

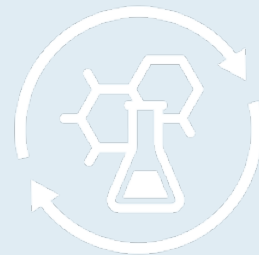
# Fraunhofer Chemistry Alliance

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**Application-oriented research and  
development partner of the chemical industry**



# AREAS OF COMPETENCE



The Fraunhofer Chemistry Alliance pools the central expertise of its member institutes in the fields of chemistry, chemical engineering and biotechnology, as well as automation, digitization and regulatory issues. Complementary collaboration is achieved with expertise at the molecular, process engineering and data levels.

All alliance institutes have many years of experience in R&D business with the chemical industry and have very good industry knowledge and networks.

## Fraunhofer Chemistry Alliance

Applied research and development to accelerate innovations for a safe and sustainable chemistry

Founded in 2021, the Fraunhofer Chemistry Alliance builds on decades of collaboration between currently 15 Fraunhofer institutes and the chemical industry. Our goal is to leverage complementary competencies and interdisciplinary synergies to support industrial customers in technology development and scaling up to develop sustainable, innovative products and processes.

With bundled Fraunhofer know-how, inventiveness and a unique infrastructure, we are a strong partner for the chemical industry on its ambitious path to defossilized and circular production processes.

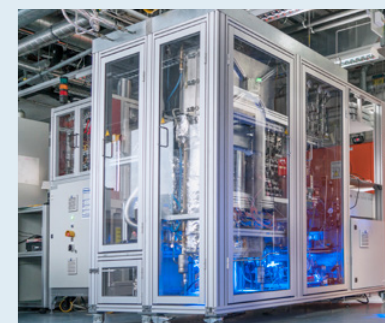
**We develop systemic solutions for a successful energy and raw materials transition and contribute to a sustainable industrial society with interdisciplinary research.**

With state-of-the-art research infrastructure from laboratory to pilot scale, our focus is on developing basic research results to a higher level of technological maturity and supporting our partners in large-scale implementation. Our own pre-developments constantly complement our R&D portfolio. The particular strength of the alliance lies in its complementary competencies and the high technical qualifications of its employees. This enables us to realize holistic solutions at system level.

Chemical and biotechnological synthesis and reaction engineering



Chemical and process engineering



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Formulation technology and materials



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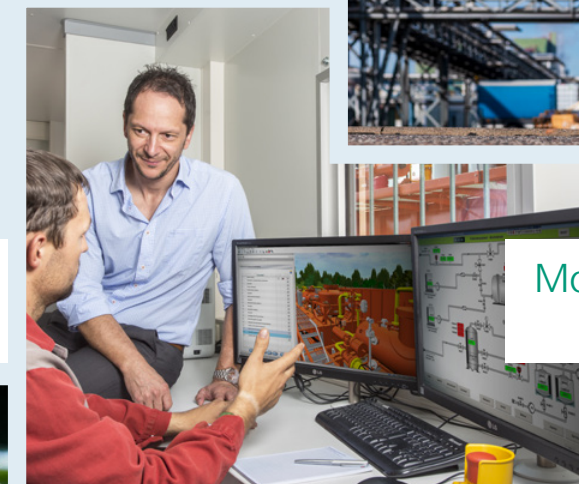
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Safety, regulation and evaluation



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Modeling, simulation and digitization



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Production systems and plant engineering



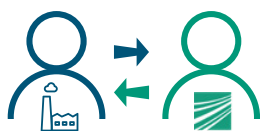
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# Your cooperation with Fraunhofer Chemistry Alliance

We offer customized research and development as well as systemic solutions based on a broad technology portfolio and expertise. We support the chemical industry equally in solving short-term tasks and in meeting its global challenges in the areas of climate protection, energy and resource efficiency.

Together with our industrial partners, we develop new cooperation formats and offer exclusive access to Fraunhofer-internal preliminary research.

## BILATERAL CONTRACT RESEARCH



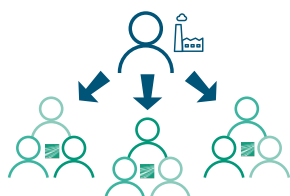
We provide support in equal measure for the **realization of new products and processes** as well as for short-term problem solutions.

## R&D JOINT PROJECTS



Multilateral R&D in joint projects, which are co-funded by **national and European research funding programs**, is another established cooperation format.

## ONE-STOP-SHOP



The Fraunhofer Chemistry Alliance offers its customers and research partners central access to the **interdisciplinary expertise** of its member institutes (one-stop-shop).

## TRL HUBS



We see ourselves as a partner to the chemical industry for **technology development** and **scaling on the way to commercialization** of products and processes.

## Contact

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