> Standards Functional Safety and Risk Assessment EN ISO 12100, ISO 13849 and EN IEC 62061



Impossible

Possible

SIL 3 SIL 3

SIL 2

 PL_rd

SIL 1

OM

PL_re PL_re

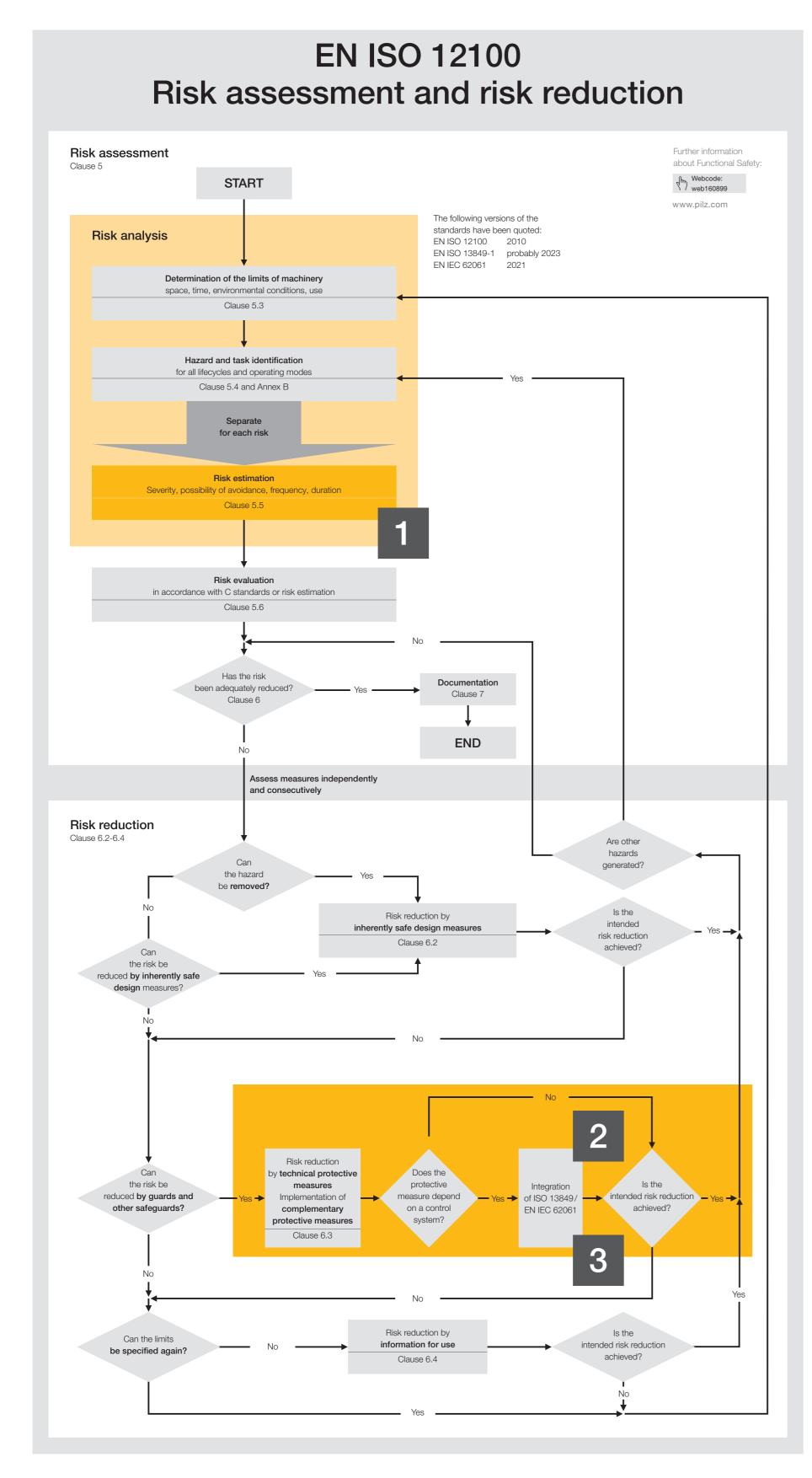
SIL 3

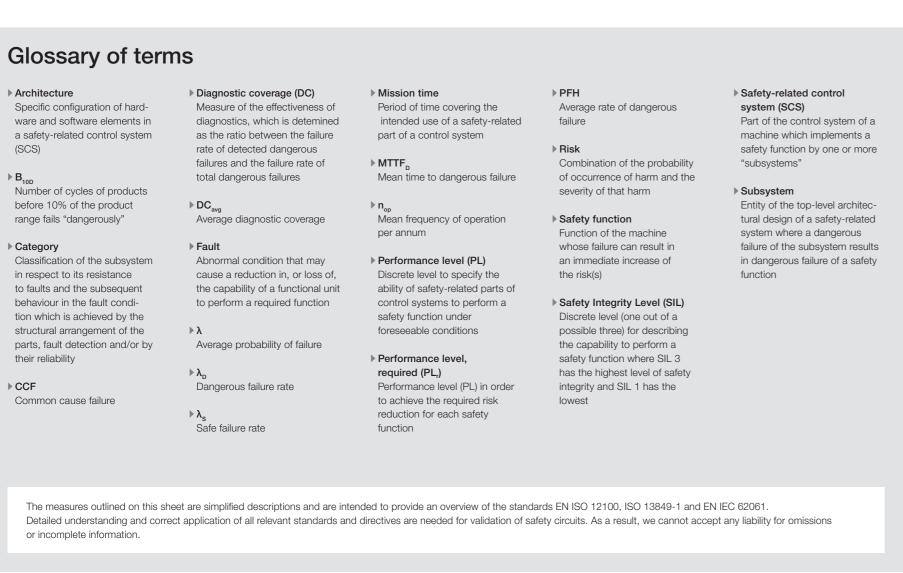
PL, e

SIL 2

SIL 1

PL_ra PL_rb PL_rc



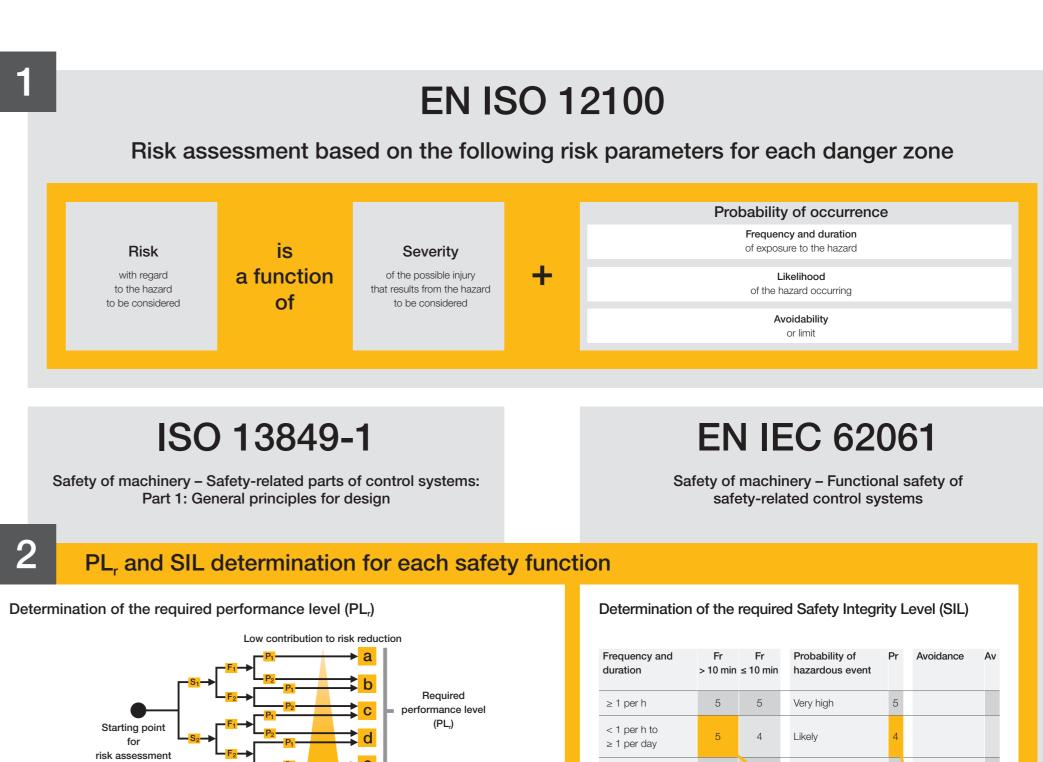


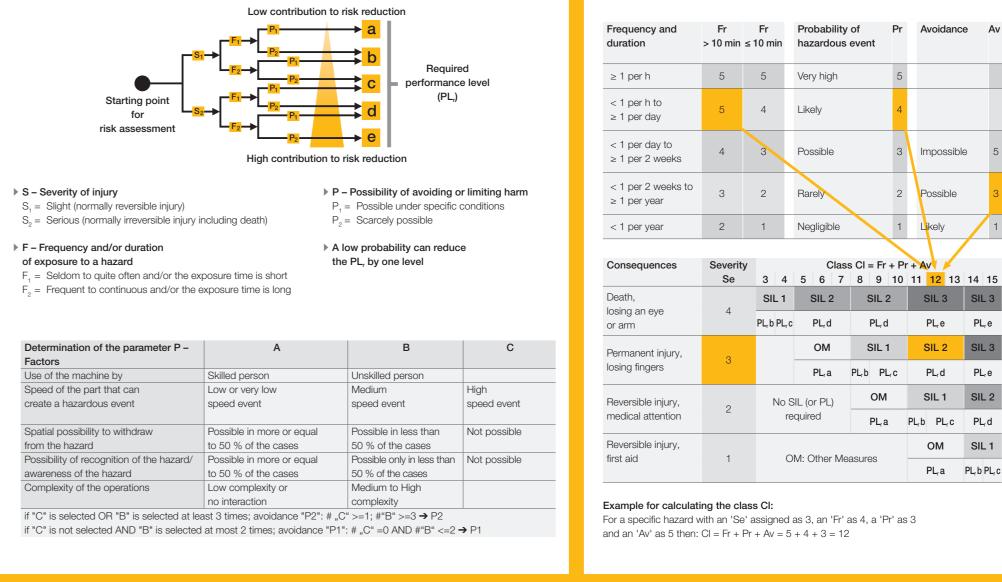


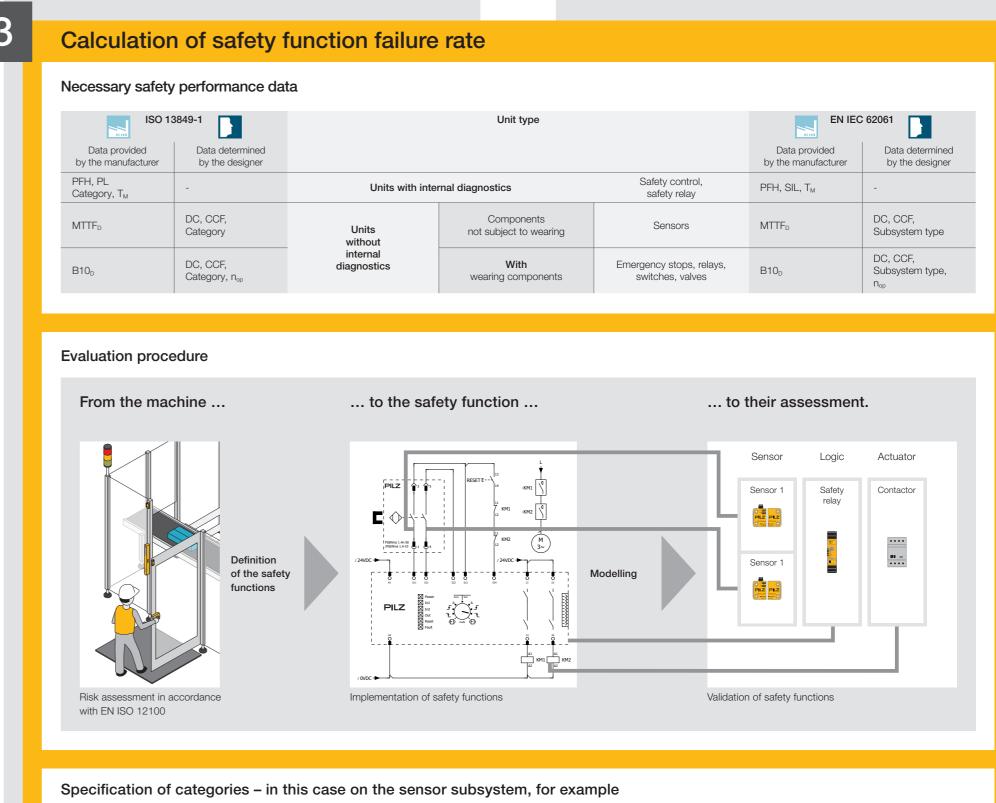
