bitsea.

The truth is in the source code

– REVEALING RISKS, ENSURING TRUST.

Bitsea is specialized in auditing software systems and identifying hidden risks for companies. We support the technical due diligence and advise operators of critical infrastructure (KRITIS).

Companies drive their digital future through open innovation and benefit from shared knowledge and development capacities as well as strategic, open development and innovation alliances. Through open source, companies strengthen their digital sovereignty, reduce the vendor lock-in effect and improve IT security, quality and transparency.

Experienced developers do not write their code from scratch but use open source for development. Using AI, it is possible to generate high-quality code at lightning speed. Reasons to use open source are to increase independence, transparency, improve productivity, shorten development time and reduce development costs. It is important to monitor the following when using 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 5230:2020, ISO 18974:2023 and ISO 5962:2021 provide proven guidelines and exchange formats for management of intellectual property, compliance and security in the software supply chain. With the Cyber Resilience Act (CRA), DORA (Digital Operational Resilience Act) and NIS2, the European Union has created regulations for the topics of cyber security, ICT risks and digital operational resilience: All components of the software bill of materials (SBOM) must be continuously checked for security vulnerabilities.
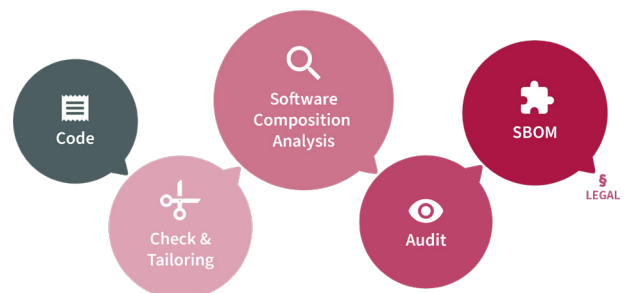
Bitsea takes over the complete management of open source for your company, so that you as a company are protected from lack of compliance and from cyber attacks on the software supply chains.

◎

bitsea.

OSS Management

Bitsea develops and operates your open source tool chains and the associated infrastructure independent of tools.
We create a resilient and complete bill of materials (SBOM), including security vulnerabilities, licenses and license obligations for your company.
Bitsea monitors your entire supply chain and also helps your suppliers to provide the required data.

Audits

Bitseas' 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. We have developed a process that identifies relevant sources in frameworks such as Yocto or Android and eliminates unneeded source code.
This saves time and costs.

Consulting

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

Training & Coaching

Bitsea offers open source management training for managers, project managers 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 Bitkom and OpenChain and TISAX-certified, Bitsea combines innovative solutions with partnership-based collaboration to support organizations in Europe in the secure integration and use of open source technologies.

Contact and additional Information:

Bitsea GmbH
Schlossstraße 7
53757 Sankt Augustin

www.bitsea.de
info@bitsea.de
+49 (0) 2241 8942615