



The presenter





HARTING Technology Group | Joachim Finke | 2021-11-03 | Ethernet Connectivity



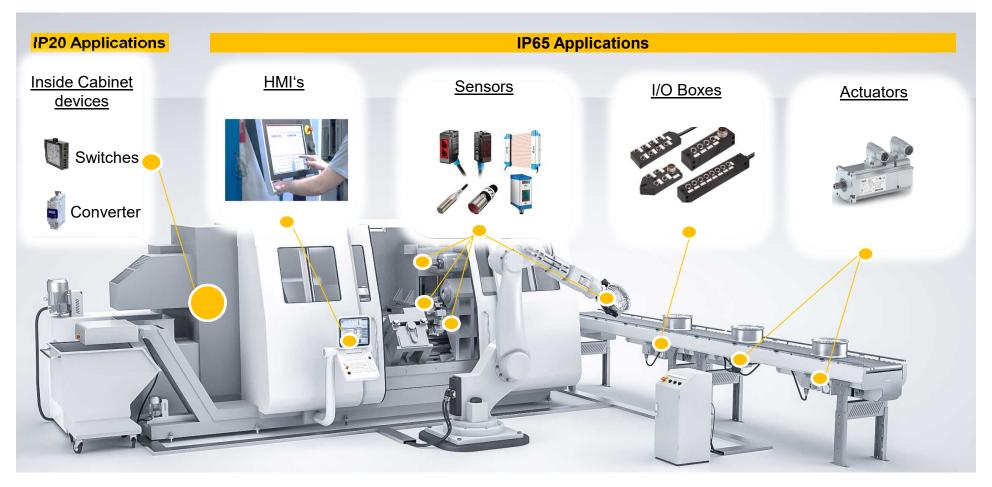


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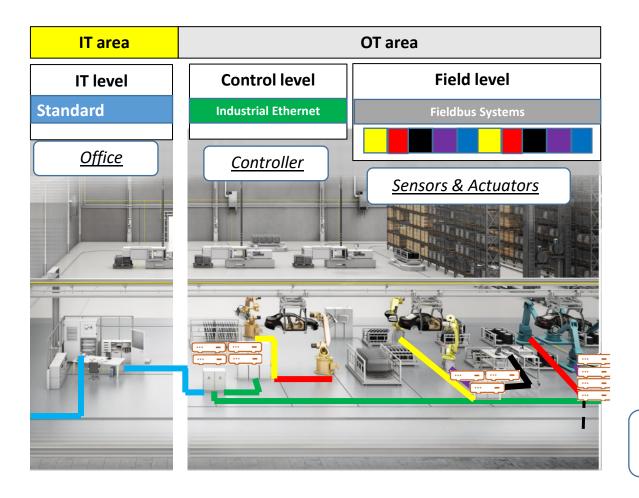


