



International Rotating Equipment Conference 2016 – Pumps, Compressors and Vacuum Technology

**Press Conference
14 September 2016, 1:15 pm
Congress Center Düsseldorf, Room 12**

10th EFRC Conference

**Dr. René Peters
Director Gas Technology
TNO Energy, Delft, The Netherlands
rene.peters@tno.nl, +31 6 51551566**

**Chairman of the European Forum for Reciprocating Compressors EFRC, Dresden
www.recip.org**

Dear ladies and gentlemen,

As the Chairman of the European Forum for Reciprocating Compressors (EFRC), co-organizer of the International Rotating Equipment Conference in Dusseldorf, I would like to welcome you to the press conference.

First of all I would like to thank the VDMA for their excellent organization of this conference, and the good collaboration to make this event again a big success.

On behalf of EFRC, I would like to bring a few messages across:

1. The 10th EFRC conference is held now for the third time in conjunction with the Pump Users International Forum and the Compressor Users International Forum. We are convinced that this adds additional value to the participants, since the international rotating equipment conference now offers an overview of innovation and recent developments in rotating equipment in one gathering. EFRC is expecting this conference to develop as a true European conference on rotating equipment in the future.
2. The reciprocating compressor, although being a classical machine, is still developing to improve its performance and reduce maintenance requirements. The members of EFRC are collaborating in precompetitive research to realize this, in collaboration with end users and knowledge institutes all over Europe. In this way the reciprocating compressor manages to position itself strongly in key application areas such as the in the natural gas transport and storage sector and the petrochemical sector. Also in new sectors related to renewable energy the reciprocating compressor will play a key role, p.e. biogas compression and H2 transport.
3. The EFRC organization is steadily growing and strengthened itself with key end users such as Total, Shell, BASF and RWE. In 2016, Sauer Compressors has registered as the 45th member of the organization. EFRC has developed a vision to improve its added value to the members and the sector in Europe by developing engineering guidelines and standards. In 2016, a new guideline is released to avoid liquids in reciprocating compressors and will be used by both operators, engineering contractors and suppliers to improve the reliability of the machine.

First of all I would like to introduce myself to you. Since 2011 I am chairman of the EFRC, succeeding Siegmund Cierniak of RWE and Professor Will of TU Dresden who have both served successfully as a chairman of the EFRC for 6 years each. I am proud to lead the organization, which with 45 members from 12 countries is in a better shape than it has even been. My current responsibility is director of gas technology in TNO in The Netherlands, which is a research organization covering various sectors, among which the energy, chemical and oil and gas sector. Innovation is key to realize progress in operational performance, industrial safety and environmental impact related to reciprocating compressors.

Together with my board members Peter Steinrück of Hoerbiger and Matthias Tanner of Burckhardt Compression, we are realizing the vision for the EFRC organization of which a few highlights I would like to share with you.

The EFRC is an organization of 45 members within the reciprocating compressor community all over Europe. We have currently members of OEM's, end-users, component suppliers and knowledge institutes. Recently end-user Total and NAM have joined, and in 2016 Sauer Compressors from Germany is accepted as the latest member. This makes the EFRC the leading organization for reciprocating compressors in Europe. The EFRC stimulates knowledge and experience exchange between manufacturers and users of reciprocating compressors. It stimulates collaborative innovation in a pre-competitive manner with the sector. EFRC also develops its own guidelines for the industry, such as the EFRC vibration guideline which is increasingly being used globally by the end users and is now being transferred into a new ISO standard (ISO 10816-8). EFRC supports the development of standards such as API 618, RP688 and ISO 16808. Also young engineers are stimulated to work in the sector, by offering training and workshops and site visits.

In our vision, the EFRC is a true European organization, representing the complete sector and should be of interest for all stakeholders of reciprocating compressors.

The 10th EFRC conference, this year part of the International Rotating Equipment Conference, is an important means to realize the ambitions of the EFRC organization.

- 36 high quality papers are being presented by authors for operators, suppliers and knowledge institutes on innovation in reciprocating compressor design and operation.
- Results of EFRC R&D projects are presented, for example on innovative composite materials for lightweight compressor pistons by Wentzel Dynamics and TNO, and novel valve design for piston machines for combined expansion and compression operation by TU Dresden
- The EFRC student award for the student with the best solution for a technical exercise stated at a student workshop in Germany and Austria has been won by Jacub Kniat form Poland. The price is a free participation at the one-week GE Oil and Gas Compressor Training in Florence Italy. The 9th student workshop of 2016 in Germany and Austria has been attended by 25 students from all over Europe and proves a big success to attract young engineers to the compressor business. We are proud to announce that all previous winners of the Student workshops have found a job in the reciprocating compressor sector.
- The compressor workshop on Lubrication and Wear on Tuesday afternoon was attended by over 40 participants in advance to the conference, among which many young engineers from end users. This workshop is held in conjunction with the

conference now for the 7th time, and always well valued by the participants. EFRC has decided to intensify the training activities for their members and the industry as a result of the increased interest in training and knowledge transfer.

- Best papers selected on the basis of the quality of the paper and the presentation at the conference will be awarded at the end of the conference.

I hope I have convinced you that both the EFRC organization and the reciprocating compressor are in a better shape than ever before and the strong international participation of this conference confirms this.

Furthermore I would like to announce that the next EFRC conference will be held in Madrid on 20 and 21 September 2018.

I would like to thank you for your attention.