Safety Meets Security:

Implications of the EU Machinery Regulation, Cyber Resilience Act and NIS 2 Directive

Introduction

Contents

- Legislation and standards
- From Directive to Regulation: What's new and transitional timeline
- Technical deep dive: Technical changes
- Cybersecurity in the Machinery Regulation
- Cyber Resilience Act (CRA): What OEMs must know
- NIS 2 Directive: Cybersecurity for critical infrastructure
- How Regulatory changes Affect Product Design, Documentation and Conformity Assessment (CAP)

Objectives

The convergence of safety and cybersecurity is transforming the design, operation, and maintenance of industrial machinery. This training is designed to introduce participants to the new EU Machinery Regulation, the Cyber Resilience Act (CRA), and the NIS 2 Directive. It will explain how these updates signify a shift from isolated safety systems to a comprehensive risk management approach, in which cybersecurity is considered a crucial aspect of safety.

Participants will learn how OEMs and End Users must adapt to new responsibilities, face new mandatory requirements, and collaborate to ensure machines are safe to operate and resilient to cyber threats. They will explore the main safety and cybersecurity enhancements in the new Machinery Regulation, examine the scope of the Cyber Resilience Act (CRA) and the NIS 2 Directive, and understand the implications of these legislations for OEMs and end users, including their impact on product design, compliance, and operational resilience.

Benefits to you

- Gain an overview of the Machinery Regulation
- Understand the transition from the Machinery Directive (2006/42/EC) to the Machinery Regulation (EU) 2023/1230
- Become familiar with the technical and safety enhancements in the new Machinery Regulation
- Comprehend the cybersecurity requirements introduced by the Machinery Regulation

Target groups

This training is aimed at all employees of machine manufacturers, integrators and operators who are looking for an introduction to the subject of Industrial Security. The training is particularly suitable for those who are responsible for Machinery Safety in day-to-day operations, such as:

- Machine designers
- Commissioning engineers
- Design engineers
- Project and engineering managers
- System integrators
- EHS managers and personnel
- Those responsible for the upgrades of machinery
- Maintenance of the plant
- End users are responsible for the procurement of machinery

Note: *Most Pilz UK courses, including this one, can be hosted at external locations. Travel expenses for the trainer would be included in the cost.*

Course Details:

Duration: **4 hours**
9:00 – 13:00