

International Rotating Equipment Conference

Pumps and Compressors

Düsseldorf, 27th–28th September 2012

	 <p>Pump Users International Forum 2012</p>
 <p>Compressor Users International Forum 2012</p>	
	<p>EFRC EUROPEAN FORUM for RECIPROCATING COMPRESSORS EFRC Conference 2012</p>

CALL FOR PAPERS



Pump Users International Forum 2012

About the Pump Users International Forum

Based on the great tradition of nine Pump Congresses since 1973, VDMA Pumps + Systems Association will organise the next **Pump Users International Forum 2012** in Düsseldorf, Germany from **27th to 28th September 2012**. During the last forum in 2008 more than 920 participants attended about 125 technical lectures (pumps and compressors), and 85 exhibitors found customers for technical discussions in a laid-back atmosphere. It is the leading pump congress of its kind world wide.

Pumps and Systems

Treating "Pumps and Systems", the forum will be the perfect place to:

- describe your solution for unresolved questions and problems related to pump applications
- discuss the significance of pumps in respect to the energy consumption of pumping systems
- recognise that reliability and energy/cost saving is necessarily no contradiction
- present your ideas for cost savings in operating pumps and pumping systems
- introduce your new developments and technical solutions
- communicate with your supplier or customer in a relaxed setting.

What will the Pump Users International Forum offer?

The Pump Users International Forum 2012 will offer:

- about 54 technical presentations on pumps and within 3 parallel sessions
- special training seminars prior to the conference to expand technical knowledge of specific topics on pumps or comprehensive subjects, e.g. EC-Directives (to be announced)
- an accompanying technical exhibition of about 800 m².

Are you interested in presenting a technical paper?

If you would like to submit a proposal for a technical paper please return the enclosed reply form by **10th December 2011**. The appointed programme committee will decide on its acceptance.

The complete text of the accepted technical papers must be submitted by **13th April 2012**. Upon being accepted by the programme committee, the abstracts will be available at the website: www.introequipcon.com

Your paper should be easily classified and allocated to one of the categories listed for technical papers (see below). Suggestions for other subjects are welcome.

All abstracts and technical papers are to be submitted in English, the official language of the forum (presentation and discussion). All lectures are scheduled to be 30 minutes in length (20 minutes for presentation, 10 minutes for discussion).

Proposed technical papers which have been published or presented elsewhere prior to the end of the forum will not be accepted. In the event of subsequent publication a reference to the forum has to be made.

Conference registration is free of charge for the presenter of a lecture which has been accepted for presentation.

Technical papers are welcome

Pumps are everywhere – most of the time they operate in the dark and remain undiscovered. But our daily lives would not be imaginable without pumps. Hence we would like your paper to contribute to a higher consideration of pumps by

- reporting about coping with an outstanding challenge
- describing your alternative solution for a well known application
- presenting your latest developments.

We would like to give our participants answers to questions such as:

- What effort is necessary to supply a town like Alice Springs with sufficient clean drinking water?
- How does water supply on an Ocean Liner work? What are the challenges for skyscrapers?
- What are the challenges for pumps in modern urban wastewater treatment?
- Does the energy debate affect the gas and oil production?
- Product quality and energy efficiency – a contradiction for pumps?
- How do pumps contribute to the economical operation of a commercial building like a hospital or a hotel?
- How did they manage to get the concrete up the Burj Kalifah?

- How do pumps enable renewable energy solutions?
- Oil shale, coal slurry or multi-phase liquids – where are pumps tapping new resources?

We graciously request your paper dealing with any type of pump in the following applications and issues:

- oil and gas production
- refinery, chemical, process and pharmaceutical industry
- agrifoods application
- water supply, water treatment and wastewater
- cleaning and washing
- building reconstruction, cutting
- heating, cooling of buildings or in other applications
- conveying of exceptional pump liquids
- classic power generation
- geothermal energy, solar or heat pump
- auxiliary processes generating renewable energies
- components and their contribution to the energy savings: e.g. efficiency; materials or manufacturing effects
- opportunities using modern drive and control technology; field bus; early failure detection; RFID or highly sophisticated motor technology
- new cognitions on hydraulics (impeller design; cavitations), coating or surface treatment; opportunities of CFD technology
- The smart aspects of the extended product approach
- Proposals for a traceable system approach
- manufacturer/customer relation – contracting; service and maintenance; system analysis; assessment

or

- ... whatever will convince the programme committee.

