

AUTOMATE YOUR PRODUCT SECURITY. NOW.

IoT Inspector is the leading European solution for automated security analysis and compliance checks of IoT firmware. Discover critical vulnerabilities directly during product development and before rollout.

The challenge

92% of all IoT/OT devices we analyze show vulnerabilities, some of them critical. Security and compliance are often not at the forefront of product development and manufacturing. However, new possibilities of connectivity are changing the threat landscape. As a result, cyberattacks on smart devices are becoming more frequent and complex.

The solution

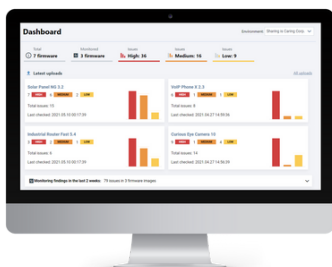
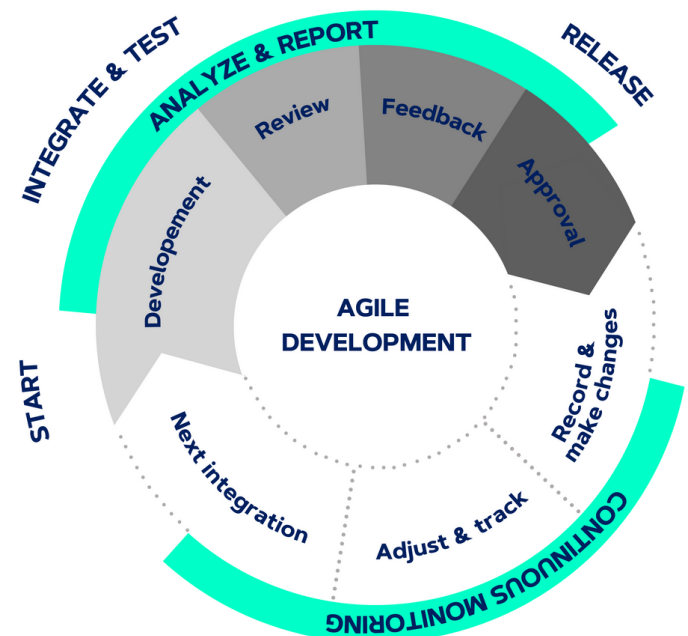
Security is not a state, but an ongoing process. Seamlessly integrated and fully automated security and compliance checks promote sustainable software quality for you and your customers. Achieve "security by design" through proactive security and compliance feedback directly during the development or procurement phase.

"We use IoT Inspector to check every piece of software for potential risks before it even reaches release candidate status, at which point any issues are immediately analyzed and fixed. This allows us to effectively secure new features and interfaces."

Giulio Grazzi, Senior Security Consultant, Swisscom

Deep integration into your business processes

- Automated upload of your firmware to IoT Inspector
- Automated binary security analysis by IoT Inspector
- Automated evaluation and transfer of results to your software development or risk management platforms



IoT Inspector is an automated, fully integrated solution. Benefit from our extensive and easy-to-use web interface during the test and implementation phase or for individual manual tests.

Security

- Best-in-class risk detection
- Cryptographic analysis
- Information leakage detection
- Firmware version comparison
- Automatic detection of hard-coded passwords, outdated components, insecure coding patterns and configurations, and much more

Compliance

- Easy alignment of firmware with international regulatory standards
- e.g., ETSI 303 645, ENISA Baseline Security Recommendations for IoT, OWASP TOP 10 IoT, DIN EN 303 645, and many more

Integration

- Seamless integration with your processes and tools
- Integration with risk management systems like JAMA, Helix, etc.
- Integration into the software development lifecycle with Jira, GitLab, etc.
- Powerful GraphQL API
- Direct feedback for development and purchasing
- Option to fully automate the security process

Digital Twin

- No source code, device access, or network connection required
- No impact on your production environment
- Continuous availability

Monitoring

- Automated alerts
- Continuous scanning of analyzed firmware for new security threats

Supply chain

- Detailed software bill of materials (SBOM) enables transparent supply chain
- Direct feedback for fact-based procurement decisions

Whether you develop IoT/OT products yourself or procure them from suppliers, with IoT Inspector you benefit from:

- Automated firmware analysis with security tests and technical compliance checks
- Automated testing of externally supplied components
- Flexible deployment as a cloud service or on-premises solution
- Comprehensive reports and results within minutes
- Cost and resource savings

Developed by security experts

As experienced penetration testers, we know that even small vulnerabilities can have a big impact on project progress and product success. To save you and your employees time, money, and stress, we have been developing IoT Inspector since 2015 - one of the best and most sophisticated automated security analysis tools on the market. Whether you are a manufacturer or user of IoT/OT products, we support you in the development and use of secure, high-quality products in the easiest way.

