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EFRC Young Talents Working Group



YOUNG TALENTS

WWW.RECIP.ORG

Who we are

The EFRC Organisation

The European Forum for Reciprocating Compressors was founded in June 1999 as a non-profit-association. It supports users, manufacturers and scientists working with reciprocating compressors in terms of technology, exchange of experience, initiation and collaboration on precompetitive research, standards and guidelines, training and student exchange.

Its geographical reach has grown from Central Europe to entire Europe and to the US and from 8 initial members to 42 in 2018.

Our Goals

Exchange of Information and Experience

- Conferences (EFRC and IREC (with VDMA))
- Cooperation with KRMEA (South Korea)
- Internet (www.recip.org) & LinkedIn
- Workshops + Trainings

Improve image of reciprocating compressors

- Student Workshops and Excursions
- Standardisation and Guidelines (→ ISO-Standards)

Perform joint research

- Precompetitive R&D
- Aiming to improve the performance of the recip

Working Groups

- Goals of EFRC supported by activities of four working groups:
 - Precompetitive Research
 - Standardisation
 - Training
 - Young Talents (Students Workshop)

Each working group is presided over by a chairperson and is open for every EFRC member willing to participate. The EFRC membership fees help to finance the activities of the working groups. Results are presented at members' assemblies and EFRC conferences.

The Young Talents Working Group / EFRC Student Workshop

Our aims

- Introduce students to the reciprocating compressor industry
- Give them theoretical knowledge and practical experience in the field
- Gain well trained and motivated university graduates for the industry
- Consolidate cooperation between industry and educational institutions

Our Actions

EFRC Student Workshop

Every second year we organise a **4-day student excursion** with a usual group size of 25 students. Therefor we provide a good mix of theory and hands on experience by having lectures on fluid mechanics, thermodynamics and the basics of design of the reciprocating compressors and their components.



The hands-on part includes field trips to reciprocating compressor original equipment manufacturers (OEM), to component manufacturers and last but not least the users of the equipment, customers in the oil and gas industry. Typically process gas, natural gas and chemical plant end-users are visited and the students get a chance to understand the role of the reciprocating compressor in those plants and see it in action.



The EFRC Students Excursion took place for the first time in the year 2000 in Germany. Since then the following companies have been visited, et al:

- HOERBIGER, AT
- Shell Refinery, NL, DE
- TOTAL, FR
- GE Nuovo Pignone, IT
- Atlas Copco, FR
- Burckhardt Compression, CH
- Neuman & Esser, DE
- Rothaus Brewery, DE



Chairperson: Konrad Klotsche

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