Range of plant and machinery lifecycle services

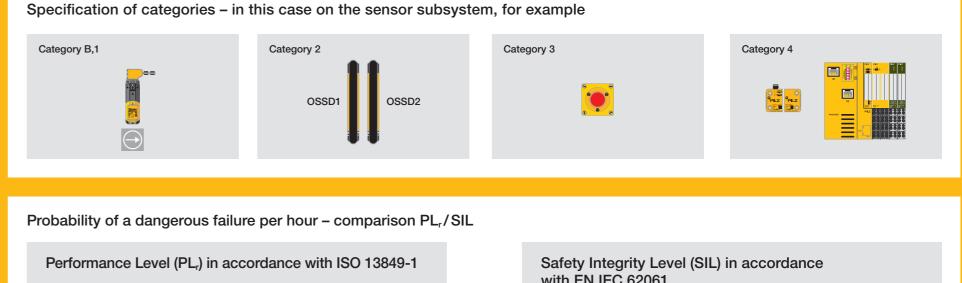
We support you in the optimum global application of safety strategies. Benefit from consulting and engineering: from risk assessment through to the declaration of conformity. Our international qualification programme guarantees enhanced success through professional development.

Further information on Machinery Safety services:









rmance Level (PL _r) in accordance with ISO 13849-1	Safety Integrity Level (SIL) in accordance with EN IEC 62061
FH ₆	Safety Integrity Probability of a dangerous failure
Performance Level	Level per hour (PFH)
3 years	3 PFH < 10 ⁻⁷
10 years 30 years	2 PFH < 10 ⁻⁶
MTTF _D = low, ■ MTTF _D = medium, MTTF _D = high years	1 PFH < 10⁻⁵
Cat. B Cat. 1 Cat. 2 Cat. 2 Cat. 3 Cat. 3 Cat. $4*$ DC	Achieved SIL ≥ required SIL?