

### Uhde High Pressure Technologies GmbH

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Explore the 360° service at Uhde High Pressure Technologies

### **Engineering Services**

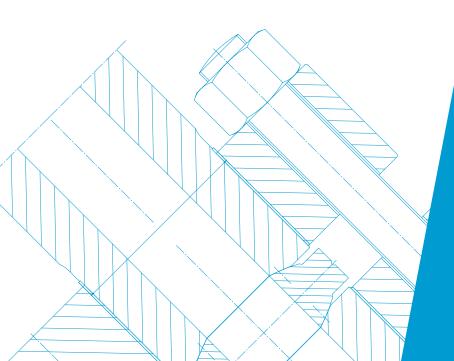
360° service in high pressure



**FNGINFFRING SFRVICES** 

# From advisory to design

We support our customers with extensive services for optimizing, modifying or expanding their systems. We review and subsequent optimize your process. From mechanical, electrical or process advisory to design and manufacturing of equipment.



## Our Services at a Glance

### **Advisory Services**

- · Capacity increase & debottlenecking
- · Design optimizations on components
- Life cycle assessment
- · Failure and root cause analysis
- Material analysis & Finite element analysis
- Vibration analysis & Stress calculation
- · Piping flexibility analysis
- Calculation of torque and tension forces
- Steel structure design and analysis
- Engineering of piping classes
- 3D scanning of plant or components
- Remote support

#### Plant improvement

- In cooperation with Partners for process and other equipment
- Sustainability and top tier in focus
- · Change of production requirements
- · Reliability of aging infrastructure
- Elimination of bad actors
- · Root to chronicle failures
- Modernize in comply with regulations
- Adapt to the state of Art technology
- · Expansion of product grade
- · Improvement of product quality
- Increasing of capacity
- Improved onstream time (service factor)
- Improvement in specific energy/utility utilization
- Emissions / environmental impact reduction
- Improving sustainability and competitiveness of operation units

### Retrofit

· Update of parts and equipment