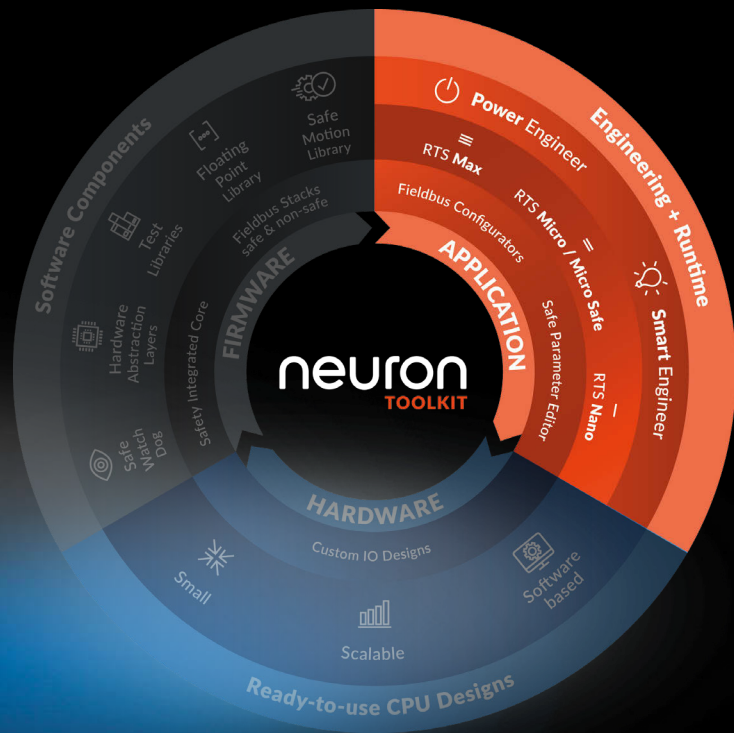


Neuron Power Engineer



Summary Neuron Power Engineer

Neuron Power Engineer is the current engineering tool for development of safe and non-safe applications. Furthermore, it is used to develop and test reusable libraries. It satisfies the needs of developers and automation engineers alike.

Main benefits at one glance

Combine safe and non-safe applications as well as libraries from IEC- and high-level-languages into one integrated development environment.



Multiuserability



Reusable Software libraries from IEC 61131-3-Languages und high-level-languages (C/C++)



One tool for safe & non-safe



Verification/validation



On-board testmanager

Safe and non-safe combined to reduce data duplication using separate tools

Customization allowing OEMs to add their own extensions and branding

Decouple application and firmware for faster innovation of safety devices

High quality and reusable software libraries for faster change management

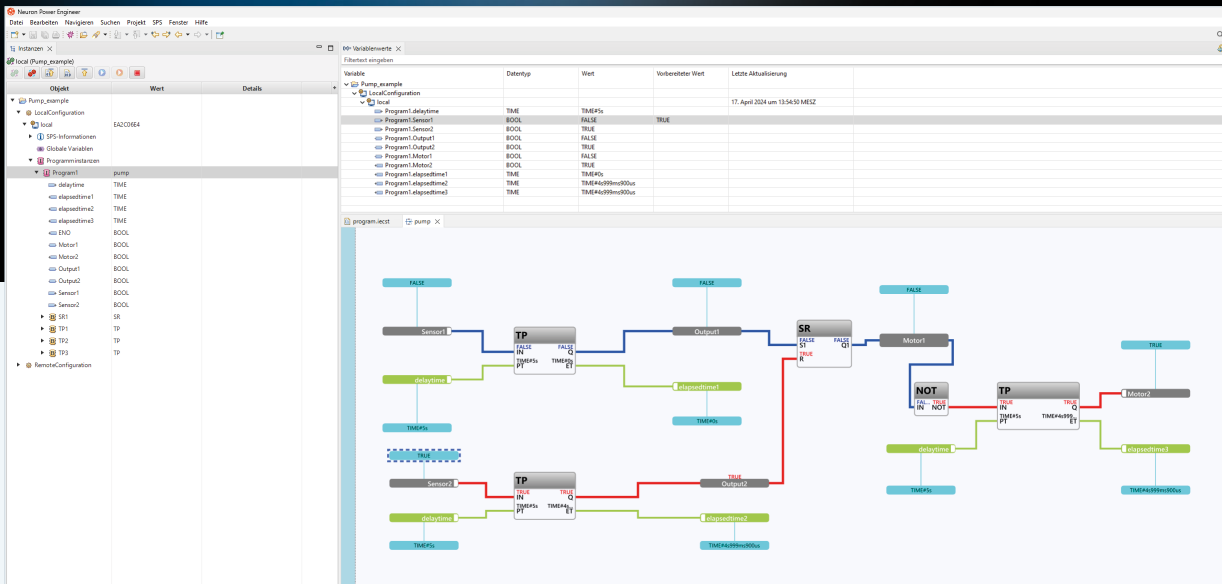
Our Core: Your Choice.

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Your Solution Partner for Functional Safety, Engineering Tools & Runtimes

Interface



Specifications

IEC 61131-3 and high-level (C/C++) coding

Built-in PLC-simulator

Certified process for safety library development

Complete project structure through text files to allow external code generation

Comprehensive library for IEC61131 and PLCopen Safety functionality

Customizable through API

Integrated fieldbus configuration

Integrated safety parameter editor

Integration with Matlab/Simulink for model-based development

Integration with source code management and continuous integration

Multi project, multi user, multi controller support

Safe and non-safe programs in the same project

Safe programming using LVL and FVL

T3 qualified according up to SIL 3 according to IEC61508 and ASIL C according to ISO26262

Unit test framework and static code analysis