Safety requirements for hazardous liquid and gas pipelines from June 03 to 04 2014 in Dordrecht.

First-hand knowledge

This seminar is geared towards operators, planners and engineers involved with pipelines transporting oil or natural gas as well as chemicals, refined products or any other hazardous liquids or gases.

The seminar entitled “Safety requirements to consider when planning and operating hazardous liquid and gas pipelines” will be held on both days. On the second day there will be workshops on leak detection and Custody Transfer Metering Systems. You can register for either one or both days.

The lectures throughout the seminar will provide you with an overview of safety concepts and practical methods for performing risk assessment on pipelines. Critical infrastructures also have an increasingly important position nowadays. The protection of SCADA systems against cyber-attacks plays an increasingly important role. Relevant guidelines as well as protective mechanisms will be discussed to pinpoint solutions which can be implemented.

You will also be shown a variety of methods currently being used for pipeline leak detection, how they complement each other and what options are available. These will be shown to be important considerations which should be considered, as early as the planning phase to minimise loss in the event of a leak.

The Seminar on the second day will give you an overview of Pipeline Design, available inspection technologies for the detection of leaks as well as risks and consequences. At the end a proposal of how to avoid corrosion and erosion will be provided.

These workshops have been developed to enable you to further your knowledge about pipeline leak detection and Custody Transfer Metering Systems. By using real examples, systems for new facilities or retrofits of existing systems are designed and discussed directly in the workshop giving extremely valuable and practical knowledge to the attendees. The workshops focus not only on the fundamentals but also on the exchange of information amongst participants to vastly increase the value of attendance. Please accept our invitation and register with the attached reply form or visit our website: www.krohne.nl/academy

We look forward to seeing you there.

Organisers

ILF Consulting Engineers
an independent engineering firm both in Germany and abroad that assists with challenging customer projects when it comes to successfully planning and implementing complex industrial and infrastructure facilities.

KROHNE
is one of the world’s leading designers, developers and manufacturers of innovative and reliable process measuring technology and has over 90 years of experience in providing flow, level, temperature and pressure instrumentation to all industry sectors around the globe.

NMi
is the independent specialist for testing, certification, calibration and training and offers a full range of metrology services. Manufacturers and end-users can count on the worldwide recognition of NMi test reports and certificates. NMi has agencies in Belgium, Turkey and Japan and offices in the Netherlands, Italy and UK.

NMi EuroLoop
is a world class centre of expertise and calibration services, including technological know-how in the adjacent fields of natural gas & liquid transportation and distribution.

ROSEN
is a privately owned company, serving the oil and gas industry with inspection, integrity, and rehabilitation products and services. Operating in over 100 countries, ROSEN provides the industry with advanced inspection and integrity solutions to ensure safe and economical operation of a wide range of assets and facilities.

TÜV NORD
offers a comprehensive consulting, testing and service spectrum for process control engineering, automation systems, hardware and software, especially for the energy and chemical industries.

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Agenda – Workshops, Day 2
09:08 h Welcome
09:08–10:00 h
ROSEN
Pipeline Design: Ready for inspection
In order to ensure that a pipeline can be inspected during its operational life certain aspects have to be taken into consideration at the design stage. The major design considerations and operational parameters of inspection tools will be introduced and discussed, providing clear recommendations.
10:00–10:30 h Break
10:30–11:00 h
ROSEN
Pipeline Integrity: Ensuring safe operation
After an overview of potential flaws and anomalies in pipelines, the available internal inspection techniques will be introduced for the detection, sizing and locating of geometric anomalies, metal loss, cracks and leaks. The capabilities, detection thresholds and measurement accuracies will be introduced and discussed.
11:00–12:15 h Risk and Consequences:
ROSEN
HCAs and geohazards
Operators face increasing stringent regulations regarding consequences of failure of their pipelines. As a result, the assessment of pipeline risk increasingly draws upon High Consequence Area (HCA) analyses and the probability and mitigate potential consequences. There is also increasing focus upon the identification of environmental hazards, which could affect the pipeline, potentially causing such failures.
12:15–13:00 h Lunch break
13:00–14:30 h
ROSEN
Corrosion and Erosion Protection of pipelines – nonmetallic solutions
Internal and external corrosion often poses a significant threat to steel pipelines. Nonmetallic coatings can be designed in a way that they provide corrosion as well as erosion protection. Requiring low investment as well as low operating costs. Interior erosion of steel pipelines occurs when solids are part of the stream transported. Exterior erosion occurs in situations like thrust boring or HDD. Polymeric coatings can be designed to offer corrosion and erosion protection.
14:45–16:45 h Break
16:45 h Departure, NMi EuroLoop or KROHNE Altometer

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