



Cluster Decarbonisation in Industries CDI

www.cluster-dekarbonisierung.de/en

Together for a climate-friendly future

The Cluster Decarbonisation in Industries CDI aims to contribute solutions for achieving net-zero manufacturing and, thus, to support the German government's target of becoming climate neutral by 2045. It was established in 2021 in Cottbus, the city located in the heart of Lusatia – the East-German region in transition.

The Cluster's initiators comprise four renowned institutions based in Cottbus:

- Brandenburg University of Technology Cottbus-Senftenberg (BTU)
- Fraunhofer Research Institution for Energy Infrastructures and Geothermal Systems (IEG)
- Institute of Low-Carbon Industrial Processes at the German Aerospace Centre (DLR)
- Competence Centre on Climate Change Mitigation in Energy-Intensive Industries (KEI)



Cottbus, Lusatia

Technology and knowledge transfer

By bringing together stakeholders from research and industry in interdisciplinary participatory formats, the Cluster facilitates the exchange of knowledge and technologies. With the initiation of collaborative projects, the cluster identifies innovation potentials and promotes the development and implementation of effective solutions for the decarbonisation of energy-intensive industries.

Get in touch

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Partnering for a decarbonised industrial world

More than **60 partners** from different areas of energy intensive sectors – ranging from chemistry, energy, glass, lime, ceramics, non-ferrous metals, paper, pulp, steel and cement – reflect the variety of businesses and research institutions that are engaged in the development and implementation of decarbonisation processes.

CDI's international activities include:

- Strengthening the international visibility of the topic area of decarbonisation
- Establishing relationships with international clusters, businesses and research partners
- Exploring and facilitating access to new markets and global value chains
- Identifying global trends in decarbonisation solutions and policies

Our portfolio of topics



Energy and CO₂ infrastructure

Together with the CDI partners, we develop solutions for the efficient use of renewable energies.



Technologies for the decarbonisation of industrial production processes

We look at innovative future technologies and alternative production processes for a successful industrial change.



Green markets

We collaborate to identify needs and concrete steps to establish so-called „green markets“ for the industry.



Societal and regulatory aspects

We also address the societal aspects of industrial transformation. This comprises the availability of a qualified workforce as well as the promotion of acceptance among the population.

CDI in a nutshell

Numbers of partners

60+

Based in

Cottbus, GER

Established

November 2021

From all over Germany

Cross-industry partners



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