

FRAUNHOFER USA CENTER FOR ENERGY INNOVATION CEI

INNOVATION PARTNERSHIP BUILDING AT UCONN TECH PARK



About

The Fraunhofer Center for Energy Innovation (CEI) research organization is dedicated to applied research in membrane technology. The CEI is part of Fraunhofer USA, Inc., a 501 (c) (3) not-for-profit organization that aims to close the innovation gap from the lab to the market and develop and validate technologies for industrial innovation in the United States. The CEI is closely affiliated with the Fraunhofer Institute for Ceramic Technologies and Systems (IKTS) in Germany and is financially supported by the Fraunhofer-Gesellschaft in Germany and the Connecticut Department of Community and Economic Development (DECD). The CEI's focus on membrane technology allows it to provide R&D services across numerous industrial sectors.

Areas of Expertise

- Polymeric Membranes
- Ceramic Membranes
- Energy efficient water treatment
- Power-to-gas processes
- Biogas purification processes
- Solid oxide fuel cells
- Flow Batteries
- Electrolyzers
- Combined heat and power processes
- Liquid biofuels processing and dewatering
- Organic solvent nanofiltration

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Center Characteristics

The CEI is focusing its efforts specifically on membrane technology for energy efficiency and production. The CEI is equipped with state of the art equipment designed to test membrane performance in a variety of applications over a range of conditions. In particular, the CEI has testing capabilities for water filtration, organic solvent filtration, vapor permeation, and gas permeation. The CEI also has access to IKTS membrane technology, including the world renowned Inopor® membrane, for evaluation in industrial applications. The partnership between the CEI and IKTS provides CEI's clients with access to a team of membrane and ceramics experts in Germany as well as state-of-the-art membrane fabrication equipment.

Contact

CEI

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Innovation Partnership Building

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