Papers composed jointly by manufacturers and customers are preferred. Papers including advertising or product placement will be excluded from the application procedure.

Please send your abstracts to:

VDMA
Pumps + Systems Association
Friedrich Klütsch
Lyoner Strasse 18
60528 Frankfurt am Main

Phone +49 69 6603-1286
Fax +49 69 6603-2286
E-Mail friedrich.kluetsch@vdma.org



About the Compressor Users International Forum

For the 3rd time the VDMA Compressors, Compressed Air and Vacuum Technology Association will organise the **Compressor Users International Forum 2012** from **27th to 28th September 2012** in Düsseldorf, Germany. This Forum will offer an extraordinary opportunity for compressor and vacuum technology users, manufacturers and researchers or scientists to exchange their experiences, news and innovations about compressors, compressed air and gas/vacuum systems, as well as their applications. The **Compressor Users International Forum 2012** will be focused on process gas compressors (rotary machines), compressed air and vacuum technology.

Compressors, vacuum technology and Systems

Treating "**Compressors, compressed air, vacuum technology and related Systems**", the forum will be the perfect place to:

- describe your solution for unresolved questions and problems related to compressor and vacuum applications
- discuss the significance of compressors and vacuum machinery in respect to the energy consumption
- recognise that reliability and energy/cost saving is necessarily no contradiction
- present your ideas for cost savings in operating compressors, compressed air and vacuum systems
- introduce your new developments and technical solutions
- communicate with your supplier or customer in a relaxed setting.

What will the Compressor Users International Forum offer?

The Compressor Users International Forum 2012 will offer the following in form of parallel presentations:

- about 36 presentations in parallel sessions
- special training seminars prior to the conference to expand technical knowledge of special topics (to be announced)
- an accompanying technical exhibition of about 800 m².

Are you interested in presenting a technical paper?

If you would like to submit a proposal for a technical paper please return the enclosed reply form by no later than **10th December 2011**. The appointed programme committee will decide on its acceptance.

The complete text of the accepted technical paper must be submitted by **13th April 2012**. Upon being accepted by the programme committee, the abstracts will be available at the website: www.introequipcon.com

Your paper should be easily classified and allocated to one of the categories listed for technical papers (see below). Suggestions for other subjects are welcome.

All abstracts and technical papers are to be submitted in English, the official language of the forum (presentation and discussion). All lectures are scheduled to be 30 minutes in length (20 minutes for presentation, 10 minutes for discussion).

Proposed technical papers which have been published or presented elsewhere prior to the end of the forum will not be accepted. In the event of subsequent publication a reference to the forum has to be made.

Conference registration is free of charge for the presenter of a lecture which has been accepted for presentation.

Technical papers are welcome

We would like your paper to:

- describe experiences regarding meeting an outstanding challenge
- detail alternative solutions for a well known application
- present latest developments.

We would like to provide our visitors with answers to questions such as:

- How is energy usage – especially for compressed air – monitored and reported in companies that use compressed air? (Energy management)
- How can the heat energy from an application be put to use? (Heat recovery)
- How is the energy efficiency of numerous facilities within a company benchmarked?
- What are the advantages or disadvantages of buying a compressed air system? Are there other possibilities? (Risk sharing / guarantees for total cost of ownership)
- What challenges do compressors face in delivering biogas to the gas grid?

- What modifications to compressors are necessary in order to take advantage of (adiabatic) compressed air storage?
- What problems can arise if compressing certain gases such as H₂S in specific processes?

We graciously request your paper according to the scope and the following items:

- Technology & Research
 - System-, machine-, component design
 - Fluid Mechanics and Thermodynamics
 - Simulations & Calculations
 - Pulsations and Vibrations
 - Materials, Corrosion, Tribology and Wear
 - Acceptance and Test Methods
 - Operations
- Service and maintenance
 - Service depending on demand / Tele-service
 - Availability and Reliability
 - Overhaul & Revamping
 - Diagnostics, Monitoring and controls
- Applications
 - Engineering of Compressor Plants
 - Oil & Gas On- and Off-Shore
 - LNG / GTL, industrial gas
 - Capture and Storage – CCS and CAES
 - Refinery, Chemical, Process and Pharmaceutical Industry
 - Energy and power generation
 - Biogas and renewable energies
 - Automotive industry
 - Food Processing and Packaging industry
 - Functional safety and related standards
 - Effects by EC directives e.g. EuP/ErP directive
- Economy and sustainability
 - Lifecycle costs
 - Financing instruments
 - Compressed air vs. electricity
 - Energy management
 - System analysis

Papers composed jointly by manufacturers and customers are preferred. Papers including advertising or product placement will be excluded from the application procedure.