Machinery MarketAutomation devices





DIVERSE, LAGACY COMMUNICATION IR



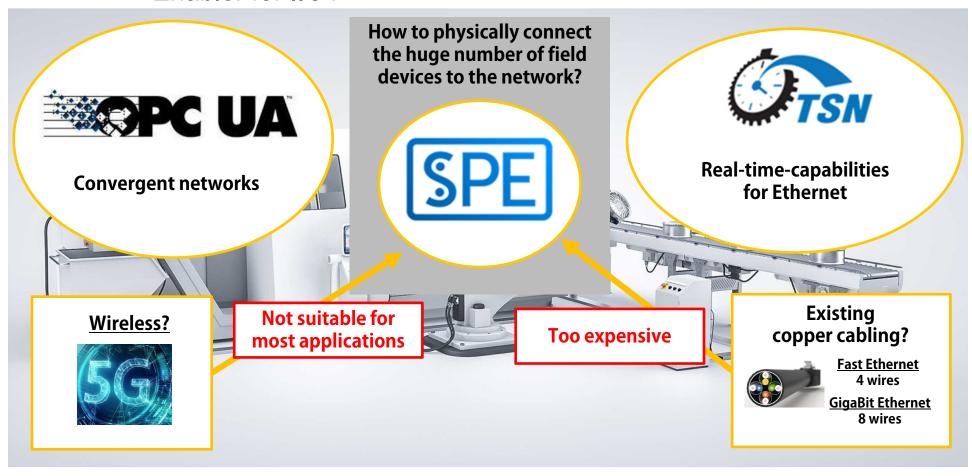




4 New Ethernet related Technologies

Enabler for IIOT

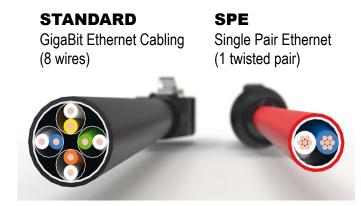






4 Single Pair Ethernet The Technology







Released IEEE 802.3 standards for SPE

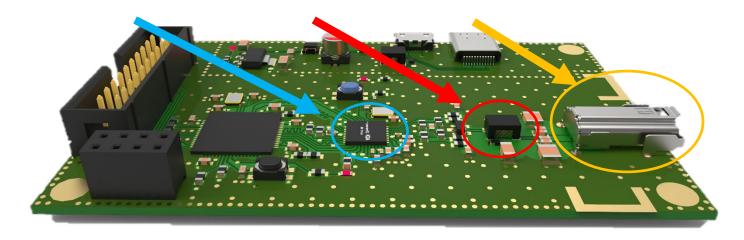






SPE specific components



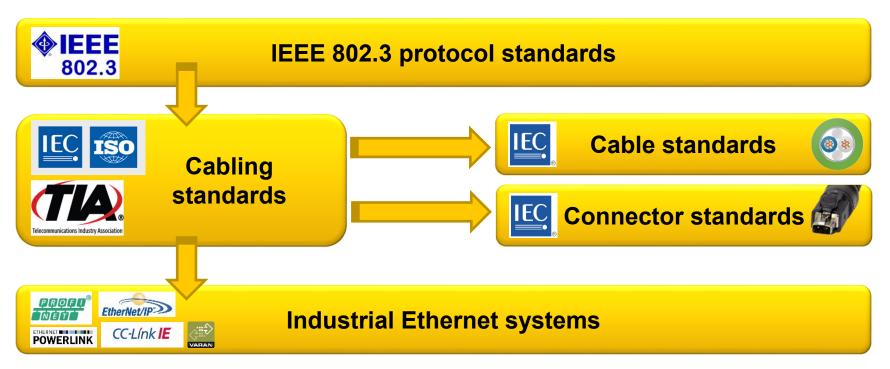




The international standardization process



SPE standardization landscape and relations between the organizations





Industrial SPE Connectivity Standardized according to IEC 63171-6



INTERNATIONAL CABLING STANDARDS ISO/IEC AND TIA SPECIFIED FOR INDUSTRIAL SPE APPL.

- Connectivity acc. IEC 63171-6 shall be used

CONNECTOR STYLES FOR EACH SIZE AND APPLICATION

IP20

M8

M8 Hybrid

M12

FUTURE PROVED DESIGN

- supports for data rates from 10MBit to 10GBit

HARTING CONNECTIVITY TAILORED FOR INDUSTRIE REQUIREMENTS

- Robust design
- Shock & Vibration proved acc. to Railway Standards
- Very reliable contact system







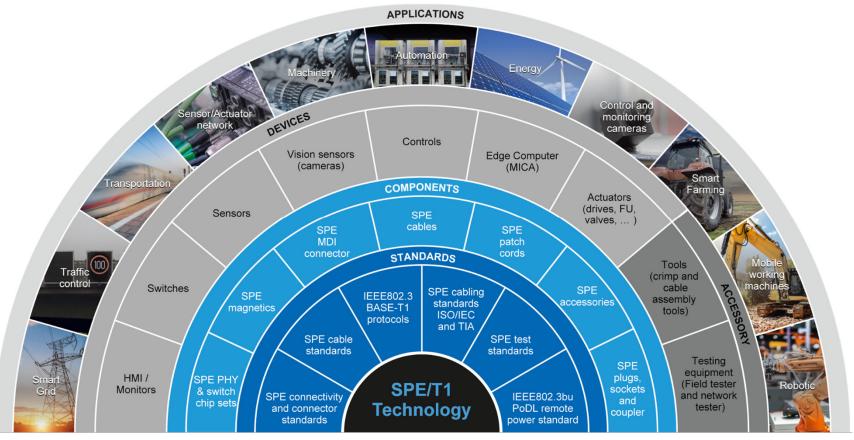
INDUSTRIAL PARTNER NETWORK

e.V.



