

# DE0107 How to apply EN 17955 for mechanical devices

## Who should attend?

- ◆ Mechanical Engineers
- ◆ Safety Managers dealing with mechanical products
- ◆ Mechanical Quality Responsible

### Duration:

1 day (or in-house, jointly agreed, please contact us for more information)

### Language:

Can be chosen between German or English, training material will be in English

### Location:

*exida.com* GmbH  
Prof.-Messerschmitt-Straße 1  
85579 Neubiberg / Germany

### Certificate:

Each participant gets a letter of attendance.

For more information, please contact:

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## Agenda and Content

- ◆ Functional Safety in general and relevant standards
- ◆ Why Functional Safety for mechanical parts?
- ◆ Introduction to EN 17955 “Functional Safety of safety-related automated industrial valves
- ◆ Safety lifecycle requirements for the development of safety-related automated industrial valves according to EN 17955
- ◆ FMEA/FMEDA for mechanical products
- ◆ What is required to achieve a certain Safety Integrity Level (SIL)?
  - SIL<sub>PFD</sub>
  - SIL<sub>AC</sub>
  - SIL<sub>CAP</sub>
- ◆ Final Elements in the context of an entire safety function
  - Impact of proof testing
  - Proof Test Coverage (PTC)
  - Partial Stroke Testing (PST)