

The safety standard

THE FUTURE IS WIDE OPEN.



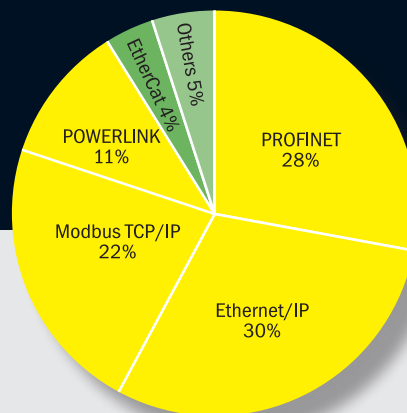
open 
SAFETY

IEC APPROVES openSAFETY AS WORLDWIDE STANDARD

The fieldbus-independent openSAFETY protocol was tested according to IEC 61784-3 FSCP 13 and approved by national IEC committees representing 27 countries including China, USA and Germany, and is therefore released for international standardization. Because openSAFETY is bus independent, it can be used with all fieldbus or industrial Ethernet systems.

End customers have been requesting a uniform and manufacturer-independent standard for years, and openSAFETY is the response to those requests. It allows increases in productivity that are currently not possible with other safety protocols.

SIL3 certification by TÜV Rheinland and TÜV Süd



Market shares of Industrial Ethernet
 (Source: IMS Research 3rd quarter 2009)

■ 91 % realised with openSAFETY

Highlights at a glance:

- one single, uniform standard for all leading fieldbuses
- maximum productivity due to efficient cross-communication
- reduced commissioning and maintenance time
- automatic safe parameterization
- perfectly suited to safe modular machine concepts
- sole 100% open safety solution
- fastest IEC 61508 SIL3 communication solution
- no risk involved in investment: TÜV certified conformance test

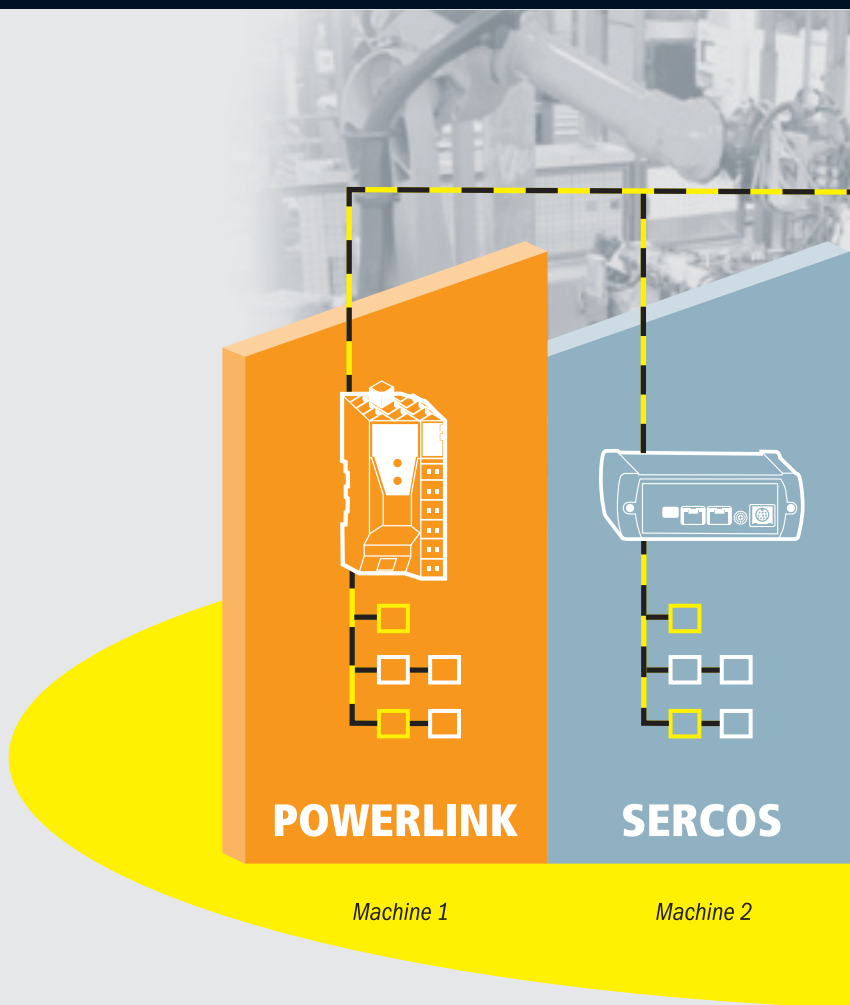
LEADING MANUFACTURERS TRUST IN openSAFETY



