Extract from the Annual Report 2023
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From research

Energy hub – Transformation of the Wilhelmshaven region

Transformation WHV

Energy imports into Germany covered around 74 percent of the country's primary energy consumption in 2019 and are dominated by fossil fuels such as hard coal. As a result of the energy transition, the seaport location of Wilhelmshaven will have to undergo a transformation process in record time, thereby developing into a hub for low-carbon and renewable energy sources such as hydrogen (energy hub).

The Fraunhofer IST is supporting this process as a scientific partner through its expertise in the field of energy storage and systems.

Along the value chain, fields of action in the energy industry and energy system transformation as well as related fields of technology are identified, analyzed and incorporated into the transformation process.

The transfer of innovative, climate-friendly technologies is crucial for a sustainable industrial society. Through the promotion and strengthening of the regional energy sector, the industry is provided with support and the quality of life – both within and beyond the region – is sustainably improved.

The project

Transformation Wilhelmshaven – Technologische und strategische Handlungsfelder für die Region Wilhelmshaven (Technological and strategic fields of action for the Wilhelmshaven region)

Duration

2023 to 2026

Project partner

- Jade University of Applied Sciences

Funding body

German Federal Office for Economic Affairs and Export Control (BAFA)

First oil and coal, and soon hydrogen: Wilhelmshaven – the only deep-sea port in Germany – will undergo a transformation process in order to enable the import of climate-friendly energy sources.

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