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# The truth is in the source code

– REVEALING RISKS, ENSURING TRUST.

Bitsea specializes in auditing software systems and identifying hidden risks in your code. We deliver the technical due diligence required for internal audits and M&A transactions.

Organizations shape their digital futures by embracing open innovation and open source. By leveraging shared expertise, collaborative development resources, and strategic open innovation alliances, they enhance digital sovereignty, reduce vendor lock-in, and accelerate secure, transparent, and high-quality software development.

Experienced developers do not write their code from scratch but use open source to enhance development. And, using AI, it is possible to generate high-quality code at lightning speed.

Reasons to use open source include increased independence, transparency, improved productivity, and reduced development times and costs. It is important to monitor the following when using open source software (OSS):

- **Cybersecurity**
- **License compliance**
- **Export restrictions**
- **Operational risks**

The use of suitable processes and tool chains such as Software Composition Analysis (SCA) and Software Asset Management (SAM) are a prerequisite for a legally compliant and sustainable use of OSS.

Standards such as ISO/IEC 5230:2020, ISO/IEC 18974:2023 and ISO/IEC 5962:2021 provide proven guidelines and exchange formats for management of intellectual property, compliance and security in the software supply chain.

Executive Order 14028 in the United States, along with the Cyber Resilience Act (CRA), the Digital Operational Resilience Act (DORA), and NIS2 in the European Union, have introduced regulations concerning cybersecurity, ICT risks, and digital operational resilience. Among their requirements is that all components of the Software Bill of Materials (SBOM) must be continuously monitored for security vulnerabilities.



Bitsea helps reduce your risk by assuming responsibility for the management of your open source software, so that your company is protected from lack of compliance and from cyber attacks on the software supply chains.



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## OSS Management

Bitsea builds and manages your open source toolchains and the supporting infrastructure — regardless of the tools you use. We generate a resilient and comprehensive Software Bill of Materials (SBOM) that covers security vulnerabilities and associated license obligations across your software. Bitsea continuously monitors your entire supply chain and supports your suppliers in providing all necessary data.



## Audits

Bitsea's audit team identifies and monitors operational OSS risks and helps to ensure that the source code is legally compliant. We use a multi-factor approach for file-based Software Composition Analysis (SCA) and detect code fragments in source code, binary and media files and their transitive dependencies.



## Automation

Bitsea automates your open source tool chains, integrates them into existing infrastructure and helps to catalogue and reuse already-curated components. We have developed a process that identifies relevant sources in frameworks such as Ruby on Rails, Laravel or Django and eliminates unneeded source code. This saves time and costs.



## Consulting

Bitsea provides comprehensive advice on open source governance, open source processes and tool chains. We also offer Open Source Program Office (OSPO) as a service, as well as scanning services.



## Training & Coaching

Bitsea offers open source management training for business managers, project leaders and developers.

### About Bitsea

Bitsea is a leading provider of software audits and sustainable open source security, risk, and compliance management. For more than a decade, well-known companies in the automotive, telecommunications, financial services, logistics, and aerospace industries have relied on Bitsea's expertise — whether it be technical due diligence in the context of M&A activities or in promoting digital transformation.

As an active member of OpenChain, Bitsea combines innovative solutions with partner-based collaboration to support organizations around the globe in the secure integration and use of open source technologies.

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