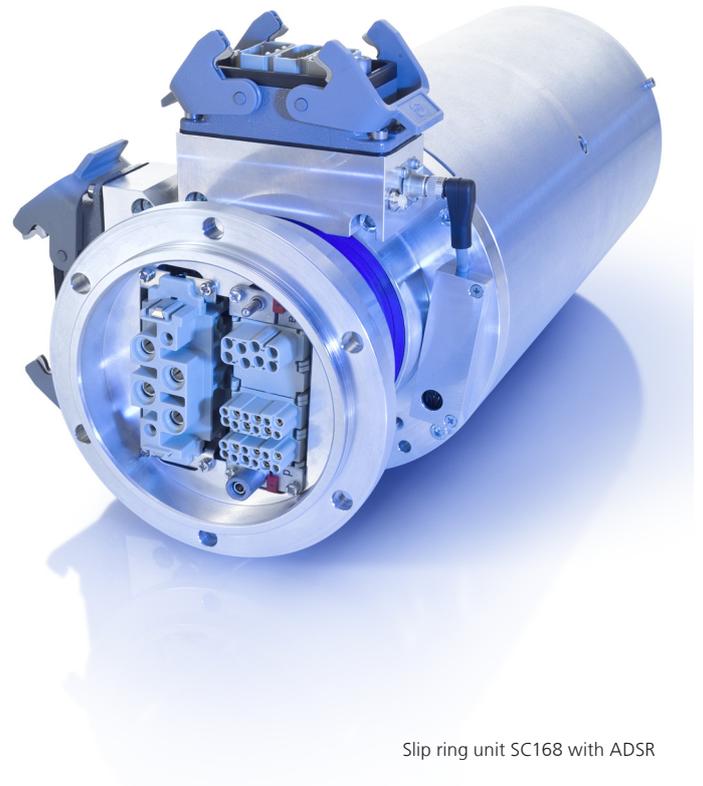




## SLIP RING UNIT WITH BUILT-IN DIAGNOSTIC SYSTEM

ADSR is an integrated diagnostic system, which offers a remote monitoring of the conditions in a slip ring unit. The aim is an improved planning of preventive maintenance measures.

The diagnostic system ADSR is integrated inside the housing and constantly monitors key parameters of a slip ring unit. It thereby anticipates possible malfunctions. If a failure is detected, the central control unit receives an alert signal. In addition, information on vibration, voltage level, power level, rotational counts and speed, as well as, optionally, the internal/external humidity and temperature during operations is supplied to the operator. The analysis of this operational data allows estimates of the remaining lifetime of the slip ring unit – both in terms of time and rotations.

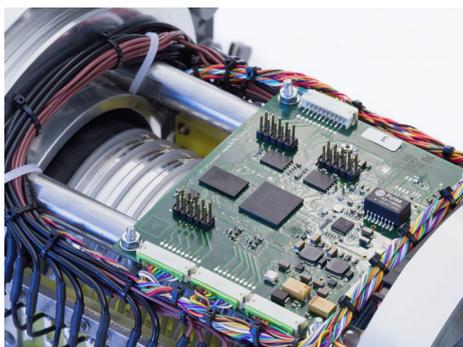


Slip ring unit SC168 with ADSR

## MONITORING OF CONDITIONS THROUGH CONTROL OF KEY PARAMETERS

- Temperature internal / external
- Humidity internal / external
- Vibration axial / vertically / horizontal
- Current and voltage on 4 power ways
- Absolute rotational counts
- Rotational speed
- Noise

The warning and alert information of the diagnostic system is transmitted via a signal cable and also visualized directly on the slip ring unit by an LED. The currently measured values and the alarm history are also available through browser-based network interfaces. The monitoring system of the slip ring unit can be connected to SCADA via an OPC-UA interface.



Integrated electronics



Optional external sensor



LED status indication

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