

The logo for OSADL features a teal gear icon on the left, which is partially overlapping the letter 'O'. The letters 'SADL' are in a dark blue, bold, sans-serif font. The background of the entire image is a light blue and white industrial setting with a robotic arm on the left and various data visualization elements like bar charts and gauges on the right.

OSADL

OPEN SOURCE + INDUSTRY = OSADL

Events, Seminars & Workshops	Community	Industry 4.0	Business Process Consulting	Events, Seminars & Workshops	Community	Industry 4.0	Business Process Consulting	Events, Seminars & Workshops	Industry 4.0	Community	Events, Seminars & Workshops
Safety & Security	License Compliance Audit (LCA)	OSADL Open Source Policy Template	OSADL Technical Tools and Services	OPC UA TSN	Safety & Security	Open Source License Compliance Tools	OSADL License Checklists	Real-time	OPC UA TSN	Safety & Security	License Compliance Audit (LCA)
OSADL Open Source Policy Template	Quality Assessment OSADL QA Farm	Open Source License Compliance Tools	Quality Assessment OSADL QA Farm	Real-time	Linux	OSADL Open Source Policy Template	FOSS Legal Knowledge Database	License Compliance Audit (LCA)	FOSS Legal Knowledge Database	OSADL Open Source Policy Template	OSADL Open Source Policy Template
Events, Seminars & Workshops	Community	Industry 4.0	Business Process Consulting	Events, Seminars & Workshops	Community	Industry 4.0	Business Process Consulting	Events, Seminars & Workshops	Industry 4.0	Community	Events, Seminars & Workshops
Safety & Security	License Compliance Audit (LCA)	OSADL License Checklists	OSADL Technical Tools and Services	OPC UA TSN	Safety & Security	Open Source License Compliance Tools	OSADL License Checklists	Real-time	OPC UA TSN	Safety & Security	License Compliance Audit (LCA)

OSADL IS THE COMMUNITY FOR OPEN SOURCE IN INDUSTRY

The Open Source Automation Development Lab (OSADL) eG provides everything that is needed to use, distribute and license Open Source software components in industrial products. This includes the software itself, but also considers quality, licensing and compliance as well as safety and security aspects.

The OSADL business model is based on the principle: Develop once for the use of many.

OSADL TECHNICAL SERVICES

OSADL delivers expert technical support for using Open Source software in industrial products.



Quality
Assessment
OSADL QA Farm



Real-time



OPC UA
TSN



Safety &
Security

THE OSADL QA FARM

- is a quality assessment test center for embedded systems, rack space is included in the membership
- monitors hardware and software of about 200 Linux-based computer systems
- helps optimizing configuration and fine-tuning of individual embedded systems
- helps companies select the most appropriate embedded system for a particular application

www.osadl.org/qa

OSADL REAL-TIME LINUX SERVICES

- are based on the so-called PREEMPT_RT patches of the Linux kernel
- help companies get the most out of Linux-based real-time systems
- include kernel additions to detect the origin of unsatisfying real-time behavior (“latency fighting”)
- closely cooperate with the Linux Foundation RTL Collaborative Project and provide funding for it

www.osadl.org/rt

THE OSADL OPC UA PUBSUB OVER TSN PROJECT

- is committed to foster the development of next generation real-time communication via Ethernet
- is closely related to the open62541.org project on an Open Source implementation of OPC UA PubSub
- includes activities to improve TSN support of the Linux kernel
- uses the OSADL QA Farm to continuously demonstrate the performance progress of the project

www.osadl.org/opcu

OSADL'S SAFETY AND SECURITY PROJECTS

- include the SIL2LinuxMP project that aims to provide documents to facilitate safety certification
- aim to collect knowledge and strategies of a new way of Open Source software safety certification
- support development of methods and services to protect embedded systems against malware
- intend to develop test and stress tools to ensure systems withstand cyber attacks

www.osadl.org/safety

The OSADL portfolio of technical services is continuously expanded and adapted to OSADL members' requests.

OSADL LEGAL SERVICES

OSADL takes up current legal topics of Open Source software and is partner and know-how supplier when using it in industrial products.



OSADL
Open Source
Policy Template



OSADL License
Checklists



FOSS Legal
Knowledge
Database



License
Compliance
Audit (LCA)

THE OSADL OPEN SOURCE POLICY TEMPLATE

- helps companies establish a company-wide Open Source policy and ensures appropriate processes are in place
- consists of a collection of documents from which an individual policy for a particular company can be created
- is used to instruct all employees of a company how to deal with Open Source software
- contains supplements with in-depth training material and background information

www.osadl.org/os-policy

THE OSADL LICENSE CHECKLISTS

- contain transcripts of over 70 Open Source licenses with respect to license obligations
- allow to select particular use cases (e.g. source code delivery or binary delivery)
- are recommended to be included into a company's Open Source policy
- have been developed in close collaboration with international legal experts

www.osadl.org/checklists

THE OSADL FOSS LEGAL KNOWLEDGE DATABASE

- is a continuously growing collection of recommendations how to convey Free and Open Source Software (FOSS) compliantly
- consists of FAQ and legal assessments based on questions of general interest asked by OSADL members
- is established and continuously expanded in close collaboration with OSADL's General Counsel
- is available exclusively to OSADL members

www.osadl.org/legal

THE OSADL LICENSE COMPLIANCE AUDIT (LCA)

- is an in-house audit by a software expert and a specialized lawyer and is rewarded with a certificate, if successful
- helps companies distribute a Linux-based system compliantly
- focuses on the Linux kernel, C library and relevant company documents
- provides a detailed audit report including hints to close possible gaps detected during the audit

www.osadl.org/lca

The OSADL portfolio of legal services is continuously expanded and adapted to OSADL members' requests.

EVENTS / SEMINARS / WORKSHOPS

OSADL offers a broad range of training courses, seminars and workshops covering legal and technical aspects of using Open Source software in industry.



Events,
Seminars &
Workshops



Technical
Open Source
Topics



Legal
Open Source
Topics

Current topics include Open Source license compliance, IT for lawyers, software scanning with FOSSology and other tools, real-time Linux latency fighting, security challenges of embedded systems, safety certification of Open Source software, etc. OSADL members may propose topics of special interest that will be taken into account when planning the events.



Event Overview: www.osadl.org/events

GOLD MEMBERS

SILVER MEMBERS

BRONZE MEMBERS

ASSOCIATE MEMBERS BRONZE

ASSOCIATE MEMBERS BASE LEVEL

ACADEMIC MEMBERS

OSADL MEMBERSHIP

The Open Source Automation Development Lab (OSADL) eG is a registered cooperative and welcomes members from all over the world.

To become a regular cooperative member of OSADL, one or several shares each of 1,000 euros must be acquired once.

Regular Members can choose between three membership levels: Bronze with one share, Silver with two shares or Gold Member with three or more shares. The votes a member has in the General Assembly equals the number of shares up to three.

Most OSADL services are provided based on an annual membership contribution as flat-rate service fee of 8,000 euros per share.

Different rules apply for Associate and Academic Members.



www.osadl.org/regular-members



www.osadl.org/assoc-members



www.osadl.org/academic-members

How to join the OSADL Community? www.osadl.org/join

INTERESTED?

Ask for an in-depth introduction to OSADL's Open Source world.
Such so-called "OSADL days" are offered either via video conference or in-house.

Join OSADL and benefit from a unique experience!



www.osadl.org

