



▶ LOTO System: Lock Out Tag Out – Control of Hazardous Energies



Your need

There are many energy sources that can potentially pose a risk to industrial employees. These include electrical, mechanical, hydraulic, pneumatic, chemical, thermal etc. Employees operating, servicing or maintaining machines or equipment will be exposed to high risks if hazardous energy is not adequately controlled.



US Regulation 21 CFR 1910.147 and European Workplace Regulations 2009/104/EC and 2006/42/EC require that employers develop a system of work to ensure machinery and other work equipment is isolated from its energy sources and secured in a way that will not cause the energy to become accidentally re-energised.



What we do

Pilz offers a complete LOTO System package, consisting of two stages: LOTO Analysis and LOTO Procedure Development. Both solutions are combined in a practical tailor-made package for our customers. Pilz will create customised Lock Out Tag Out procedures, which can be located at the machine to ensure that employees can safely control the potentially hazardous energy during services and maintenance.



LOTO Services includes

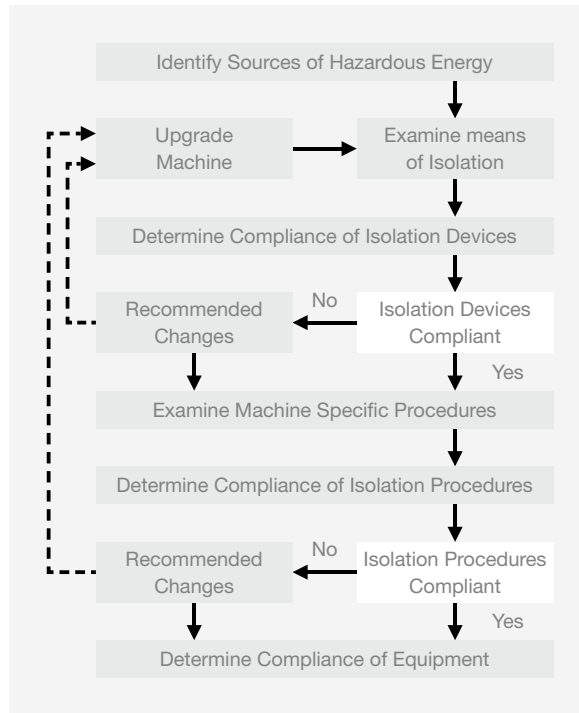
- ▶ Analysis of existing equipment
- ▶ Analysis of company LOTO policy
- ▶ Analysis of existing procedures
- ▶ Creation of new procedures
- ▶ Compliance with regulatory requirements
- ▶ Clear graphical LOTO placards to be installed on equipment

Process

The Pilz engineer will examine the existing documentation, such as the plant LOTO policy and Lock Out procedures. This is to ensure they meet the legal requirements in the relevant jurisdiction. The review of the documentation will look to ensure that:

- ▶ There is a clear policy covering LOTO
- ▶ Adequate procedures for LOTO are in place
- ▶ The procedures are followed on the floor
- ▶ Staff carrying out LOTO are competent to do so
- ▶ All energy sources identified
- ▶ Appropriate LOTO devices installed
- ▶ Appropriate verification devices available

Once the recommendations have been implemented, Pilz will develop detailed graphical procedure for each machine. The Procedure will detail the step by step requirements to ensure that all hazardous energies are controlled by the Lock Out Tag Out Procedure.




Your benefit

- ▶ Profit from a simple, safe and effective implement of LOTO
- ▶ Benefit from machine specific LOTO procedures created by Pilz located at your equipment
- ▶ Utilise alternative safeguards or partial de-energisation of the equipment
- ▶ Increase you productivity with our LOTO Service
- ▶ Ensure your LOTO policy reduces equipment downtime while achieve optimum safety
- ▶ Meet the different requirements across all jurisdictions through our international network of safety experts
- ▶ Take advantage of the proven reliability, flexibility and competitiveness of our approach

Related services

Pilz also offers 1 day Lock Out Tag Out training which provides a detailed overview of the specific practices and procedures.

Keep up to date with Safety Services:

 Webcode 0427

Online information at www.pilz.com



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