Infrastructure

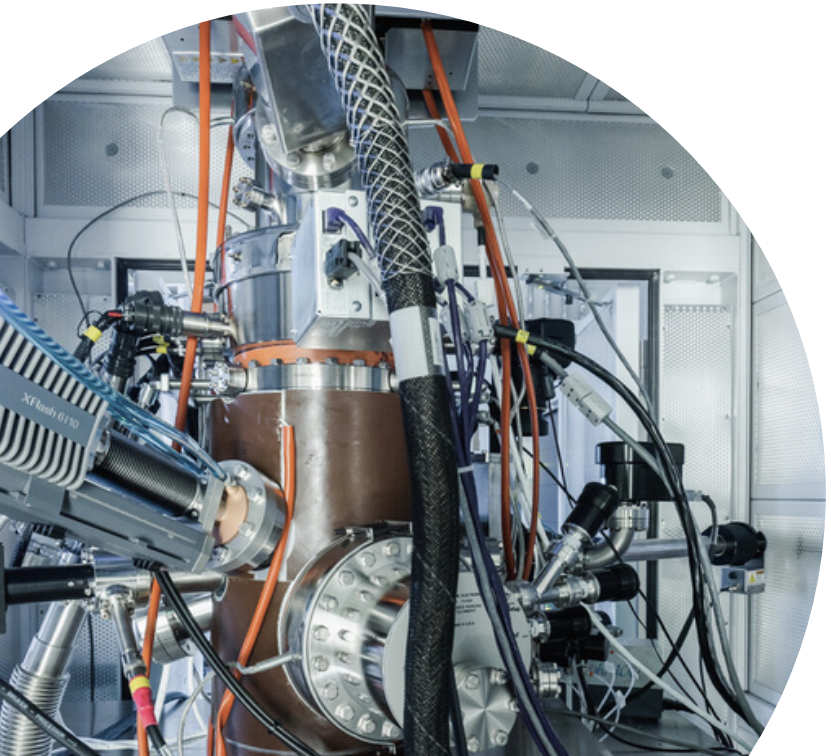
NETZ
NANO
ENERGIE
TECHNIK
ZENTRUM

Since 2013, the unique research building NETZ has been offering excellent research conditions with 4,000 m^2 of lab space and offices, funded with €45 million. Physicists, chemists and engineers research new materials for energy applications and develop scalable processes for their production and processing.

ICAN

INTERDISCIPLINARY
CENTER FOR
ANALYTICS
ON THE
NANOSCALE

ICAN, which is supported as a Core Facility by the DFG, provides a wide range of metrology including aberration-corrected TEM, XPS, AFM/SPM, TOF-SIMS, and scanning Auger microscopy. With its expertise and complementary range of equipment is open for internal as well as external use.



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CENIDE
CENTER
FOR
NANO
INTEGRATION
DUISBURG
ESSEN

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken

Cutting-edge Materials Research and Development

Vision

The Center for Nanointegration Duisburg-Essen (CENIDE) is internationally recognized for its cutting-edge materials research and development: Integrating the fundamental understanding on the nanoscale to create new sustainable solutions for major societal challenges in the fields of energy, information technology, and health.

Mission

The researchers from more than 85 working groups in CENIDE form an interdisciplinary network of creative minds that fosters collaboration across disciplines, bridging the gap between fundamental academic research and industrial implementation.
CENIDE provides access to state-of-the-art infrastructure such as the unique research building NETZ and the ICAN. CENIDE supports the creation and management of collaborative research activities for its members and partners from academia and industry. The stimulating research environment attracts high potentials and provides students and early career researchers with an ideal basis for further development.

Research Areas

CENIDE coordinates and promotes the advancement of science in chemistry, physics, engineering, biology, and medicine with focus on: