

SAFETY SERVICES FOR INDUSTRIAL MACHINERY

SAFE MACHINES ARE MORE PRODUCTIVE MACHINES

Preventing or mitigating known risks, wherever you are in the safety process, we can provide consultation and a plan of action for the next steps.

SERVICES AT A GLANCE



CONSULTATION

Lockout / tag-out (LOTO)
Safety review
Machine safety concepts
CE marking services



RISK ASSESSMENT

Research applicable standards
Document all hazards
Determine risk level
Develop risk mitigation concept & plan



DESIGN + MITIGATION

Safety Design
Material Procurement
Installation
Programming & Commissioning
Lockout/Tag-out program as requested



VALIDATION

Validate according to EN ISO 13849-2
Validate the technical documentation
Test the installed safety devices
Non-destructive fault simulation



MAINTENANCE + MODIFICATION

Machine relocation, refurbishments, and other substantial modifications
Impact analysis to determine if additional actions are required

TRAINING

- + Education and training related to the new machine safety system
- + LOTO training
- + CESE certification
- + Custom training
- + Webinars

WHY WORK WITH US

Safety is our day-to-day business – and has been for more than 30 years. Wieland Electric personnel know the safety standards and know the capabilities of current and emerging technology in relation to standard control and safety control.

We support you from the outset and provide expert guidance every step of the way. Whether it's training, one-on-one consultations, or full project implementation — you decide how much support you need.

Contact us for a free consultation:
info@wieland-safety.com

HOW IT WORKS

SAFETY CONSULTATION

Experienced Wieland Electric machine safety consultants provide expert guidance on safety reviews, lockout/ tag-out planning and training, the machine safety concept, and the necessary reports for the CE mark certification process. Over a dedicated meeting and assessment, the safety expert will walk you through the requirements and the next steps. Depending on the project, some consultations can be completed virtually while others require a more detailed in-person assessment.

RISK ASSESSMENT

The Risk Assessment is the first phase of any safety system upgrade. The information determined in the Risk Assessment will be used during the different phases of the safety system upgrade. Wieland will create a guideline compliant risk assessment, complete with documentation that is in compliance with the current local & global laws and standards. The risk assessment includes research on the applicable standards, documentation of all hazards and likelihood of occurrence, determination of risk level (such as PLr), and the development of the risk mitigation concepts & techniques.

DESIGN + MITIGATION

The machine safety expert will provide safety system architecture recommendations and design, including turnkey integration services.

VALIDATION

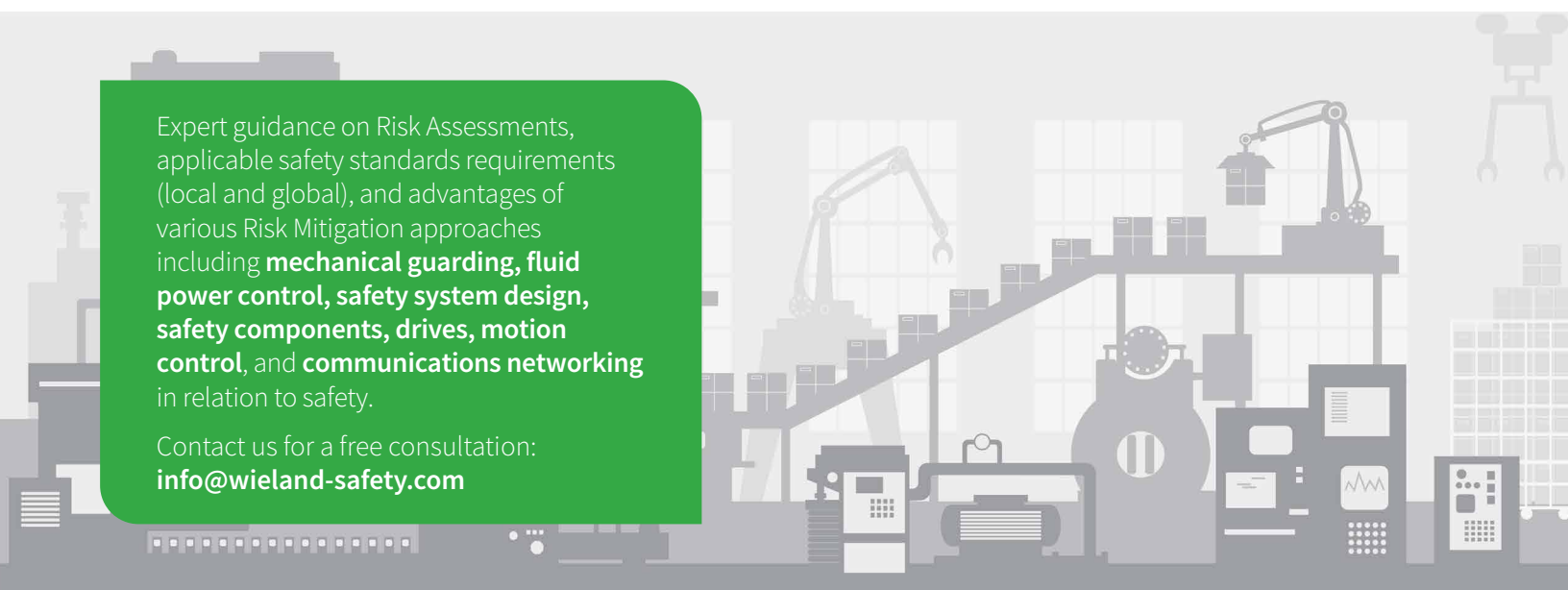
To confirm that the safety system achieves the safety performance level determined by the risk assessment, we will run the appropriate tests, check against the standards, and provide documentation.

MAINTENANCE & MODIFICATION

Machine relocation, refurbishments, the addition of a new energy source, and other substantial modifications require that the safety concept be reanalyzed. Wieland will do an impact analysis to determine if the machine continues to comply with the appropriate safety guidelines.

TRAINING & EDUCATION

Wieland Electric offers courses on the basics of functional safety for machinery, advanced certificate courses, and any custom training in-between that is specific to your situation.



Expert guidance on Risk Assessments, applicable safety standards requirements (local and global), and advantages of various Risk Mitigation approaches including **mechanical guarding, fluid power control, safety system design, safety components, drives, motion control, and communications networking** in relation to safety.

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