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EFRC

8th EFRC
Conference 2012

About the EFRC

The EFRC – European Forum for Reciprocating Compressors was founded in June 1999 as a non-profit association to support European users, manufacturers and scientists working with reciprocating compressors in terms of technology, exchange of experience, formation and promotion of standards and precompetitive research. Since then its geographical reach has grown from Central Europe to entire Europe and recently to the US. The small crowd of 8 initial members has grown to 36 in 2011. It is an essential goal of the symposium to create a forum where scientists and engineers engaged in the development of reciprocating compressors are given the opportunity to present the state of the art, to show that the reciprocating compressor has turned into a reliable machine not only being best in terms of efficiency and flexibility but also meeting the requirements of low maintenance costs and safe operation. The EFRC acts as a “forum of ideas” providing the opportunity to spread new ideas / or to carry them out. The users in their turn can take the opportunity to report on their experience with such machines and to request the industry concerned for solutions to challenging conditions.

The **8th EFRC Conference** will be held jointly with the 10th VDMA Pump Users International Forum and the 3rd VDMA Compressor Users International Forum consolidated as the International Rotating Equipment Conference in **Düsseldorf, Germany from 27th to 28th September 2012**.

Reciprocating Process Gas Compressors and Systems

Under the leading topic, “**Reciprocating Process Gas Compressors and Systems**”, the 8th EFRC Conference will once again offer an ideal opportunity for compressor operators, manufacturers, contractors, researchers and scientists to:

- exchange their experiences, news and innovations regarding compressors and their applications in the process gas industries
- present new solutions for compressor operators
- demonstrate solutions for cost savings ideas for compressor operations
- improve communication between compressor operators and manufacturers
- attend the training session prior to the conference to enhance their technical understanding of a specific compressor-related subject (to be announced).

Targeted industries

- Refinery
- Petrochemical industry
- Chemical industry
- Natural gas industry
- Industrial gases
- Power industry
- Renewable energies
- Compressor manufacturing
- Component manufacturing
- Service provision
- Engineering companies
- Contractors
- R&D organisations
- Universities

What will the EFRC offer?

As with the previous conferences, the 8th EFRC Conference 2012 will offer:

- training session for technicians and engineers covering a special topic in the afternoon of 26th September 2012
- about 36 technical lectures and discussions in parallel sessions on 27th and 28th September 2012
- accompanying technical exhibition to the conference

Submission of abstracts

Interested experts are requested to submit proposals for technical papers.

In order to classify the lectures, all submitted abstracts should be related to the topics provided in the list below. Suggestions for other subjects will also be considered. The proposed technical papers must not have been previously published or presented elsewhere. The official language of the EFRC Conference is English only. All abstracts and technical papers must be submitted in English. All presentations are to be held in English. All lectures are scheduled to be 30 minutes in length (20 minutes for presentation, 10 minutes for discussion).

Conference registration is free of charge for the presenter of a lecture which has been accepted for presentation.

Are you interested in presenting a technical paper?

If you would like to submit a proposal for a technical paper, please return the enclosed reply form by no later than **10th December 2011**. The EFRC Organising Committee will decide on the acceptance in close cooperation with the programme committee. The technical paper must be submitted by **13th April 2012**. After acceptance by the programme committee, the abstracts will be available at the conference website: www.introequipcon.com

Technical papers welcome according to the following subjects:

- Engineering of Compressor Plants
- Compressor Design
- Component Design
- Compressor Economics
- Operations
- Availability and Reliability
- Maintenance
- Overhaul & Revamping
- Diagnostics & Monitoring
- Controls
- Fluid Mechanics and Thermodynamics of Compression Cycles
- Simulations & Calculations
- Pulsations and Vibrations
- Corrosion
- Materials
- Tribology and Wear
- Acceptance and Test Methods
- Environmental Conservation
- Standards

Papers by compressor operators or jointly composed by manufacturers are preferred. Papers including advertising or product placement will be excluded from the application procedure.

