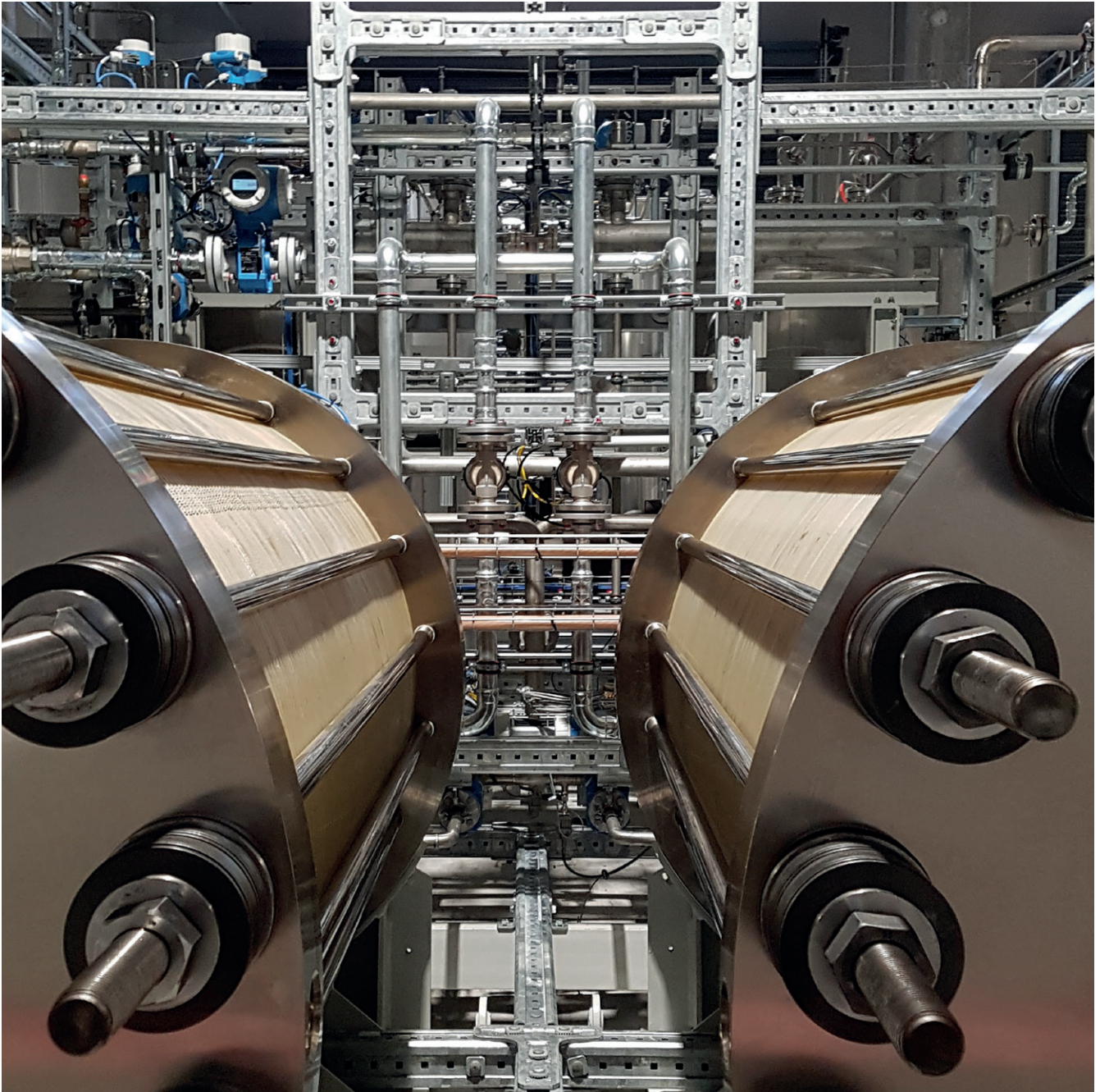


■ Industry





# Industry

## About Us

The BERNARD Gruppe is an independent engineering and consulting firm. We solve interdisciplinary tasks in our Energy, Industry, Infrastructure and Mobility Business Units.

The family business was founded in 1983. It is managed by the second generation and now employs approximately 600 people. We are focused on identifying the best technical approaches and provide our clients with innovative, cost-effective and sustainable solutions. This is our task as engineers you can trust.

## Our Services

- Feasibility studies
- Energy consulting
- Project control
- Anti-claim management
- Delivery, assembly and maintenance of our products
- Data analysis and interpretation

## Plant Construction



- Chemistry & Pharmacy
- Power Management
- Oil & Gas

Our services cover engineering for the generation, transport and storage of energy, from feasibility studies to commissioning. These include the design of plants, pipelines, trailer and filling stations, for applications in the chemical industry, power-to-X, piping and well sites for drilling rigs in oil and gas fields, and for connecting pipeline networks. In particular in the field of hydrogen technology, we have been realizing projects since 2010 and can therefore draw on many years of experience. Sustainable use of limited resources is one of the major challenges we face in our projects as engineers you can trust.

## Development



- Mechanical Engineering
- Natural Hazard Impacts
- Monitoring

We are experts in the fields of measurement and control technology, monitoring, electronics, electrical engineering, optics, opto-electronics, mechanics and physics. In addition, we are working with artificial intelligence, notably with deep learning algorithms. We realize promising projects in the fields of Smart City, Internet of Things and other Big Data applications. Our products include monitoring systems for optical and acoustic detection as well as vibration and air quality measurements. After recording and analyzing the collected data, forecasts and action plans can be created.

## Manufacturing



- BERNARD Mobility Analyser
- BERNARD Sound Analyser
- BERNARD Mobility Controller

The Mobility Analyser is an intelligent optical system for the detection and classification of road users. The system is used for traffic surveys and parking space management as well as for analyzing people movements. The Sound Analyser is an intelligent sound measurement system for acoustic recording and evaluation, e.g. of infrastructure components, and for source noise recording. The Mobility Controller is used to trigger switching requests to traffic light controllers. This means that specific road users such as pedestrians, cyclists or public transport are given priority.

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