

## CYBERSECURITY MEDICAL DEVICE INDUSTRIES

The course content relates to cybersecurity for medical devices in general, with references to international standards such as ISO 14971, AAMI TIR 57 and NIST. In addition to a comprehensive overview, we also provide detailed insights into the areas of analysis and methods. In this way, you learn how cybersecurity becomes an integral part of your projects and benefit from our industry knowledge and experience.

**DURATION:** 1 Day

**LANGUAGE:** English or German

### COURSE CONTENT:

#### Module 1: Cybersecurity overview (Half day)

- Cybersecurity standards overview (AAMI, ISO, IEC und FDA)
- Risk analysis in cybersecurity with links to ISO 14971, AAMI TIR 57 and NIST
- Secure Product Development Lifecycle according to IEC 62443
- Cybersecurity management and the ISO/IEC 27000 series
- Network products and the relation to the IEC 81001-5-1 and other standards
- Standalone products
- The link to IEC 62304 and IEC 60601 activities
- Post-market cybersecurity and AAMI TIR 97

#### Modul 2: Cybersecurity analysis und methods (Half day)

- Threat taxonomy and analysis methods
- Cybersecurity processes to minimize threats
- Hardware/software cybersecurity vulnerabilities and mitigations
- Cybersecurity testing
- Fuzz and penetration testing
- Generation of SBOMs and Software Composition Analysis
- Post-market activities and reaction times
- Risk acceptance

### TARGET AUDIENCE:

Cybersecurity staff, engineers, project leaders, project managers, quality engineers, hardware/software developers

### PREREQUISITES:

This course is suitable for delegates with no prior knowledge of cybersecurity or can be customized for a more experienced audience.

### FURTHER INFORMATION:

The training takes place either online or live. The duration of the training is 8 hours (including a 30 minute lunch break and 2 shorter breaks). On request we grant a discount for group bookings.

**Your partner for functional safety  
and regulatory compliance.**

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We are happy to work with your organization to develop **customized and cost-effective training** that meets your requirements in terms of date, timing and content.

### PLEASE CONTACT US FOR YOUR BOOKING OR ENQUIRY:

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