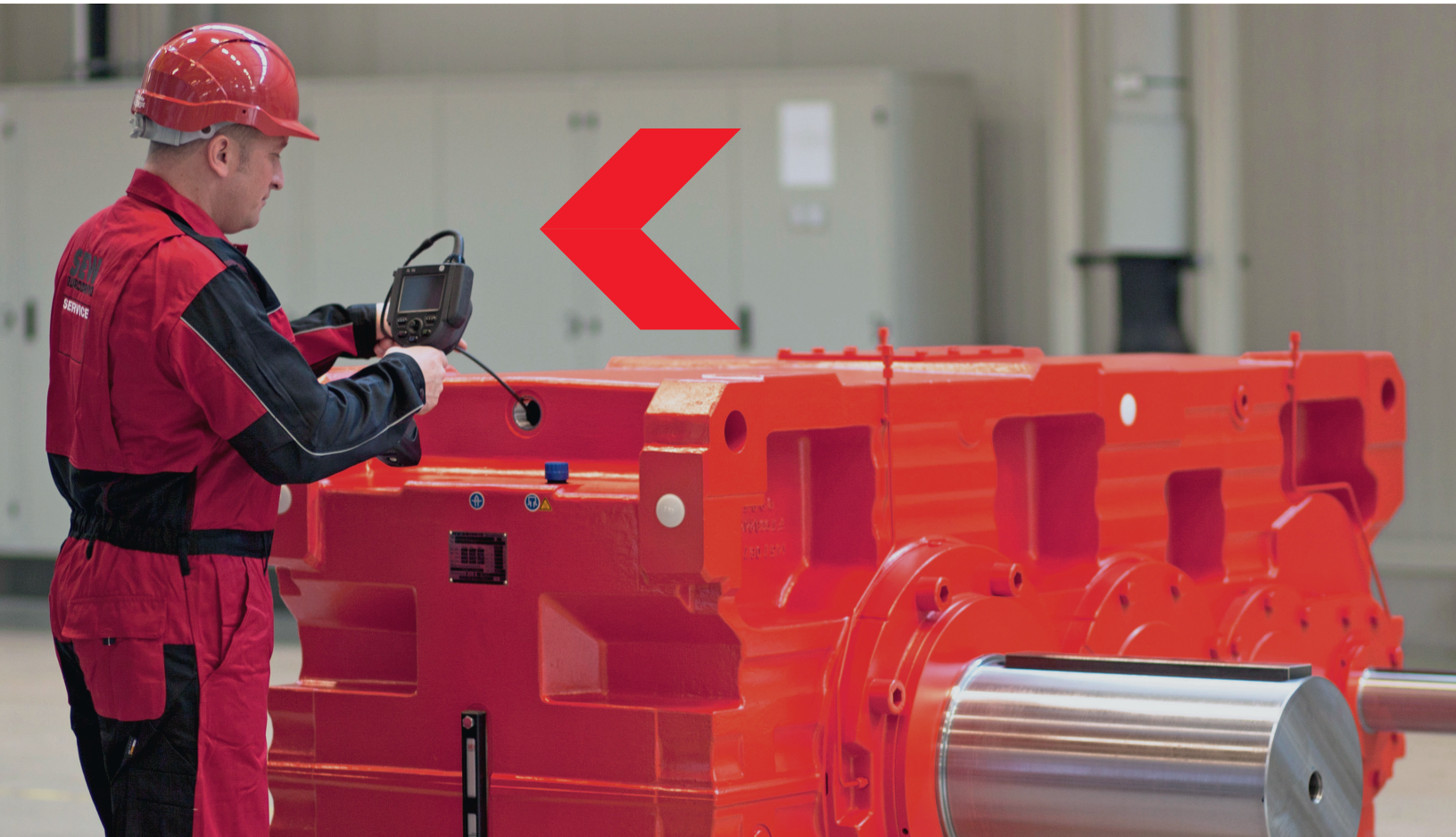


SERVICE FOCUS

BORESCOPE INSPECTION

An Easier Inspection Process

A borescope inspection is a highly-effective method for examining internal components of large industrial gear units, without the need for complete disassembly.



**Reduce
Downtime**



**Advanced Visual
Inspections**



**Conditional
Monitoring**

➤ PREPARATION AND SAFETY

Safety Checks

- Ensure gear unit and all associated machinery are powered off
- Apply lockout/tagout procedures to prevent accidental activation
- Wear appropriate personal protective equipment (PPE)

Borescope and Tool Preparation

- Ensure borescope is fully charged and operational
- Select appropriate borescope attachments (e.g., side-viewing or forward-viewing cameras) based on the inspection needs
- Prepare cleaning materials for the borescope and other tools

Access and Cleaning

- Clean exterior of gear unit to prevent any debris from entering internal components
- Identify and prepare access points for the borescope

➤ BORESCOPE INSPECTION PROCEDURE

Initial Survey

- Insert borescope into the first access point
- Conduct preliminary survey of internal space to orient inspection and identify areas of interest

Detailed Examination

- Focus on critical components: gears and bearings
- Look for signs of wear, damage, corrosion, or foreign objects
- Use borescope capabilities for photographs or videos of any anomalies for further analysis

Coverage and Documentation

- Ensure all areas of interest are thoroughly inspected
- Document inspection process, noting the conditions of components and any findings
- Store all visual documentation systematically for record-keeping and further analysis

➤ SPECIFIC COMPONENT FOCUS

Gears

- Check gear teeth for surface wear, pitting, cracking, or chipping
- Examine contact patterns on gear teeth to gauge alignment and wear distribution

Bearings

- Inspect bearings for signs of overheating, corrosion, or spalling

➤ POST INSPECTION

Review and Analysis

- Analyze captured images and videos for detailed assessment
- Compare findings against expected wear and manufacturer specifications

Report Preparation

- Compile and share comprehensive inspection report including descriptions, borescope images, and any recommendations for maintenance or repairs

Plan for Maintenance

- Based on the inspection results, schedule necessary maintenance or repairs
- Prioritize actions based on severity of findings to ensure reliability and prevent downtime

Ready to start?

Scan QR code to start a service request



Or call 888-739-3876

COMPLETE SERVICE SOLUTIONS: INSPECTION • MAINTENANCE • REPAIR • REPLACEMENT