



# OSADL

OPEN SOURCE + INDUSTRY = OSADL ▶

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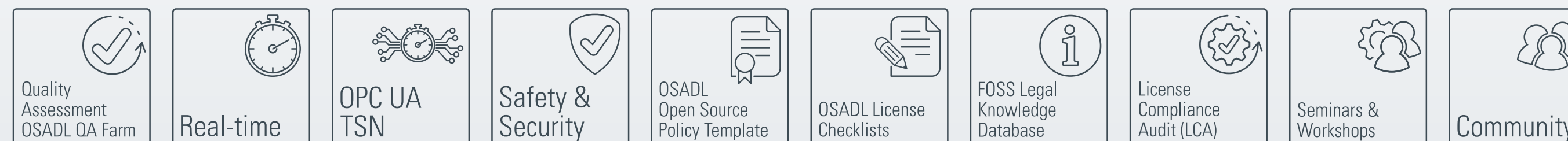
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Connect...

# 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

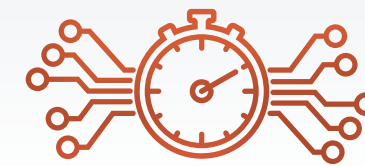
OSADL delivers expert technical support for using Open Source software in industrial products.



Quality  
Assessment  
OSADL QA Farm



Real-time



OPC UA  
TSN



Safety &  
Security





Quality  
Assessment  
OSADL QA Farm

## The OSADL QA Farm

- is a quality assurance and assessment test center for embedded systems
- monitors and optimizes hardware and software of about 200 Linux based computer systems
- ensures general reliability and stability and provides fine-tuning of individual systems
- helps companies select the most appropriate embedded system for a particular application
- offers a wide variety of research opportunities for scientific studies
- rack space is included in the regular OSADL membership



Real-time

## 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
-



## 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



## 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

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

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# 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
- aims to ensure that appropriate processes are in place
- is used to instruct all employees of a company how to deal with Open Source software
- consists of a collection of documents from which an individual policy can be created
- can be adapted to the company's requirements on content, form and scope
- contains supplements with in-depth training material and background information



## The OSADL License Checklists

- contain transcripts of over 65 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
-



FOSS Legal  
Knowledge  
Database

## 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



License  
Compliance  
Audit (LCA)

## The OSADL License Compliance Audit (LCA)

- is an in-house audit undertaken by a software specialist and a specialized lawyer
- 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
- if successful, is rewarded with a certificate

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

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OSADL offers a broad range of training courses, seminars and workshops covering legal and technical aspects of using Open Source software in industry. Current topics include license compliance, IT for lawyers, software scanning with FOSSology, real-time Linux latency fighting, security challenges of embedded systems, safety certification of Open Source software, etc.



EVENTS 2020

EVENTS 2021

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# OSADL MEMBERSHIP

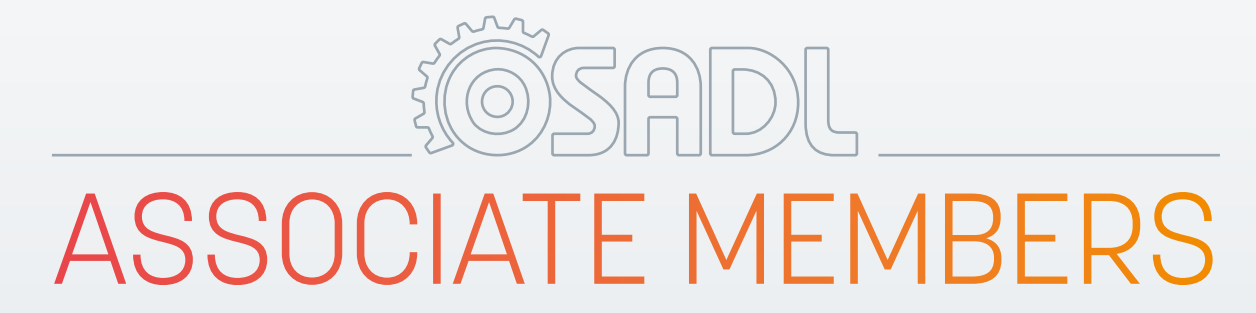
The Open Source Automation Development Lab (OSADL) eG is a registered cooperative and welcomes members from all over the world.

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

Members can choose between three levels: Bronze with one share, Silver with two shares or Gold with three shares.

Members have as many votes in the general assembly as they have shares. 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 Academic and Associate Members.



How to join the OSADL community

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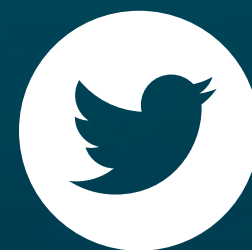




# INTERESTED?

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!*



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