



# Electrolysis Plants & Systems

**Expertise** in electrical engineering and automation

# We cover the entire life cycle of electrical engineering and machinery

Actemium, the brand for industrial processes, is part of the VINCI network and plays an integral part in changing the industry worldwide. Our strength is our flexible network consisting of experts from various industrial branches. Our products are highly innovative tailormade, technical independent and cross-location solutions for the entire life span of an industrial unit. We accompany and support our customers with consulting, engineering as well as the final implementation and provide long-term maintenance services.

## PROJECT LIFE CYCLE



01

### CONSULTING

Customer oriented advice



02

### ENGINEERING

Conceptual design from specific systems to global solutions.  
Basic / detail / software engineering



03

### REALISATION

Specific solutions as well as complex cross-location projects.  
Assembly, switchgear production



04

### MAINTENANCE

Long-term commitment maintenance and operation. Training & service, constant optimisation

# Our projects

## reflect our knowledge

Our team of experts offers fundamental knowledge in plant engineering in the medium-voltage range and the automation of large-scale plants, we offer the competence and reliability for developing and realizing future-oriented projects in the industry.



**CLIENT: HALLIBURTON**  
Branch of industry: Energy

## Drive solution for geothermal plant

### SCOPE OF SUPPLY AND SERVICES:

- ✦ Engineering container design
- ✦ Manufacturing container
- ✦ Pre-commissioning of all components including 20 kV feed-in
- ✦ Complete cabling and coordination of frequency converter, control and auxiliaries



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***With our expertise in frequency inverter technology, we offer customized solutions that can be transferred to many industrial applications.***

**Dr. Jörn Matschke**  
Head of Business Unit  
Actemium Fördertechnik Lausitz



# Our projects

## underline our broad spectrum



**CLIENT: K & S ZIELITZ**

Branch of industry: Logistic + mining

**Large drive solution provider  
medium/low voltage frequency converter**

### SCOPE OF SUPPLY AND SERVICES:

- ✦ Speed position with frequency converter
- ✦ Constant, quadratic, variable couple of forces
- ✦ Liquidness und rheostatic starter
- ✦ Approved partner for Rockwell and Siemens frequency converter
- ✦ 2Q/4Q- operation of frequency converter driving mechanism



Branch of industry: Energy and industry

## Container for hydrogen applications

### SCOPE OF SUPPLY AND SERVICES:

- ✦ Power supply with transformer and switch gears
- ✦ High-current rectifier
- ✦ Self supply
- ✦ Cabeling
- ✦ Communication modules
- ✦ PLC for automation and process technologies
- ✦ Visualisation of process
- ✦ Safety measures incl. video control and fences
- ✦ Design, installation and commissioning of complete plants



**CLIENT: POLLRICH GMBH**  
**ENDCUSTOMER: DILLINGER HÜTTE SAARSTAHL**  
Branch of industry: Steel industry

## Drive solution for dedusting van

### SCOPE OF SUPPLY AND SERVICES:

- ✦ Engineering container design
- ✦ Manufacturing container
- ✦ Complete cabling and coordination of frequency converter, control and auxiliaries
- ✦ Pre-commissioning of all components including 6 kV feed-in



**A global network  
of experts**



**24.400**  
Employees



**400**  
Business units



**3,6 billion**  
Euro turnover



**40**  
Countries



## **BU Fördertechnik Lausitz Actemium BEA GmbH**



**35 employees in Spremberg**  
engineers, technicians, specialists



**> 300 employees in Germany  
(labour / engineering)**  
support with employees from Bulgaria

**Feel free to contact us,  
we are looking forward to your challenge**



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