

# Torque Measurement & Monitoring



*During the production process in many rolling applications there are various factors, such as high torque peaks, which could influence the product quality and the components of the machinery. Off-Highway Powertrain Services (OHP Services) offers torque and vibration analysis for transmission shafts and proposes counter measures to protect machinery and avoid scrap production.*

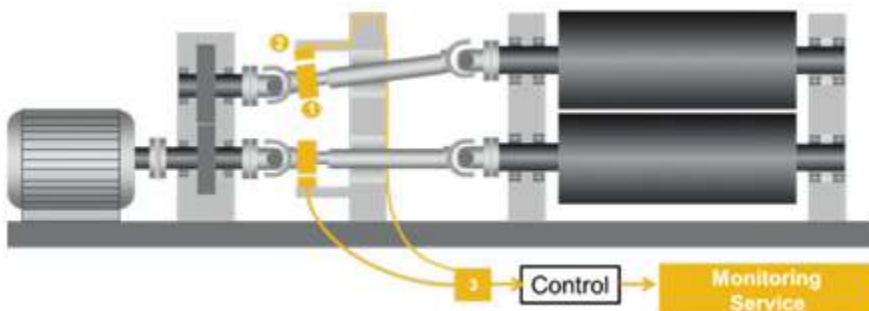
*A telemetry unit is used for torque measurement on rotating components. Various sensor signals can be provided via the telemetry unit to the machine control e.g. IBA System or directly to a data acquisition system. The signals are analysed and interpreted by OHP Services experts on a regular basis.*

## Our Deliverables:

- ▶ As a first step, OHP Services advises you on the right measurement strategy for your individual problem
- ▶ OHP Services plans and installs the customised measurement technology on your machine
- ▶ The torque measurements are analysed and the machine operator receives a regular report containing the recorded torque signals and statistics and damage indicators
- ▶ Based on our findings; the powertrain can be redesigned to counter the individual problem

## Customer Value:

- ▶ Reduced risk of unplanned shutdowns and subsequent damage to the powertrain
- ▶ Clear view on the combination of process parameters creating the peak torques and the solutions implemented to reduce them
- ▶ Increased reliability of powertrain components with a service-life improvement
- ▶ Potential to increase productivity and reduce overload risk at the same time



# Walterscheid Powertrain Group Service Centre Locations



## FIELD SERVICE AND DIGITAL SOLUTIONS

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## CARDAN INDUSTRY

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