



Securing Medical Devices and Healthcare ecosystems

Medical devices are among the highest risk connected components due to their direct impact on human health. Their security challenge extends beyond individual devices to encompass the entire healthcare ecosystem - from device hardware-software, to the clinical-hospital infrastructures, and data flows that support modern healthcare delivery.



The healthcare security landscape has fundamentally changed - and so have our advisory services.

From **medical device manufacturers** racing to bring innovations to market safely, to **hospitals and clinics** handling patient care while keeping data secure, to technology companies building the next breakthrough **medical platforms**: we understand the complexity of your mission, and we got you covered.

Bureau Veritas Cybersecurity advisory services are here to support you in securing your medical devices, healthcare networks, and all the critical ecosystem that connects them all.

For Device Manufacturers

Services to help you secure your devices, meet regulation requirements and patient safety.



DEVICE SECURITY TESTING HARDWARE / SOFTWARE / FIRMWARE

Ensure that your medical device is secure from chip to cloud, through:

- AI Medical Device Regulatory Compliance and Advisory.
- Our proprietary **Medical Device Security framework**.
- Device **advanced penetration testing**.
- **Multi-standard compliance validation** - Testing against requirements such as EU MDR, FDA, IEC 62443, UL 2900 and ENISA baseline security & others.
- **Customized assessment criteria** - Focused evaluation on your specific security priorities, regulatory requirements, and risk profile.

BAKE-IN SECURITY ADVISORY REGULATORY / POST-MARKET / PRE-MARKET

Accelerate time-to-market with confidence and ensure that your cybersecurity approach is ready for market.

- Support building **security by design** (bake-in instead of bolt-on).
- Static Application Security Testing (SAST), Software composition analysis (SCA) and software bill of materials (SBOM).
- Compliance roadmap and gap analysis.
- Regulatory compliance roadmap tailored to your target markets.
- Assessment against IEC 62443-4-2 & IEC 62443-3-3.
- Risk assessment reports aligned with regulatory expectations.

For Healthcare & tech providers

Services that ensure your healthcare infrastructure is protecting patient data and maintaining operational continuity.

HEALTHCARE ECOSYSTEM CYBER RESILIENCE

- Evaluate healthcare ecosystem from network architecture to medical device integrations, ensuring comprehensive protection against cyber threats.
- Data breach response simulation and staff training.
- Live cyber attack and crisis simulation exercises with clinical staff.
- Combining medical device standards (IEC 62304, IEC 80001-1) with network security frameworks.

Why choose Bureau Veritas

Bureau Veritas Cybersecurity is your expert partner in cybersecurity. We help organizations identify risks, strengthen defenses and comply with cybersecurity standards and regulations. Our services cover people, processes and technology, ranging from awareness training and social engineering to security advice, compliance and penetration testing.

We operate across IT, OT and IoT environments, supporting both digital systems and connected products. With over 300 cybersecurity professionals worldwide, we combine deep technical expertise with a global presence. Bureau Veritas Cybersecurity is part of the Bureau Veritas Group, a global leader in testing, inspection and certification.

Would you like to know more about securing your complete medical technology and ecosystem?

Whether you're developing individual devices, managing healthcare infrastructure, or integrating complex medical systems, our comprehensive security testing and advisory services ensure patient safety and regulatory compliance across your entire technology stack.



Interested?



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Contact us today:



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