

# POLDRIVE®

We check the condition of your drive system.



thyssenkrupp

For long life of your drive systems, we have developed a comprehensive preventive check-up: POLDRIVE®. Our experts regularly check the drives of your production machines. This allows you to identify possible problems at an early stage. Serious damage can therefore be averted – and maximum availability of your plant is ensured. This service is available worldwide.

Our POLDRIVE® staff are experts in the field of drive analysis, and have direct access to the cumulative know-how of thyssenkrupp.

Our program comprises visual inspections, vibration measurements, checking the dynamic and static tooth contact pattern, checking the load distribution over the tooth flanks of girth gears and pinions, detailed measurement of the temperature distribution, oil analyses, the balancing of separators and fans as well as oil analysis.

Following our work, we provide you with a comprehensive overview of the condition of your drives and give you custom-tailored recommendations for their maintenance and modernization. After consultation with you, we immediately initiate the appropriate measures.

Competent training of your employees rounds off our scope of service.

Test POLDRIVE®.

We look forward to convincing you of its benefits.



Checking the "static contact pattern" of large tooth gearing

## Service advantages

- Regular service assignments ensure early detection of damage
- Minimized risk of plant stoppages
- Longer service life of open gear drive systems
- Trouble shooting
- Increased efficiency, thanks to the use of product innovations
- Optimized spare parts inventory
- Competent training of your employees



Fig. 1: Measurements at planetary gear units with the vibration measuring device

Fig. 2: Wear inspection at the loaded flank of large tooth gearing

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Field & workshop  
services

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

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