

4th Expert Workshop on Design and Operation of Digitalized Sector-Coupled Energy Systems

Shape the future of sector
coupling and digitalization
of energy in Europe!

Save the date:
May 14-15, 2025

Venue

Hosted by OFFIS Institute for
Information Technology in
Oldenburg, Germany

Registration

The number of participants will
be limited. Details regarding the
registration process will follow
soon.

Scope

Following the great success of the previous workshops in Hamburg, Vienna and Stockholm, we aim again to bring together experts from Europe to exchange insights and create a roadmap on possible trends and research directions for design and operation of digitalization of sector-coupled energy systems and sector integration

Sector-coupling: Challenges, applications, and best practices in sector coupling and integration at both system and component levels, including pilot projects, energy communities, innovative technologies, and more

Energy Data: Leveraging potential enablers in data spaces, interoperability, regulations, and standardization for effective sector coupling

Digitalization: Digital technologies that support sector coupling and integration, such as AI, digital twins, IoT, communication systems, cloud solutions, cybersecurity, and simulations.

Flexibility: System architectures and operational strategies to enhance flexibility management, energy markets, TSO-DSO-Customer coordination, congestion management, etc.

Organization Committee:

OFFIS: Prof. Dr.-Ing. Astrid Nieße, Dr.-Ing. Jirapa Kamsamrong, Dr.-Ing. Anand Narayan
KTH: Assoc. Prof. Dr. Qianwen Xu, Prof. Lars Nordström
TUHH: Prof. Dr.-Ing. Christian Becker, Dr.-Ing. Payam Teimourzadeh Baboli
Hamburger Energienetze GmbH: Dr. Davood Babazadeh
AIT: Priv.-Doz. Dr. Thomas Strasser, Dr. Edmund Wild

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Impression from the previous 2024 workshop in Stockholm, Sweden

