

JUNE 4TH - 6TH 2014, LINGEN, GERMANY
ASSURANCE - INNOVATION - SAFETY



ROSEN
ENERGY & INNOVATION
Forum 2014

ROSEN
empowered by technology

KEY DRIVERS FOR SUSTAINABLE PERFORMANCE IN THE OIL AND GAS INDUSTRY

The ROSEN Energy & Innovation Forum 2014 is an international event intended for key decision makers in the Oil and Gas industry. Keynote Address, Speakers and Panel Members of the Forum are highly reputable members of Universities, Industry Associations, Operators, Non-Governmental Organizations, Regulatory Agencies and Government Representatives. The Oil and Gas Industry has consistently focused on the safe, reliable, environmentally sound and efficient operation of all related assets.

Every day, considerable efforts are taken towards reaching the ambitious goal of zero incidents. Assurance, Innovation and Safety are key driving elements in this context. These elements will be the theme of the second biennial international ROSEN Energy & Innovation Forum taking place in Lingen, Germany from June 4th to 6th, 2014.

The Forum will encourage thought provoking discussions through active engagement and solicit outcome based recommendations. The Forum focus will include, but is not limited to, the following questions:

PANEL 1: Assurance

- What is the impact of worldwide regional differences as it relates to governmental regulations?
- What would be the benefits of a global harmonization?
- How do we deal with regional and cultural differences?
- What are the requirements to assure a safe and efficient industry?

PANEL 2: Innovation

- How can we boost innovation power?
- Is standardization blocking innovation?
- Evolution or revolution? Pros and cons of the two fundamental innovation philosophies.
- Learning by doing? Do we have a culture of learning from experience?
- Is innovation an obligation of institutions or individual companies?

PANEL 3: Safety

- What is the future role and approach of safety management?
- How to exceed requirements imposed by governmental regulations?
- Long term investment versus short term profit to assure a sustainable safety culture?

AGENDA

ROSEN ENERGY & INNOVATION FORUM 2014

Technical Workshops

Wednesday, June 4th, 2014

- 09:00** "Energy Tour":
Natural Gas Storage Facility
in Rehden **or**
"Innovation Tour":
Explore the ROSEN Site
- 12:00** Registration, Networking,
Snacks and Refreshments
- 13:00** Technical Workshops
- 14:30** Coffee and Networking
- 15:00** Technical Workshops
- 17:00** Opening of the ROSEN
Energy & Innovation Forum
Keynote Address by
Hermann Rosen,
President of the
ROSEN Group
- 17:30** Ice Breaker Event

Forum:

Assurance – Innovation – Safety
Thursday, June 5th, 2014

- 08:00** Registration, Networking,
Snacks and Refreshments
- 08:45** Welcome Address
Friedrich Hecker
CEO of the ROSEN Group
- 09:15** Keynote Address
- 10:00** Coffee and Networking
- Panel 1: Assurance**
- 10:30** Introduction and Concept
of the Panel Sessions –
Heinz Watzka
- 10:45** Panel Discussion
- 12:30** Lunch
- Panel 2: Innovation**
- 14:00** Panel Discussion
- 15:30** Coffee and Networking
- Panel 3: Safety**
- 16:00** Panel Discussion
- 17:30** Networking Reception
- 19:30** Conference Dinner
(Partners are welcome)

Live Technology Demonstrations

Friday, June 6th, 2014

- 08:30** Conference Breakfast
- 09:20** Presentation of Forum
Synopsis and Way Forward
- 10:00** Live Technology
Demonstrations
- Handheld Pipeline Scanner
EMAT IFSE Services
 - Robotic Pipeline Inspection
Self-Propelled Pipecrawlers
 - Low Flow, Low Pressure
Bi-directional Inspection
 - EMAT Ultrasonic Flowmeter
 - Products in Action
- 13:00** End of Conference
- 14:00** "Sightseeing Tour":
Explore Münster: the world's
most livable city 2007 **or**
Explore Amsterdam: the City
of Rembrandt **or**
"Innovation Tour":
Explore the ROSEN Site

TECHNICAL WORKSHOPS

Technical Workshops will be held in two parallel sessions.

Session 1

1. **Inspecting what has been**

Unpiggable before - Challenging Diagnostic in its perfection

2. **Multiphase Flow-Measurement**

- ROSEN's non-wetted EMAT Instrumentation

3. **Managing the Unknown**

- Determining Pipe Grades based on historical and new data sets

4. **Mechanical Damage, Stress Risers and Hard Spots**

- Combined Technologies enable Multiple Dataset Analysis

5. **Crack Detection in Gas Pipelines**

- ROSEN EMAT-ILI Technology

Session 2

1. **Pipeline Cleaning**

- Black Dust, Wax and other Challenges

2. **Offshore Demands on CRA Pipe**

- Established inspection technologies manage the risk

3. **Integrated Data Management and Integrity Solutions** - Applying the ROAIMS Software Suite

4. **Applying Intelligence in Plastic Solutions** - ROSEN's high resistant coatings and clever products

5. **Circumferential Cracking in High Pressure Injection Lines**

- Detection & Mitigation



ATTENDING PANEL MEMBERS/MODERATION

Following Panel Members look forward to discussing industry driving questions together with you.



Heinz Watzka
Moderator of the panel discussion
Former Managing Director
Open Grid Europe, Germany



Brenda Kenny
President of Canadian Energy Pipeline Association (CEPA), Canada



Cliff Johnson
President of Pipeline Research Council International (PRCI), USA



Robert J. Hall
Director of National Transportation Safety Board (NTSB), USA



Gerhard Knauf
President of European Pipeline Research Group (EPRG), Germany



Wei Yao
President of Petrochina, China



Thomas Hübener
Vice President of Deutscher Verein des Gas- und Wasserfaches (DVGW), Germany



David Chittick
Director Pipeline Integrity
Trans Canada, Canada



Antonio Pronsato
President Ente National Regulador del Gas (ENARGAS), Argentina



Alexey Potapov
Executive Director - First Deputy of General Manager of Zapsibtransgaz, Russia



Marcelino Guedes F. M. Gomes
Vice President
Petrobras, Brazil



Rüdiger Marquardt
Director Managing Board
DIN German Institute for Standardization, Germany



Abdulhakim Al-Gouhi
General Manager Pipelines
Saudi Aramco,
Kingdom of Saudi Arabia



MORE TO COME SOON!

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