Please send your abstracts to:

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International Rotating Equipment Conference

Düsseldorf, 27th–28th September 2012

3 International Forums consolidated!

The VDMA as promoter of the Pump Users International Forum and Compressor Users International Forum and the EFRC as promoter of the EFRC Conference are pleased to organise their forums jointly and simultaneously at the same location.

They compose the **International Rotating Equipment Conference** to be held in **Düsseldorf, 27th and 28th September 2012**.

The forum offers a unique opportunity to users of rotating equipment (pumps and compressors and vacuum technology). End users, manufacturers, suppliers and scientists are enabled to meet experts out of the relevant branches at a high density for discussion or expert talk. It is not a secret that matters like energy efficiency, CO₂-reduction or sustainability have generated new challenges for the industry. Legislative regulations or directives become further increasing significance for our business. Hence representatives of government bodies, administration officers will be invited to share experiences and exchange opinion with stakeholders.

The core of the conference still is generated by the great number of excellent lectures. An accompanying technical exhibition tops off the information offered.

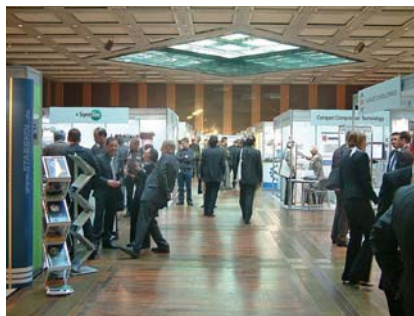
The **International Congress Centre in Düsseldorf** will be an appropriate location for this event.

Offers of the Conference

- in all approximately 125 presentations in parallel sessions
- special training seminars prior to the conference to enhance the technical understanding of a specific topic on pumps or compressors (to be announced)
- accompanying technical exhibition of about 800 m².

Time schedule for participants

Training Seminars	26 th September 2012
Lectures	27 th –28 th September 2012
Technical Exhibition	27 th –28 th September 2012



How can you contribute to the event?

If we have attracted your attention we would like you to:

- submit proposals for technical papers
- propose themes for training sessions
- confirm your interest to participate in the technical exhibition
- voice your interest in participating in the forum.

Interested in presenting a technical paper?

Please consult one of the VDMA contacts given in order to obtain the procedure.

Interested in exhibiting your product or service?

Please contact Mr. Harald Frank
Phone +49 69 6603-1293
E-Mail harald.frank@vdma.org
for detailed information.

Interested in attending the Conference?

Please contact Maschinenbau-Institut (MBI)
Phone +49 69 6603-1512
E-Mail a.kovacs-bertrand@vdma.org
for complementary information.

Summary of dates:

Abstracts for Technical Papers to be given latest: 10th December 2011

Organiser's receipt latest by: 16th December 2011

Notice of acceptance to authors: 20th January 2012

Elaborated Technical Papers to be sent latest: 13th April 2012

Programme brochure available: 30th April 2012

Promoter



German Machinery and Plant Manufacturers Association (VDMA) e. V.
Pumps + Systems Association,
Compressors, Compressed Air and Vacuum Technology Association

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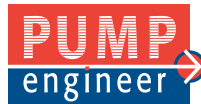
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Dr. René Peters

Organiser

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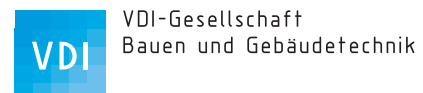
Official International Media Partner:



In collaboration with



As well as



* Media partners and collaborating associations as far as nominated by 2011-08-30

2. Technical Paper

(Lecture: 20 minutes; discussion: 10 minutes)

Subject of the paper submitted:

Referring to the following subjects (See Call for Papers): _____

Volume of abstract: 10 to 15 lines in Arial 10

Paper to be attached separately

Note: Accepted abstracts will be available at the website www.introequipcon.com (January 2012)

3. Technical Exhibition

I am / We are interested to participate as an exhibitor.

Please send information to:

Name:

Company:

Address:

E-Mail:

Phone:

4. Informal Pre-registration for Attendance

I am / We are interested to attend the conference.

Please send information to:

Name:

Company:

Address:

E-Mail:

Phone:

Place and Date

Signature and Company stamp