The SPE Eco-System





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SPE Industrial Partner Network founding members









stay connected











ADDITIONAL MEMBERS















































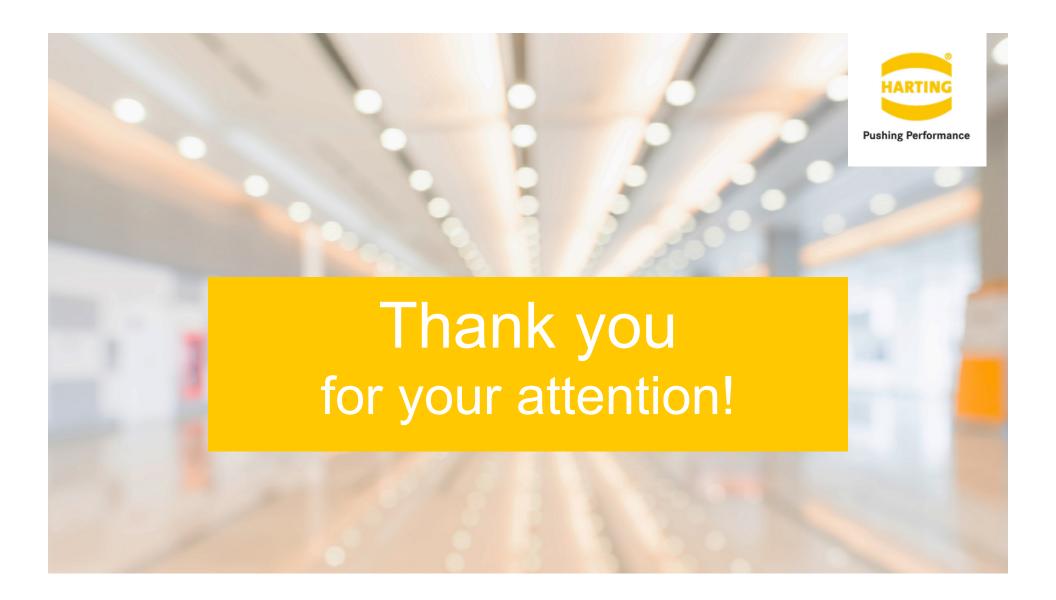














HARTING Technology Group (FY 2019/2020)



759 Mio.

Euro Sales

14 Production plants

Espelkamp, Germany

Headquarter in



> 5.000 Employees

Foundation 1945

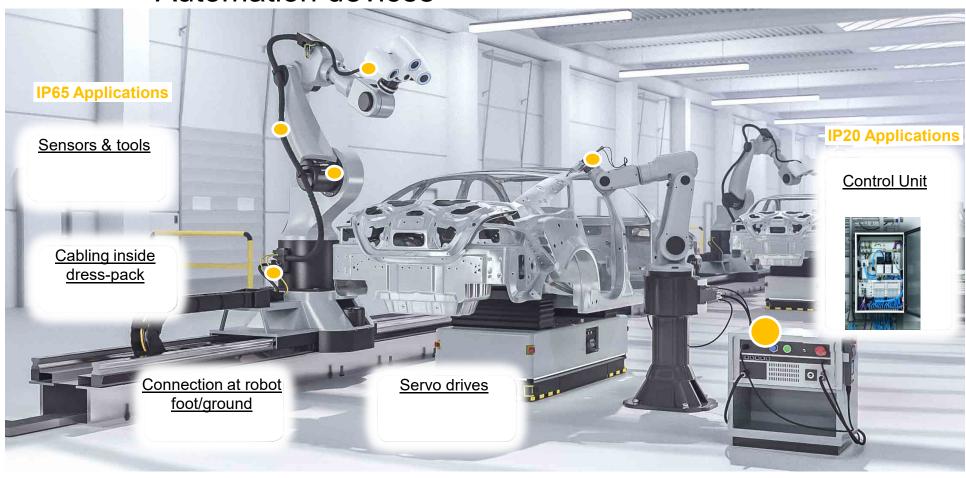


Themenübersicht



2 Robotic Market Automation devices





2 The HARTING approach Target Markets

Focus Market TRANSPORTATION



