

Competence Center CHASE GmbH

CHASE is a European Research and Technology Center for Chemical Systems Engineering with its headquarters in Austria. We enable companies in the chemical process industry to make their production more energy-efficient, more resource-saving and more sustainable. In interdisciplinary and transdisciplinary partnership with renowned universities, successful companies and committed stakeholders, we support companies in the fields of chemistry, petrochemistry, gas, pharmaceuticals, plastic, food, sugar and pulp manufacturing to create products for our daily use in a more efficient and more eco-friendly way.

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Services

Sustainability through digitalization for the chemical process industry

As a COMET competence center for excellent technologies, we support our costumers with application-orientied research at an international level. By virtualizing processes, making them more flexible and transforming them in accordance with the principles of circular economy, we enable process-specific digitalization, empower sustainability and unleash a new future. We also offer contract research in the field of process analytical technologies, especially in combination with digitalization. The focus here is on chemical and biotechnological production processes.

Equipment / infrastructure

We have two laboratories at our site in Vienna. In the area of process intensification, our equipment includes various spectrometers and reactors. In addition, we have access to the laboratory infrastructure and pilot plants of the universities involved with us (JKU Linz, TU Vienna), in particular the LIT Factory of the JKU Linz.

Keywords

sustainability through digitalization, chemical process industry, chemical systems engineering, circular economy, process digitalization, process intensification, process circulation