

Outstanding - "There is no Mission Impossible for MANNER!"

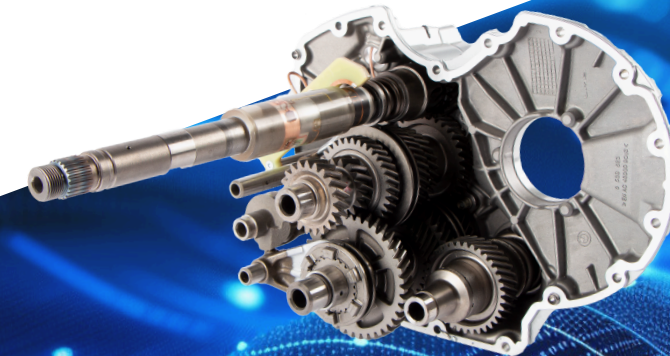
- Modular & flexible for in-situ measurements
- Miniaturized by ultra-high package density engineered to the customer's needs
- Analysis Software engineered by MANNER

Manner - Where other see darkness,  
**We get Data!**



Rögelberg Getriebe mit integriertem TeIMA Torque System zur Drehmoment-, Temperatur- und Drehzahlerfassung

## Measurement task for GEAR shafts

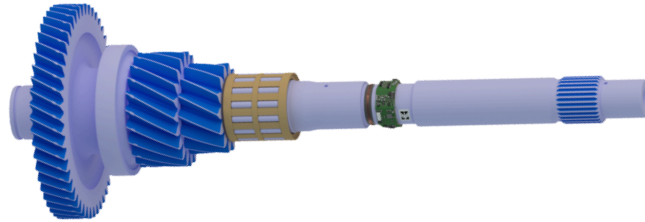


- Up to 160°C temperature resistant
- Up to 20 kHz sample rate @ 16 bit resolution
- Fully digital transmission
- Fully remotely adjustable
- Real-time telemetry health monitoring

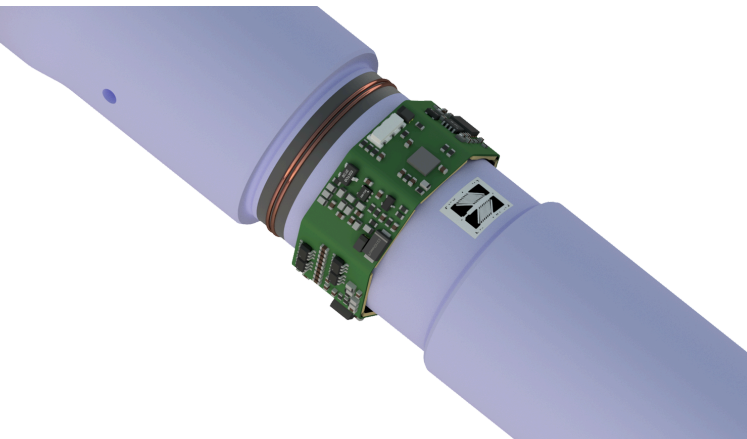
# Instrumentation

# System Setup / Monitoring / Data Analysis & Acquisition

## TYPICAL MEASUREMENT TASK FOR GEAR SHAFTS



## CLOSE UP SCHEMATIC VIEW OF THE MINIATURIZED ROTOR ELECTRONICS



System setup

Acquisition of data

Monitoring the health data of the telemetry system

Monitoring the health data of the sensors, identifying

- Open lines
- Shortcut lines

Defining trigger values for alerts

Data around the alert will be recorded to be able to investigate later

Realtime analyzing tools like

- FFT
- Waterfall Charts
- Oscilloscope
- Bargraph
- xy-Diagram
- Order Diagram

