

to our company and product introduction

TRADITION – in facts & figures



- **1952** New **foundation** in Schönaich near Stuttgart with the production of tachometers and revolution counters.
- 1971 Start electronic manufacturing with the production of compact measuring systems based on processor technologies.
- 2018 Move to Gärtringen: a new building adapted to the individuality of our products increases flexibility, efficiency and quality to our customers.

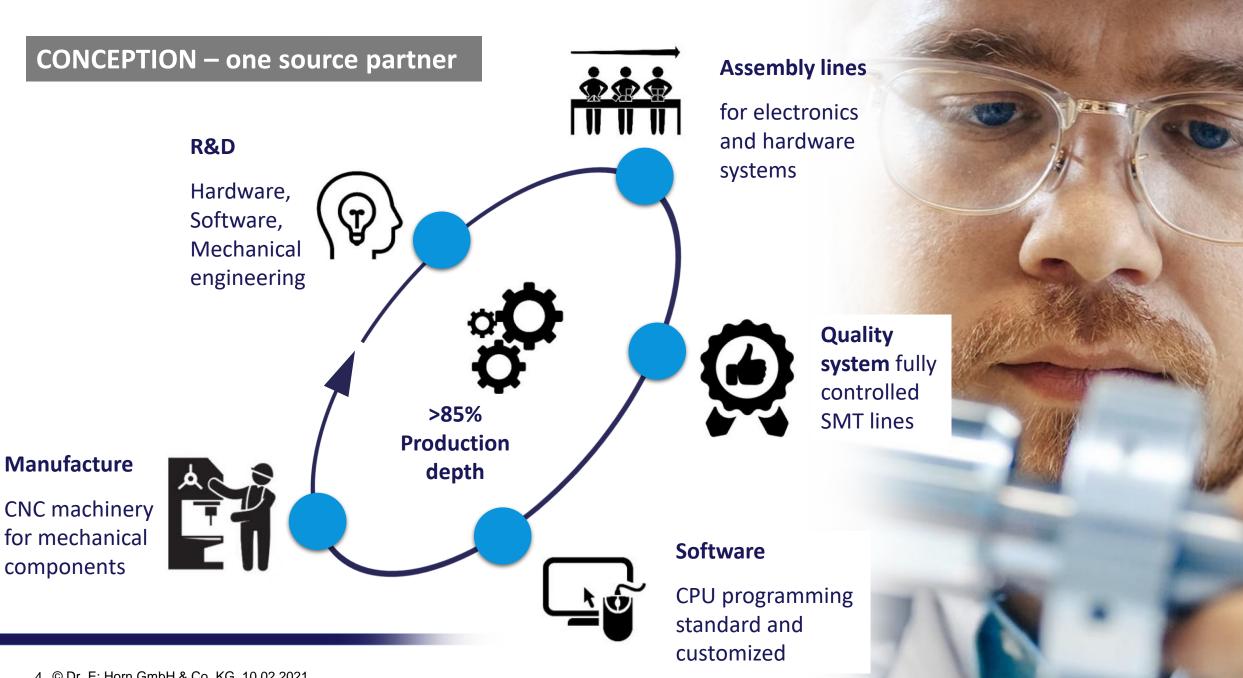


PERFORMANCE – key data

HORN

- Approx. 80 employees creating annual revenue of more than 12M€
- Certified accord. quality standard ISO 9001
- Headquarter including sales, development,
 manufacturing, quality and logistic forces
- Own service team for on-site retrofit and maintenance operations
- Serving on global scale





