Cooperation

We offer broad competence and deep know-how with respect to energy technologies. Cooperation is provided by

Contract cooperation:

- Research and development projects
- Application and demonstrators
- Feasibility studies and consulting based on simulation

Publicly funded research projects:

- On regional, national and international level
- Research and development work
- Project proposal writing and coordination activities



FRAUNHOFER INSTITUTE FOR INTEGRATED SYSTEMS AND DEVICE TECHNOLOGY

Project SEEDs





Project Goal and Overview of SEEDs

- special focus on efficient interlinking by power electronics
- Whole institute building and infrastructure of the Fraunhofer IISB serves as research and demonstration platform
- Focus is on maximum efficiency, cost effectiveness as well as on security of supply and stability of the local energy system

Research and Demonstration Platform



• Set-up and optimization of a local energy system at industrial level (for small and mediumsized companies) by utilizing and developing existing approaches and innovative techniques Coupling of various energy forms like electricity, heat, cold and hydrogen technology with

Examples for research and development activities concerning thermal and hydrogen systems



Fuel Cell System Technologies for **Exhaust Hydrogen and Diluted Hydrogen**

Characterization, system integration and dilution effects for fuel cell systems

Demonstration and modelling of advanced hydrogen storage systems based on liquid organic hydrogen carriers (LOHC)

