

- How to deal with the required grid extension?
- How will renewables be integrated in the future grid?
- How to shape the future electricity market design?
- How to store the overage of renewables?
- How to integrate demandside-management and Smart Grid systems?

WIND ENERGY SOLAR POWER BIOENERGY MOBILITY / ELECTRICITY STORAGE
ENERGY MANAGEMENT FINANCING AND CONSULTING RESEARCH EDUCATION
AND QUALIFICATION



EUROPÄISCHE UNION
Europäischer Fonds für
regionale Entwicklung



Europa fördert
Niedersachsen

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Shaping the Future with Energy

Oldenburg Energiecluster OLEC e.V. is a network of companies and research centres in the north-west of Germany. The region is among the country's leading locations in the energy industry.

The network comprises around 50 small and large companies as well as institutes of higher education, research institutes and municipalities that all have extensive know-how and interest in the energy industry, with a focus on renewables. Within the OLEC organisation, we carry out interdisciplinary work and research in all areas of future energies. Furthermore, our activities cover education and qualification in the energy sector. Strengthened by some internationally leading members, we stand for more efficient energy utilisation, and the development of technologies for a more sustainable future.

OLEC strives to develop as a platform for all questions regarding the German energy turnaround and transition. The network is the sole interdisciplinary and trans-technology energy network in northern Germany.

FIELDS OF RESEARCH AND ACTIVITIES

OLEC is characterised by its interdisciplinary work and research and covers all areas of future energies. In addition the network is active in the field of education and qualification within the renewable sector.

Our Competences range over:

- wind energy
- solar power
- bioenergy
- mobility / electricity storage
- energy management
- financing and consulting
- research
- education and qualification

Innovation Network in the Northwest

The OLEC members, amongst them some international leading players, are involved in different research activities and innovative projects. Within the network smaller and bigger partners are working together hand in hand. Thereby the network connects the different actors and competences. OLEC is characterised by masterminds whose knowledge is sought after on a national and international level.

WELL CONNECTED

OLEC is embedded in a national and international network, cooperating with other networks in Germany, the Netherlands and

China. Moreover the cluster uses the international connections of the city of Oldenburg and the local universities.