



# CODE GENERATION

for UML & SysML

## EMBEDDED ENGINEER<sup>©</sup>

Low Code Platform for  
Embedded Systems

LieberLieber is a specialist  
for the automated creation of  
optimized, minimal code for  
embedded systems solutions.



by LieberLieber Software

# Generate Code

from UML & SysML and benefit from total traceability

## EMBEDDED ENGINEER<sup>®</sup> HIGHLIGHTS

- ✓ **C & C++ Code Generation**  
UML & SysML Code Generation, specifically for embedded development
- ✓ **Misra Compliant**  
Generate ANSI C (Misra-Compliant) and C++ source code, User Code Synchronization, ready for real-time safety critical systems
- ✓ **Code generation adaption**  
Coding-guidelines-compliant source code with adaption of the code generator
- ✓ **Requirements Tracing**  
Link requirements in the model and find them right away in the generated source code
- ✓ **Debugging on target systems**  
Debugging incl. breakpoints on the model level for UML
- ✓ **User Code Sync**  
Integrate the generated code seamlessly with your existing source code

## BENEFITS

**MODEL-BASED DEVELOPMENT**  
Activity models, state machines, interface definitions, component-oriented design, easily extendable

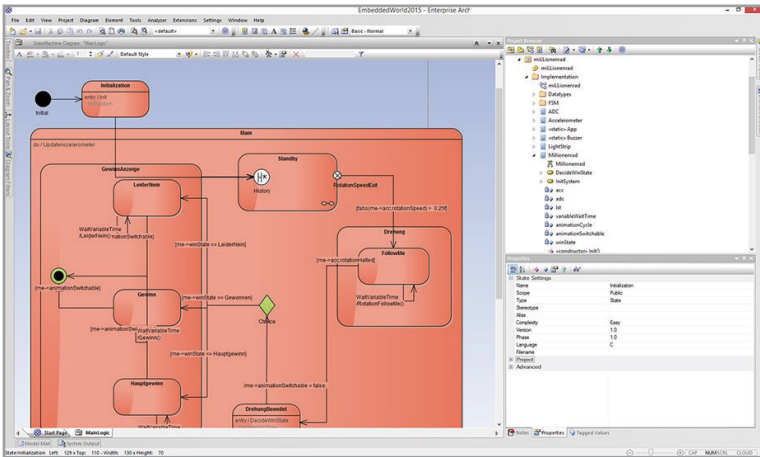


**CODE-CENTRIC DEVELOPMENT**  
IDE projects, hand-written code

## MODELING PLATFORMS

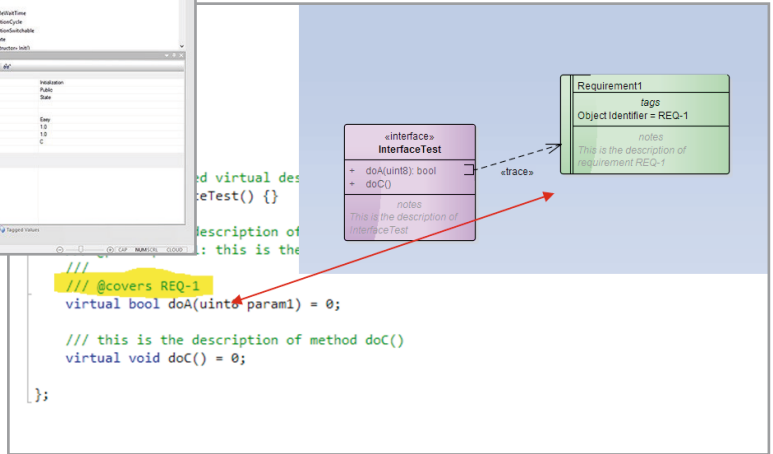


# INSIGHTS



## UML Debugging with Hardware Breakpoints

Full tractability from requirements to code



# SERVICES

## Code Generator Adaptation

Embedded Engineer can be used as extension for Enterprise Architect as well as for other modeling tools. To best incorporate Embedded Engineer into your day-to-day work, we'll configure the tool according to your coding guidelines or other requirements. If necessary, we may even extend its range of functionalities.

## Support

Our Support Team is ready to help you work with Embedded Engineer as comfortably as possible. We will incorporate your experience gained from using Embedded Engineer to continually improve its functionality and effectiveness. Don't hesitate to contact us, we'll find the right solution for you!

## Training

We have training specialists with years of project knowledge standing by to ensure you receive the greatest benefit possible when using your system. Ask us for a Webinar or an in-house training to freshen up your skills!



Daniel Siegl, CEO

**Request your trial version!**

[www.lieberlieber.com/embedded-engineer/](http://www.lieberlieber.com/embedded-engineer/)

## REFERENCES



### Hirschmann Car Communication

If we want to maintain our lead, we must also continuously optimize our tools. We want to live quality in all areas and the Embedded Engineer supports us in an excellent way!



### Hilti Power Tools

It soon became clear that LieberLieber's approach was very practical and promising for us. The internal learning effort was limited. After this time, our developers were already able to model and generate executable code on their own, which surprised us very positively.



## LieberLieber Software

Handelskai 340, Top 5  
A-1020 Wien  
+43 662 906002017  
welcome@lieberlieber.com  
www.lieberlieber.com