

# NOWUM-Energy Research and Service

Energy is valuable and must therefore be utilised with careful consideration. NOWUM-Energy scientists research the possibilities of a safe, sustainable and efficient energy production and supply.

The research areas of the institute range from energy system- and environmental process engineering to climate protection and bioenergy. The international team under the management of Prof. Dr.-Ing. Isabel Kuperjans consists of engineers and student assistants from different fields. The funding of the Institute is mostly provided by third party fundraising.

NOWUM-Energy does not consider itself just a research facility, but a service provider as well. It offers feasibility studies and expert opinions on new products and methods, simulations and economic viability calculations for alternative energy supply concepts, maintenance and monitoring of biogas plants as well as simulations of flow and heat transfer processes. Moreover, the NOWUM-Energy scientists advise businesses, cities and municipalities, industrial estates, utility companies and research facilities on the economical usage of conventional and innovative energy technologies.

## Contact

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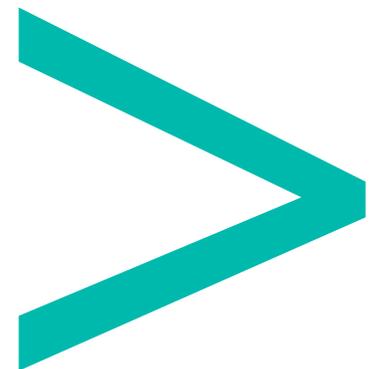
# NOWUM-Energy Institute >EnergyEfficiency Networks



**HAW**tech  
HochschulAllianz für  
Angewandte Wissenschaften



**FH AACHEN**  
UNIVERSITY OF APPLIED SCIENCES



## How To Save Energy

Energy efficiency measures do not just save the environment. Confronting rising energy prices, they also increase the companies' profits through the reduction of energy costs. More and more entrepreneurs therefore ask themselves how they can utilise energy in the most efficient way and where they can save energy.

A lot of entrepreneurs do not really know where and with help of which measures energy and money can be saved in a reasonable manner. Others may have already identified their energy savings potentials, yet do not implement the necessary measures consistently.

The reason: As a rule, conventional analyses of energy use are conducted only once. The businesses are on their own when it comes to the implementation of the measures. They have to acquire the necessary know-how themselves and make investigations into possible planners, manufacturers and suppliers. This takes time and money, and a lot of staff members feel unsure about it, since they lack the experience and an exchange of information.



## The Network for Energy Savers

In order to support businesses with their efforts to save energy, the NOWUM-Energy Institute of the FH Aachen founded the EnergyEfficiency Network in the Aachen Region in 2011. The network's objective is to identify economical energy savings potentials, implement measures and offer a platform for ongoing communication to its members.

First, NOWUM-Energy draws up a thorough energy use analysis for its network members which will reveal their full energy savings potentials. Three or four times a year, NOWUM-Energy organises moderated meetings including lectures on various topics, as well as an exchange of experiences between the network partners. In between these meetings, NOWUM-Energy engineers support their project partners when it comes to questions and problems.

## Sharing Experiences – Using Synergies

With the EnergyEfficiency Network, the NOWUM-Energy Institute contributes to businesses being able to produce in a cost-efficient manner for the long term and save resources at the same time.

The participants constantly exchange ideas on new energy-saving measures and implementation problems. Through this exchange, they can apply the network partners' experiences to their own projects and, subsequently, reduce costs and sources of error during technical implementation.

Membership in the EnergyEfficiency Network also includes an annual monitoring of the implemented measures. Participants get verified results for their reporting obligations as well as for their public image. Regular expert lectures on relevant technology topics offer participants the opportunity to stay technically up to date.

## Become Part of the Network!



Do your annual energy costs add up to 150,000 EURO or more? Then you can benefit from a membership in the EnergyEfficiency Network. In addition to the Aachen Network, NOWUM-Energy is now in the process of founding another network in the Heinsberg/Düren/Jülich Region. Please contact us!