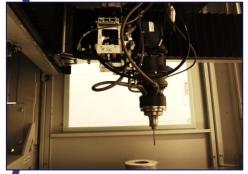
KNOW-HOW – by technology













Full automatic SMT lines

CNC machinery

Flashing&Final control

Mechanical precision

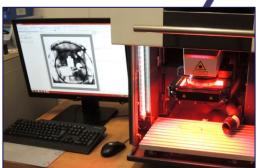
2-components potting

Functional test facilities

Production lines



Laser mark

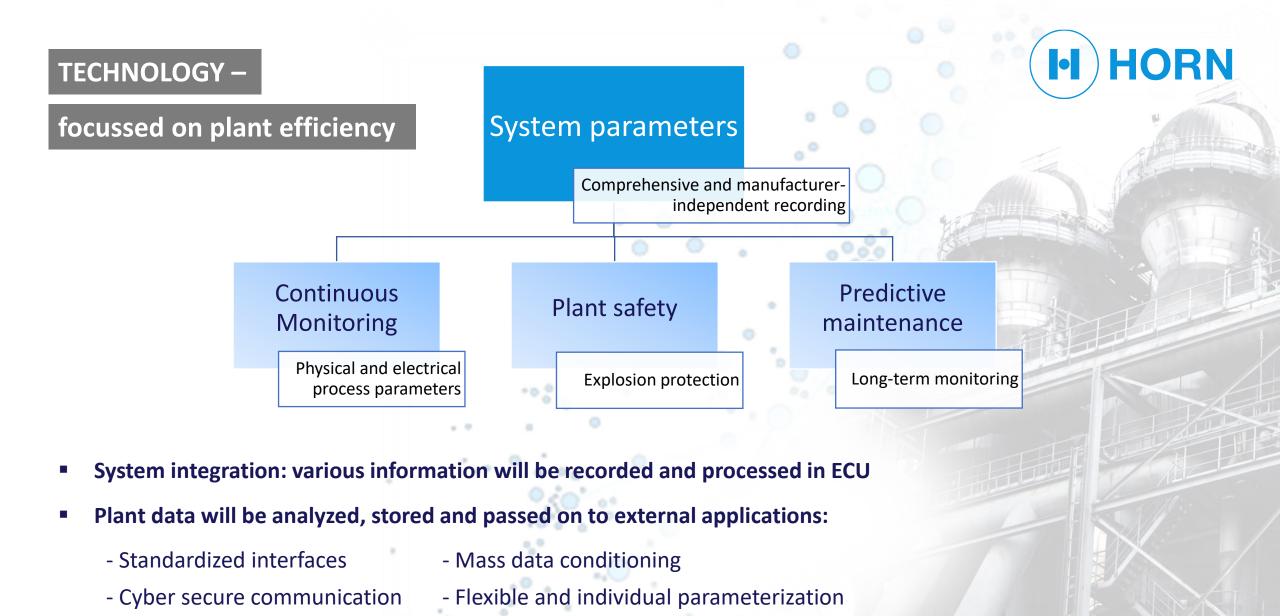


Validation test benches



Individual logistics







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WE KEEP YOUR SYSTEM RUNNING

OUR PORTFOLIO – Sensors













Frequency and velocity

CAN encoders and indicators





Distance and temperature



Temperature surface and invasive





OUR PORTFOLIO – Monitors



Analoge indicators

Digital indicators

Monitoring systems

Webbrowser support systems



OUR PORTFOLIO – Systems











CPS – crankcase protection system

BMS – bearing monitoring system

ESM – engine safety module

OMD – oil mist detector

APPLICATIONS – outstanding performance

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exemplary

Water in oil detection system in large oil transformer station



Bearing distance monitoring system in marine diesel system

PRODUCT PRESENTATION

Water in oil sensing system

Measuring water activity [aw]: saturation of water in oil in range of 5...95%

- continuous monitoring of humidity and temperature
- algorithm that takes into account natural aging effects of oil
- pre-alert >50%, main alert >90%
- complete data access
- data interface: LAN, CAN, digital I/O (stand-alone)
- MTP-READY Module type package
 - defined interfaces
- manipulation protection by hardware
- parameterizable by web browser



PRODUCT PRESENTATION

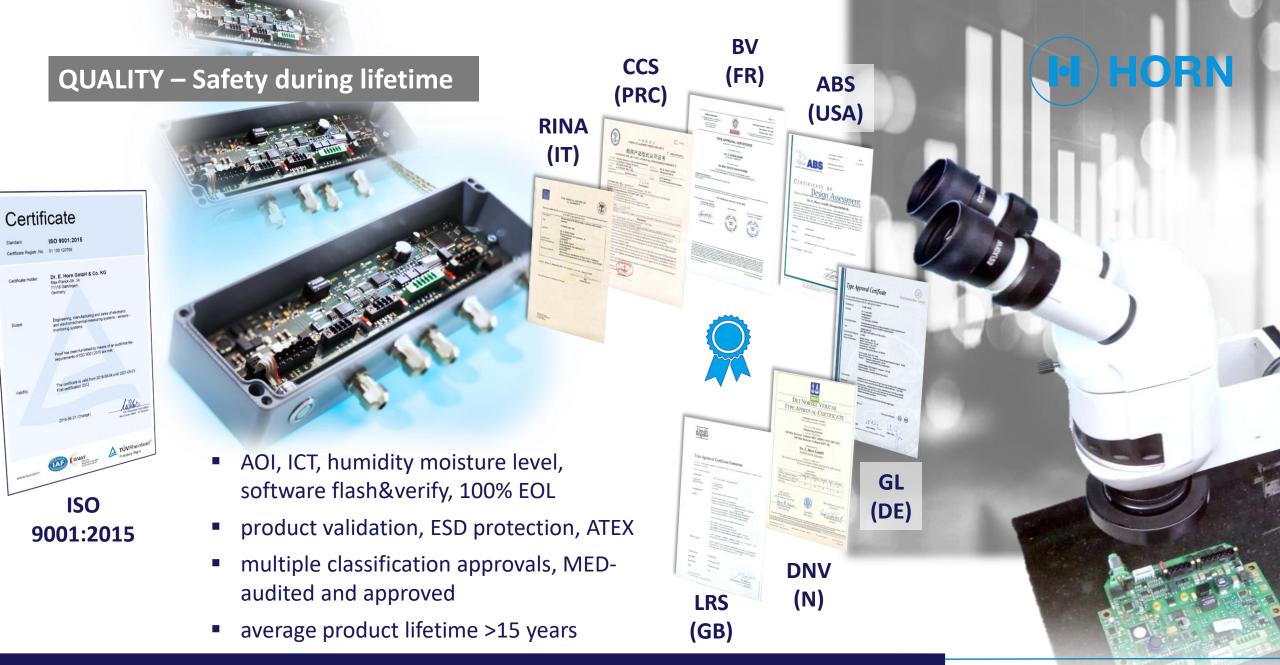
Bearing distance and monitoring system

Status monitoring of large power stations:

Friction, oxidation, overheat

- simultaneous analysis of distance, temperature and oil humidity
- up to 72 sensors within 13ms
- long term memory with >10 Mio. event logs
- traceable and manipulation protected
- CanOpen communication, A/D outputs
- designed for rough environmental conditions





REFERENCES – proof of confidence



WE KEEP YOUR SYSTEM RUNNING





















SIEMENS







PERSPECTIVES –

for a successful partnership

Thank you.

www.dr-horn.org

