

BUSINESS FIELD

PLANT ENGINEERING



SUCCESSFULLY CONSTRUCT AND OPERATE INNOVATIVE TECHNOLOGY AND PRODUCTS

WE OFFER R&D services in all project phases, starting with site assessment, concept development, feasibility studies, and economic evaluation up to concept design, planning, construction, and commissioning of plants with integration at your site, and scientific monitoring.



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DEMONSTRATION PLANTS

- Development of plants from a technical scale to the operating scale
- Design, dimensioning, construction, delivery, and commissioning of plants as well as system integration on site
- Development and delivery of software for technical plant operation and control as well as plant monitoring
- Scientific support



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TECHNO-ECONOMIC STUDIES

- Analysis of specific sites, technology, and plants
- Technological evaluation
- Cost finding, analysis, and evaluation of cost structure
- Comparison of technology and benchmarking

TECHNOLOGY DEVELOPMENT AND TESTING

- Provision of experiment and test centers, e.g. for biogas and PV systems among others
- Power-to-Gas test platform with 50 kW electrolyzer
- Technology setup and integration
- Operation and testing of technology



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FEASIBILITY STUDY AND SITE ASSESSMENT

- Preliminary studies and detailed site evaluation including the clarification of various technical issues
- Concept design
- Clarification of the technical integration on site
- Technical feasibility study with cost evaluation



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Successfully construct and operate innovative technology and products



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The Fraunhofer Institute for Energy Economics and Energy System Technology IEE in Kassel researches for the national and international transformation of energy systems.

The Institute emerged from the Energy System Technology branch of Fraunhofer IWES in 2018 and was founded as Institut für Solare Energieversorgungstechnik ISET in Kassel in 1988.

WE ARE YOUR RELIABLE PARTNER FOR QUESTIONS CONCERNING

- Site evaluation, concept development, feasibility studies
- Techno-economic evaluation of plants
- Development, optimization, and implementation of plants

WE ASSIST YOUR

- Investment and strategy decisions
- Development, conception, design, construction, commissioning, and site integration of plants and demonstration plants
- Monitoring and performance tests

Our spectrum ranges from a technical scale to the operating scale up to MW range.

WE OFFER YOU

- Relevant analyses and evaluations
- Transparent independent consultancy
- Optimization of plants
- Turn-key demonstrators
- Reliable monitoring