



Kennisnetwerken

Scheidingstechnologie, procesintensificatie, warmtewisselaars, drogen en computerondersteund procesontwerp

Netherlands Advanced Heat Exchanger Network (NLAHX)

The Netherlands Advanced Heat Exchanger Network (NLAHX) aims to further the innovative development and use of advanced heat exchangers, including the improvement of existing heat exchangers, in order to improve heat transfer in processes. This should lead to greater process efficiency, energy savings, more sustainable processes and competitive advantage. The network tries to achieve this aim by generating, sharing and transferring knowledge through collaboration with companies (users as well as suppliers), centres of expertise, consultancy agencies and contractors.

Members

NLAHX was founded in 1990 by users of advanced heat exchangers, consultancy agencies, contractors, suppliers and centres of expertise. The network has about 40 members. Its Chairman is Mr Bert Boxma. Membership is free and is open to experts and interested parties from the process industry, relevant engineering and consultancy agencies, centres of expertise, university researchers, contractors and suppliers of heat exchangers.

NLAHX activities

- Three times a year, NLAHX organises a one-day meeting, featuring presentations by national and international experts, networking opportunities and sometimes company visits.
- NLAHX sets up and maintains the heat exchanger information file, which provides information on knowledge networks, R&D institutes, suppliers and fitters of heat exchangers, as well as technical information (experiences with projects, best practices, standards and norms), upcoming events, information desk and subsidy schemes; there is also a members-only section (see www.senternovem.nl/technology).
- Specific problem areas are addressed by projects implemented by task forces consisting of network members. Examples of such projects include the development a selection method for heat exchangers and models of fouling in heat exchangers. Current projects are addressing

vibration analysis in shell-and-tube heat exchangers and methods for Total Life Cycle Analysis.

- The network maintains contacts with heat exchanger organisations and networks in other countries, such as HTFS, HTRI, ESDU and Greth.
- Initiated by NLAHX Chairman Bert Boxma, Technotrans is offering two types of training courses on heat exchangers, one beginners course and one advanced course. Both focus on practical in-company problems with heat exchangers. They offer an overview of the various types of heat exchanger on the market today, and discuss practical aspects of selection criteria, design calculations (HTRI simulations) and maintenance and cleaning methods.

Support by SenterNovem

SenterNovem supports five knowledge networks within the framework of its second Long-Term Agreements (LTA 2) programme. In addition to NLAXH, these include the networks on process intensification (PIN-NL), separation technologies (NL-GUTS), drying processes (NWGD) and computer-aided process engineering (CAPE). Further information on these networks is available at www.senternovem.nl/technology. LTA 2 is a programme of the Dutch Ministry of Economic Affairs and the Ministry of Agriculture, Nature and Food Quality.

Further Information

For further information on the NLAXH knowledge network, please consult the information file at www.senternovem.nl/technology, or contact the network Chairman or SenterNovem (for details see below).

NLAXH Chairman

Heat Transfer ABC
Attn. Mr Bert Boxma
Snipstraat 10
NL-2352 ES LEIDERDORP
The Netherlands
Phone +31 (0)6-51921969
e-mail bertboxma@cs.com
URL www.heattransferabc.nl

Contact person at SenterNovem:

Ms Meike Kerkhoffs
Catharijnesingel 59
PO Box 8242
NL-3503 RE Utrecht
Phone +31 (0)30 2393474
e-mail m.kerkhoffs@senternovem.nl
URL www.senternovem.nl/technology

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SenterNovem ondersteunt vanuit de Meerjarenafspraken energie-efficiency (MIA2) en het programma Milieu & Technologie (PromT) de kennisnetwerken.

SenterNovem
Postbus 8242
3503 RE Utrecht
Telefoon 030 239 36 40
kennisnetwerken@senternovem.nl
www.senternovem.nl/technology

in opdracht van



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