

## \_What we offer

- Development of specialized measurement devices
- Technology development and evaluation
- Utilization of laboratory and pilot plants
- Set-up of demonstration plants
- Simulation of complex flow processes
- Process and plant modeling
- Training in advanced measurement technology
- Development of (funded) cooperation projects
- Partner network in wastewater sector



**CLEWATEC**  
Competence Center for Clean Water Technology  
at **HZDR**

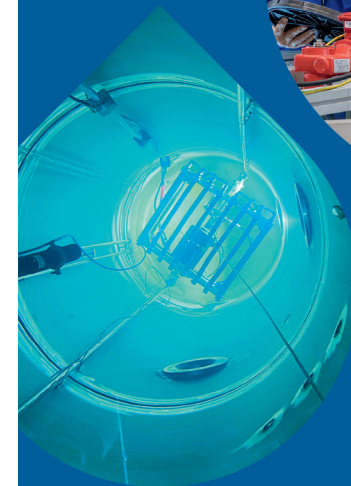
## \_Contact

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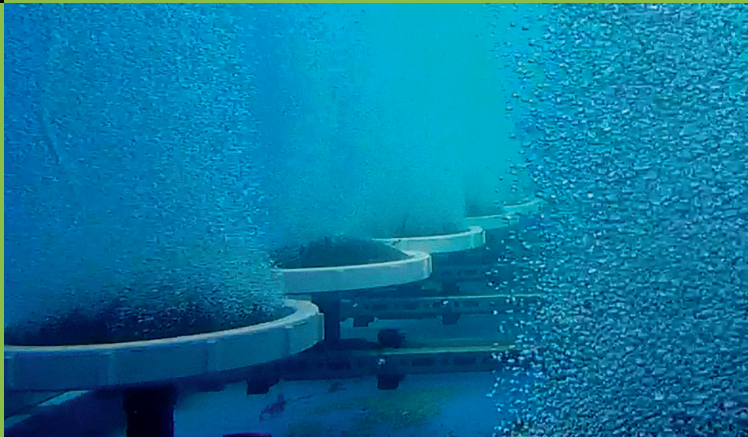
Photos: ©HZDR/O. Killig, R. Weisflog



Scientific expertise for innovative  
wastewater technologies

**CLEWATEC**  
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A Helmholtz Innovation Lab



## \_About CLEWATEC?

The Helmholtz Innovation Lab CLEWATEC explores and develops new technological approaches for a flexible and efficient wastewater treatment.

- Technology development
- System analysis and optimization
- Knowledge transfer
- Networking & project initiation
- IP exploration and commercialization



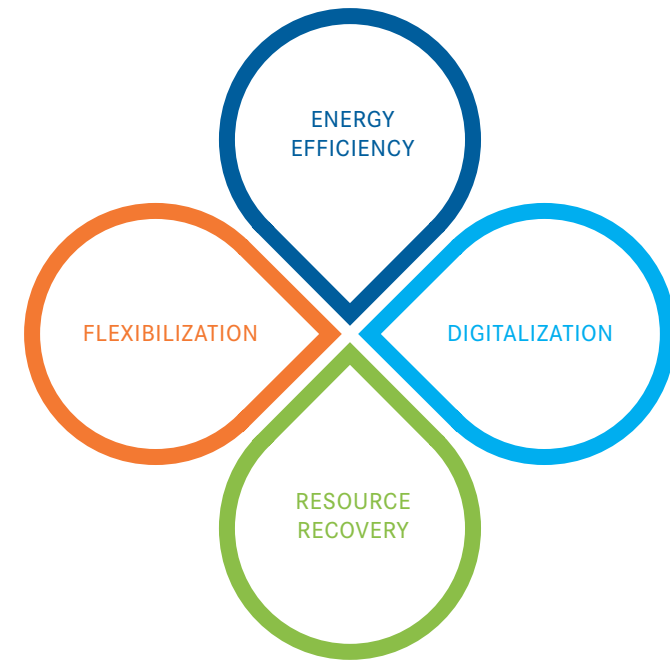
CLEWATEC has an **extensive and growing network** of renowned research and industry partners.

## \_Our network

- Contact to more than 30 institutions, including universities, research institutes, service providers and operators of municipal and industrial wastewater treatment plants
- Part of the Helmholtz Association, the largest research community in Germany
- Access to the expertise and infrastructure of Helmholtz-Zentrum Dresden-Rossendorf



## \_Our research topics



### ENERGY EFFICIENCY

Highly efficient gas injection systems with optimal control



### DIGITALIZATION

Advanced control concepts for a flexible process operation



### FLEXIBILIZATION

Demand side management for coupling with green energy sources



### RESOURCE RECOVERY

Wastewater as a resource for clean water, energy and nutrients