

# Rotor repairs & refurbishments

Full industrial crusher lifecycle management



thyssenkrupp

When your rotor is due for repair or refurbishment, thyssenkrupp offers the facilities and qualified personnel to carry out the required work. thyssenkrupp crushing technology experts can assess the current condition of the rotor, can provide a report on the required scope and can offer all services of the repair and refurbishment work including disassembly and assembly, if this is required.

thyssenkrupp's crushing technology team has engineers and technicians based in Germany as well as in ten service centers worldwide. Based on long term experience, thyssenkrupp can provide a full range of services from on-site repairs to full workshop refurbishments in one of its service centers next to you.

thyssenkrupp can provide this global expertise through regional and local specialists to ensure fast and reliable support.

## Service advantages

- Global network of service centers on your doorstep
- Experienced service team
- OEM parts to guarantee quality
- Service for all kinds of rotors
- Full access to the thyssenkrupp competence center
- Combined with our Field Service team you have full peace of mind



Rotor refurbishment in thyssenkrupp service center Ennigerloh



Rotor before and after refurbishment



## Your contact:

**Tim Hücking**

[tim.huecking@thyssenkrupp.com](mailto:tim.huecking@thyssenkrupp.com)

T: +49 2525 99-4233



Revamps & outages

engineering.tomorrow.together.

# 360° Service

Service solutions throughout the entire life cycle of your plant



thyssenkrupp



## Parts & supply management

We are the experts when it comes to the supply with spare and wear parts for your plant – over the entire lifetime, at the right time and with the right quality.

### Spare parts supply

- All spare parts and components for your asset in OEM quality
- Always state of the art technology with guaranteed functionality
- Attractive frame contracts and supply agreements

### Wear parts solutions

- Development of wear parts according to your requirements
- Individual solutions in regards of quality and performance
- Innovative wear parts concepts

### Advanced parts solutions

- Engineering and manufacturing of individual spare parts
- Continuous further development of spare parts and components in order to increase the performance of your plant
- Spare and wear parts for plants genuinely not developed by thyssenkrupp



## Field & workshop services

We offer you local assistance when it comes to overhauling spare and wear parts, or when maintenance and servicing is needed.

### Technical inspections

- Forward-looking inspections of machines and components

### Repairs and field support

- Fulltime site support and advice after handover of equipment
- Fault identification and emergency repair of components
- Installation and dismantling
- Equipment adjustments and alignments

### Workshop services

- Local fabrication of spare parts
- Refurbishment and supply of thyssenkrupp and third party components

### Operator & maintenance training courses

- Customer training for all areas of thyssenkrupp portfolio
- Utilization of product experts within thyssenkrupp's global network



## Revamps & outages

Over the course of time, demands change. In order to meet these changed demands, we offer you custom-tailored revamp solutions.

### Analysis, engineering and manufacturing

- Plant status and environmental analysis and assessment
- Feasibility studies
- Basic, front-end and detail engineering
- Manufacturing of individual equipment

### Plant improvements

- Custom-tailored revamps and retrofitting solutions
- Debottlenecking through capacity extensions
- Efficiency enhancement through modernization and upgrades
- Emission reduction
- Safety and integrity upgrades
- Reliability improvement

### Revamps execution up to EPC

- Execution of complex revamp and outage projects
- Execution of EPC revamps projects
- Custom-tailored risk and profit sharing models

### Turnaround management

- Management of plant turnarounds



## Asset management

We offer you a holistic asset management approach in order to reduce the overall operating expenses of your plant.

### Consulting & audits

- Evaluation and assessment of effectiveness and efficiency
- Process mapping and gap analysis
- Derivation and supervision of improvement measures

### Technical guidance

- Implementation of improvement measures
- Technical improvement of existing machines and components
- Strategic analysis and future planning
- Improvement of processes and procedures

### Operation & maintenance contracts

- Complete or partial take-over of maintenance and/or operations activities
- One-stop operation and maintenance solutions including parts and consumables
- Custom-tailored business models focusing on a win-win situation

engineering. tomorrow. together.