

## THE BFI MISSION



We offer innovative ideas and translate them into customized, operational **solutions** for the process industry through **applied cutting-edge research**.



We see ourselves as a **dynamic, customer-oriented** and innovative partner for **forward-looking** companies.

We strive for partnerships and projects in the following four strategic BFI fields of action:

- Process innovation and process optimization
- Decarbonization and energy efficiency
- Digitalization, Industry 4.0, artificial intelligence and metrology
- Circular economy

Our portfolio offers **new possibilities** for the sustainable improvement of your production and manufacturing processes.

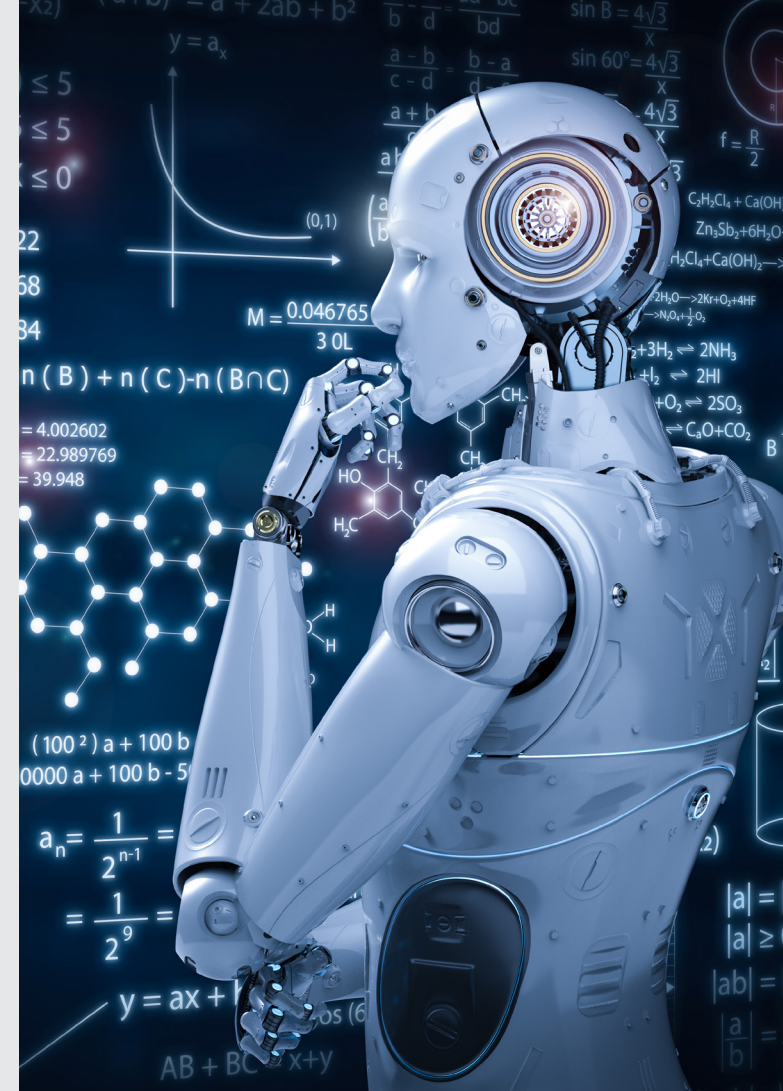
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**Operational solutions  
and innovations for  
the challenges of the  
process industry**

**Bfi**  
Excellence in  
Applied Research

# THE BFI

For more than 50 years, we have stood for innovation and applied cutting-edge research in the process industry and thus firmly at the side of the companies active in this sector.

As a legally independent and non-profit institute, we offer innovative ideas on future challenges and translate them into customized, operational solutions.

Our goal is to advance the companies of the process industry with our experience, expertise and as a dynamic innovation and R&D-partner.

In this sense, we work confidentially, flexibly and efficiently, are nationally and internationally networked and also offer support in applying for national as well as European funding programs.

## KEY TOPICS

### Process innovation and process optimization

We develop optimization potentials at operational single processes and process chains. The focus is on resource efficiency, product quality, productivity, economic efficiency and environmental aspects.

### Decarbonization and energy efficiency

Reducing energy requirements and emissions, especially CO<sub>2</sub>, are important political climate targets. Together with the steel and process industry as well as the plant engineering sector, we are working to realize these goals and thus also to secure the profitability of operations.

### Digitalization, Industry 4.0, artificial intelligence and metrology

Transferring the concepts of digitalization / Industry 4.0 into operational practice is crucial for the future viability of the industry. In addition to intelligent IT methods, we also rely on state-of-the-art measurement technology to meet your requirements.

### Circular economy

Material efficiency and recycling of solid and liquid operating materials as well as residual materials and materials form the basis for sustainable European development. Together with our partners, we are constantly developing new solutions.

## OUR SERVICES

### RESEARCH

- Contract research
- Bilateral, funded research
- Implementation of studies (e.g. on the topic of decarbonization)
- Cross-company industrial projects

### DEVELOPMENT

- Development & implementation of operational system solutions
- Identification & addressing of market entry barriers

### CONSULTING

- Innovation management & process optimization
- Technical consulting & project coordination
- R&D support
- Seminars on selected topics

### OPERATIONAL MEASUREMENTS

- Operational measurement campaigns
- Measurement campaigns at own laboratory and pilot plant facilities
- Sample measurement

### LICENSING

- BFI Shapemeter Roll
- Prototype licensing

