



Engineering Services

360° service in high pressure

Uhde High Pressure Technologies GmbH

Buschmuehlenstrasse 20
58093 Germany
P: +49 2331-967- 0
uhpt-service@thyssenkrupp.com
www.uhde-hpt.com



Explore the 360° service at
Uhde High Pressure Technologies

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ENGINEERING SERVICES

From advisory to design

We support our customers with extensive services for optimizing, modifying or expanding their systems. We review and subsequently 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 chronic 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