

Registration Deadline: 30 Sept. 2018  
(10% early-bird discount until 31 August 2018)



Pipeline Technology Seminar (Cameroon)

## Pipeline life-cycle extension strategies

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

5-7 November 2018  
Douala, Cameroon



**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 Technology Conference event

Organizer



Local Partner



# 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. The course director and various 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.

## Local Seminar Contact

Mr. Arron Singhe  
F: +237 233416348  
enquiries@afroskillsonline.com

## More information

[www.pipeline-seminar.com](http://www.pipeline-seminar.com)

## Language

English / French

## Date

5-7 November 2018, 9:00 - 16:30

## Registration Deadline

30 September 2018

## Included Services

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

## Venue / Accommodation

Hotel Pullman Douala Rabingha, Douala, Cameroon (participants are required to take care of their own reservation)

## Pricing

The registration fee is 1,800 Euro per person + VAT.

Group packages for 3 and more participants available on request (20 % discount on full price). Early-bird discount for registrations before 31 August 2018: 10% 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 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 AfroSkills

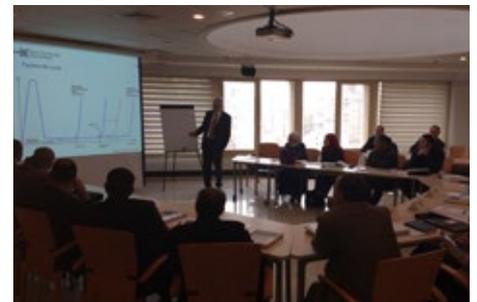
AfroSkills is a government approved training center in Cameroon. It is an outshoot of the training branch of Afro Petro & Business Solutions. We capitalize on the knowledge and experience of our experts and partners in andragogy and competency diffusion, to offer advanced and professional trainings that meet the changing needs of Oil & Gas industry's employers and entrepreneurs

## About the ptc

From 19-21 March 2019 Europe's leading conference and exhibition on pipeline systems, the Pipeline Technology Conference, will take place for the 14th time. ptc 2019 offers again opportunities for operators as well as technology and service providers to exchange latest onshore and offshore technologies and new developments supporting the energy strategies world-wide. More than 700 delegates and 80 exhibitors are expected to participate in the 14th ptc in Berlin.

## 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 **various 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)

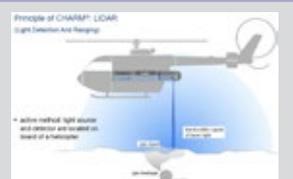
Defects in Pipelines • Pipeline Inspection • Non-Destructive Testing Technologies • Pipeline inspection tools • New developments • Pipeline inspection procedures • Reporting • Case studies



## new technologies in operation

### Pipeline Safety

Safety culture • Cyber security • Pipeline theft detection and counter measures • Cathodic corrosion protection and its additional utilization • Coating • 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 CONCAWE, President of Oil Pipelines Group at DGMK, Co-Chair of the ptc - Pipeline Technology Conference.

## Your Local Course Lead



**Dr. Ing Arron Singhe** enjoys more than 14 years of experience in Oil & Gas business in many positions in services companies, research centres, universities and industry. Those include Senior Reservoir Engineer and Production Engineer as well as Business development for International Oil Companies in Germany, Egypt and Cameroon. He holds a PhD in Petroleum Engineering from the Clausthal University of Technology in Germany and an MBA in Oil & Gas Management from the Robert Gordon University in the UK.

## Selection of Technical Experts from previous "Pipeline Technology Seminars" (providing deeper insights into state-of-the-art technologies and new developments)



ILF Consulting Engineers is a independent, fully private owned engineering and consulting company with more than 40 years of experience and ranks among the world's top engineering companies in its core areas of expertise - oil & gas, energy & climate protection, water & environment and transport & structures. 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.



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. 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.



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



KROHNE is a full-service provider for process measuring technology. For pipeline transportation networks, KROHNE offers a broad range of measurement solutions. The E-RTTM based leak detection system PipePatrol is the most sensitive internal leak detection system available, providing very fast and accurate leak detection and localisation in pipelines.



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**Pipeline life-cycle extension strategies**

**5-7 November 2018**

**Registration Form**

via Email: [enquiries@afroskillsonline.com](mailto:enquiries@afroskillsonline.com)

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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**Organizer**

EITEP - Euro Institute for Information and Technology  
 Transfer in Environmental Protection GmbH  
 Am Listholze 82 • 30177 Hannover • Germany  
 Contact: Mr. Dennis Fandrich • Tel. +49 511 90992-22 •  
[ptc@eitep.de1](mailto:ptc@eitep.de1)  
[www.pipeline-seminar.com](http://www.pipeline-seminar.com)

**Local Partner**

AfroSkills  
 5th Floor • Immeuble AZICCUL • Feu rouge Bessengue  
 • Douala • Cameroon  
 Contact: Mr. Arron Singhe • Tel. +237 233416348 •  
[enquiries@afroskillsonline.com](mailto:enquiries@afroskillsonline.com)  
[www.pipeline-seminar.com](http://www.pipeline-seminar.com)