Connecting Industries:
openSAFETY provides one
universal safety solution for all
industrial sectors

ONE SAFETY STANDARD FOR YOUR ENTIRE PRODUCTION PLANT

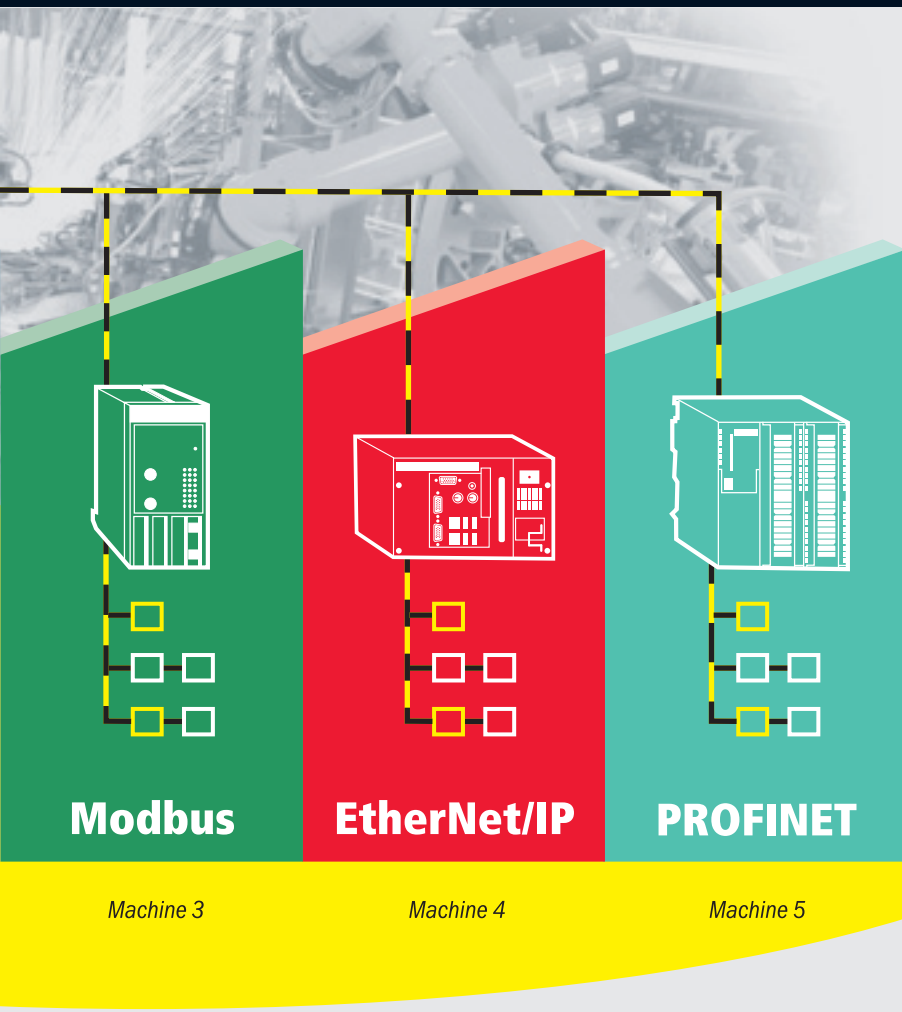
openSAFETY constitutes a universal safety standard for an entire production line, irrespective of the control system manufacturer and fieldbus standard used in it. The bus-independent openSAFETY standard therefore reduces costs as well as commissioning time for production facilities as a whole.



