

## ▶ Safety Validation



### Your need

When installing, retrofitting, modifying or upgrading machinery, you must be confident that work equipment is operating in full conformance with the required safety, regulatory and government standards throughout the production life.

### What we do

By drawing from decades of experience in validating machinery, Pilz engineers have developed a structured method for inspecting the safety critical elements of your plant and machinery, thereby verifying the suitability of the safety measures implemented. The check used to validate such elements includes:

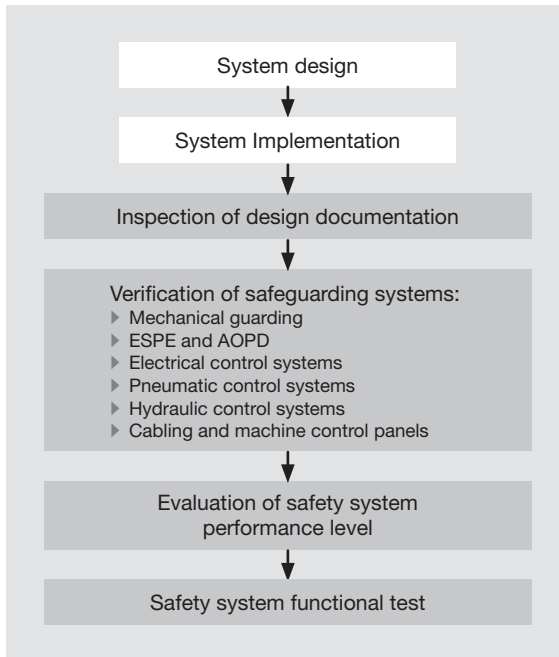
- ▶ Assessment of existing design versus safety requirements
- ▶ Evaluation of the components selected
- ▶ Check of sensor and actuator installation and wiring configuration
- ▶ Test of safety-related software and hardware functions
- ▶ Carry out a function test and fault simulation
- ▶ Production of test report detailing validation results

*Keep up to date  
with Safety Services:*

 Webcode 0427

*Online information  
at [www.pilz.com](http://www.pilz.com)*

## Safety Validation in the machinery safety lifecycle



A structured systematic approach is critical for accurate and effective validation. Through validation planning at the design stage, the steps, inspection measures and resources required for validation are detailed. The required functions and performance levels are verified.

### Your benefit



Safety Validation processes are implemented by competent personnel in a manner that is objective and systematic.

Our practical engineering experience of assessing and integrating safety and our accreditation

by internationally recognised bodies, assures compliance of your risk mitigation measures and the overall safety of your plant.

Pilz GmbH & Co. KG operates an independent inspection body in accordance with DIN EN ISO/IEC 17020:2004 for the plant and machinery sector, accredited by the German Accreditation Body (DAkKS).

### Related services

- ▶ Plant Assessment
- ▶ Risk Assessment
- ▶ Safety Concept
- ▶ Safety Design
- ▶ System Implementation
- ▶ CE Marking
- ▶ International Compliance Services

### To discuss with Pilz contact