decommissioning



new technologies in operation

Pipeline Integrity Management Systems (PIMS)

Data Alignment • Feature Assessment • Risk- / Conditions Assessment • Integrity Management Plan • Case Studies



new technologies in operation

Repair Works

Plugging and hot tapping • Pipeline evacuation – mobile Compressor • Custom-made component manufacture, welding and inspection • Case Studies



new technologies in operation

Leak Detection

Requirements and performance criteria • External leak detection systems • Internal leak detection methods • Balancing methods • Model-based leak monitoring • Non-balancing leak detection • Comparison of all methods • Emergency shut-down protocols • Case Studies



new technologies in operation

Stations and Components

(custody) metering skids, rotating equipment, main pump driver selections, utilization of Drag Reducing Agents (DRA)



new technologies in operation

Inline Inspection (ILI)

Defects in Pipelines • Pipeline Inspection • Non-Destructive Testing Technologies • Pipeline Inspection Tools • New Developments • Pipeline Inspection Procedures • Reporting • Case Studies



new technologies in operation

Pipeline Safety

Cyber Security • Cathodic corrosion protection and its additional utilization • Right-of-Way monitoring and third party interference prevention • Airborne gas leakage detection • Case Studies



Your Course Director (will lead through the whole seminar)



Heinz Watzka started his career with a study in engineering (Msc.) at the Technical University of Vienna in Austria. During his course of studies he specialized in pipeline welding and hydraulic design of pump stations for the oil industry.

From 1981 till 1986 he had a job as a work student at **ILF Consulting Engineers** in Munich. Later on he was a project engineer and manager for oil, gas and water pipeline projects in Nigeria, Turkey, Saudi Arabia, Germany, Libya etc. where he expanded his knowledge in engineering.

In 1991 he collected more experience, when he worked as a project engineer for the hydraulic optimization of the Transalpine Pipeline crude oil system in Germany, Austria and Italy. Three years later he became the Technical Manager of **Deutsche Transalpine Oelleitung (TAL)** in Munich, Germany till 2002. Concurrently he acted as a consultant for the shareholders BP and OMV in surveys for the Trans Alyeska Pipeline System in Anchorage, Alaska and PARCO Pipeline System in Karachi, Pakistan.

In 2002 he moved from the oil business to the gas business and joined **Ruhrgas** as a Senior Vice President with the responsibility for the maintenance in the South Region. 2008 he changed to be the Operation Manager for the complete gas grid in Germany.

From 2010-2013 he was acting as Member of the Board of Directors of **Open Grid Europe**, Germany's largest high pressure pipeline operator. There he was responsible for 1,000 technicians and engineers, 12,000 km of high pressure pipelines and 29 compressor stations with 1,000 MW installed power. His main focus was on innovative pipeline pigging systems, leadership in OHS systems (Occupational Health and Safety) and manpower optimization with fleet management and mobile workforce.

In addition to that, Heinz Watzka held a wide range of other mandates: President of the coordination committee and member of supervisory board of MEGAL, Member of the supervisory board of TENP, Member of the commercial and technical committee of EVG Thüringen-Sachsen, Member of the coordination committee of TGL TauernGasleitung Salzburg, Member of the board of management of DVGW, Vice President of OPMG at CON-CAWE, President of Oil Pipelines Group at DGMK, Co-Chair of the ptc - Pipeline Technology Conference.

This seminar is part of the



Pipeline - Pipe - Sewer - Technology

Conference & Exhibition on Oil, Gas, Water and Waste Water
Transportation in Africa, Middle East and South Asia

Managing the issues of infrastructure like pipelines, pipe- and sewer networks is becoming more and more difficult. Restricted funding, high investment demand, absence of technical capacity, and increasing demand due to growing populations and governmental matters challenge decision makers to "do more with less".

Here comes the necessity of the PPST conference and exhibition as an international platform dealing with the transportation and distribution of oil, gas and water as well as the disposal of waste water. It brings experts together to be in a dialogue which extends across the borders with the aim to deliver more value both in Africa, Middle East and South Asia.

ALL ABOUT PIPES

HIGH PRESSURE PIPELINE
SYSTEMS FOR OIL, GAS, WATER &
PRODUCT TRANSPORTATION

MEDIUM & LOW PRESSURE PIPE
SYSTEMS FOR WATER & GAS SUPPLY &
DISTRICT COOLING/HEATING

GRAVITY SEWER
SYSTEMS FOR WASTE WATER DISPOSAL

Cairo, Egypt
17-19 Sept. 2017

Local Partner:



Deutsch-Arabische
Industrie- und Handelskammer
German-Arab
Chamber of Industry and Commerce
الجمعية الألمانية للصناعة والتجارة



ppst@eitep.de

www.pipelinepipesewer.com



Pipeline Technology Seminar (Egypt)
Pipeline life-cycle extension strategies
14 February 2017
Registration Form

via Fax: +49 511 90992-69 or Email: pts@eitep.de

Company _____

Title / First Name / Last Name _____

Position _____

Street _____

Postcode / City / Country _____

Tel _____ Fax _____ E-Mail _____

Pipeline Operator yes no

Date _____ Signature _____

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