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SAFETY

Benefits for plant operators

- a single, consistent safety standard for an entire line or plant
- independence of control system manufacturers
- perfectly suited to safe modular plant concepts
- minimal commissioning and retrofit time
- investment security through legal and technical independence



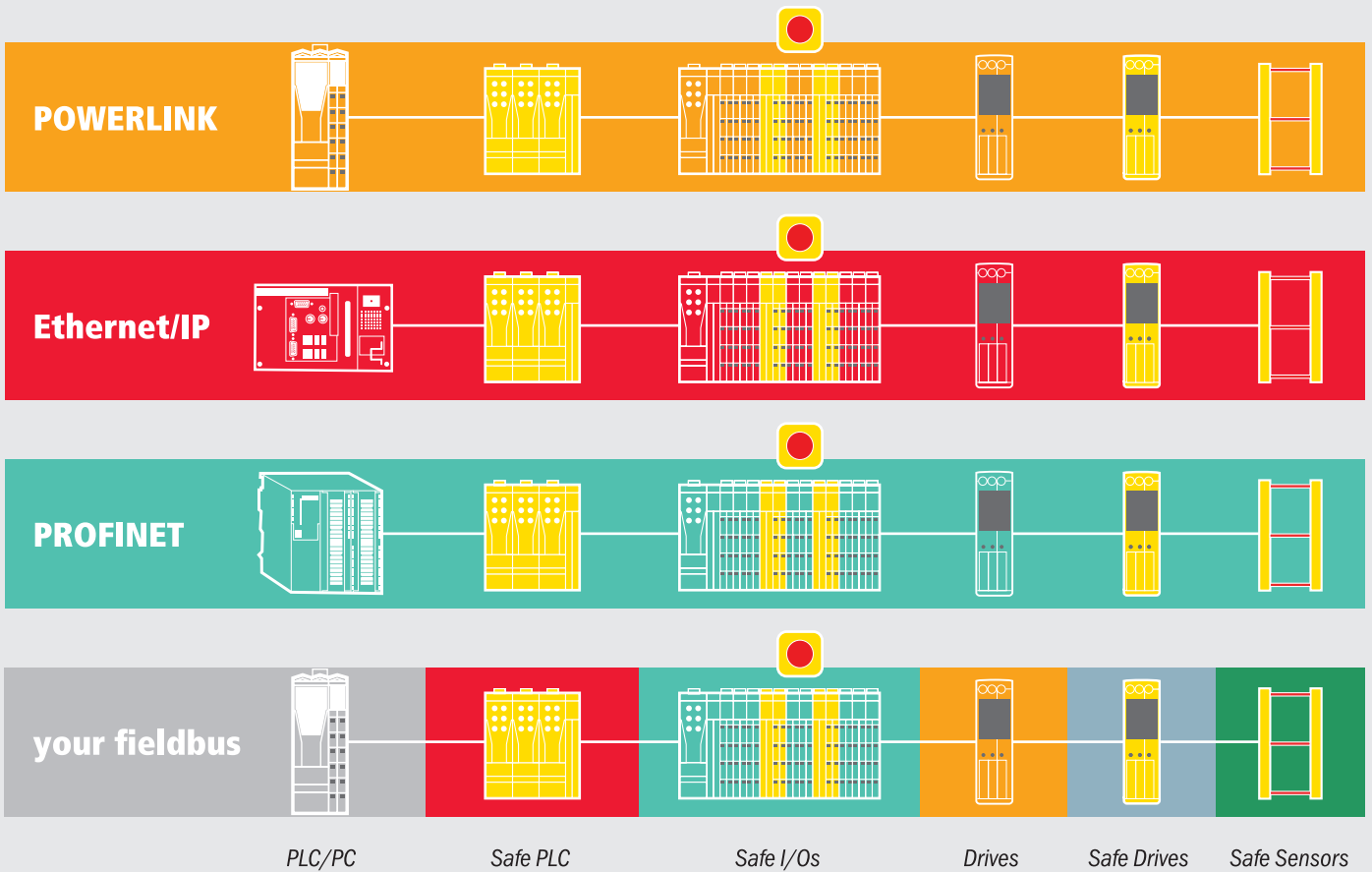
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Benefits for machine manufacturers

- free choice of safety sensors
- faster reaction times
- tighter safety distances
- higher productivity
- easy commissioning and diagnostics
- facilitation of Machinery Directive implementation

Benefits for sensor manufacturers

- only one-time development required
- reduced investment risks
- minimal time-to-market
- low costs due to open source
- interoperability guaranteed
- no risk for redesigns



openSAFETY: the first open and bus-independent safety standard for all Industrial Ethernet solutions



BE ON THE SAFE SIDE!

POWERLINK-OFFICE of EPSG

Schaperstrasse 18
10719 Berlin · Germany

Phone: +49 . 30 . 85 08 85 - 29

Fax: +49 . 30 . 85 08 85 - 86

E-Mail: info@open-safety.org

www.open-safety.org