

Cybersecurity Concepts

Understand Risks, Design Security.

Modern medical devices are complex, connected systems that manage sensitive data – and are therefore prime targets for cyberattacks. We help you integrate cybersecurity into your product development early on, effectively, and in regulatory compliance. To achieve this, we analyze threats, model risks, and establish a resilient security architecture – sustainable, secure, and pragmatic.

Based on our extensive experience with connected medical devices and digital security design, we have developed compact packages for implementation:

CYBER HEALTH CHECK

Workshop introducing regulatory requirements (FDA, MDR, IEC 62304, ISO 14971, IEC 81001-5-1, etc.) and introducing threat modeling for medical devices.

Duration: 2 weeks
Price: 9.900,- Euro

SECURE-BY-DESIGN

Detailed system analysis including STRIDE threat modeling, software architecture review, evaluation of regulatory requirements, and recommendations for security mechanisms such as secure boot, encryption, and key handling.

Duration: 6 weeks
Price: 21.850,- Euro

RESILIENCE PROGRAM

Comprehensive gap analysis of your development and processes with recommendations and implementation of optimized cybersecurity measures, including a resilience roadmap for your system.

on Request

YOUR BENEFITS

- Security concept analyzed and optimized
- Threat scenarios modeled
- Regulatory requirements systematically prepared
- Protection measures for your system strategically planned
- Reduced risk of attacks, failures, and data loss

YOUR RESULTS

- Actionable measures for secure system design
- Solid foundation for further development
- Future-proof expertise for your team
- Security for regulatory approval
- Clear life-cycle roadmap for resilience
- Enhanced protection against cyberattacks

OUR TEAM

- Interdisciplinary team of system architects, software & security experts (CEH v13)
- Extensive connectivity experience (LTE CAT M, 5G, Bluetooth, Wi-Fi, etc.)
- Proven secure-by-design practices
- FDA & MDR-approved systems
- Strong expertise across product classes I, IIa, IIb & III

OUR KNOW-HOW

- IEC 60601-4-5, IEC 81001-5-1, MDCG 2019-16
- SBOM, Secure Development Lifecycle & kernel patches
- Reliable & reproducible build processes
- Vulnerability scans
- Threat modeling (STRIDE, DREAD)
- Security concepts for Class IIb & III products
- License clearing

ABOUT CORSCIENCE

Corscience is your trusted partner for life-saving systems. With 25 years of experience, customizable building blocks and clear processes, we support you throughout the entire process – from concept to approval and beyond – whether you need support for specific challenges or a full-service partner.

**We deliver solutions that fit.
Let's find the one your system needs!**

Get in touch to learn more: sales@corscience.com

Corscience GmbH & Co. KG | Hartmannstraße 65 | 91052 Erlangen, Germany
+49 91 31 / 97 79 86 - 0 | www.corscience.de
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