SMART & CONNECTED POWERTRAIN SOLUTIONS

The innovative integrated SMART Technology provides status information from the powertrain

WE MAKE POWERTRAIN INFORMATION AVAILABLE

www.walterscheid-group.com
The powertrain is one of the most critical parts of a machine. It ensures power transmission from the engine to the application.

The new Walterscheid SMART & CONNECTED powertrain technology enables that all data needed to optimize and maintain the performance of your powertrain becomes available to your application. The technology is applicable to a wide range of Walterscheid’s powertrain components.

SMART & CONNECTED POWERTRAIN SOLUTIONS

APPLICATION

Enable SMART applications by plug & play sensor functionality

PRODUCT

Provide live operation and service data to machine operators

SERVICES

Provide all relevant product and service data in electronic form
WE MAKE POWERTRAIN INFORMATION available to your application

APPLICATIONS

TECHNOLOGY

VALUE

- Increased machine availability
- Less maintenance effort
- Lower risk
- Longer component lifetime
- Increased efficiency
- Life-cycle oriented services
WE MAKE POWERTRAIN INFORMATION available to your application

SERVICE INFORMATION

DIGITAL TWIN

TEMPERATURE
SMART & CONNECTED Use Cases

**MAINTENANCE**
- Predictive and condition based monitoring
- Early wear detection
- Prediction of service and repair intervals
- Increased powertrain availability

**SERVICE**
- Relevant product and service information available
- Spare part lists and instructions available
- Remote diagnostic by powertrain experts

**INTELLIGENT MACHINES**
- New machine functionality
- Process optimization based on detailed mechanical load data
- Efficiency and performance indicators available

**TESTING**
- Real duty-cycle information available
- Behavior and performance analysis included
- Powertrain design improvements based on field tests
- Performance tracking over the whole product life-cycle
SMART & CONNECTED powertrain solutions are designed by us to bring a value to your individual application.

SMART & CONNECTED powertrain engineering service offers:

- Application specific design
- Agile prototype creation
- Innovative sensor concepts
- Life-cycle oriented design
SMART & CONNECTED enough?

Contact our staff to learn more and discuss the potential of SMART & CONNECTED in your equipment and operations.

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