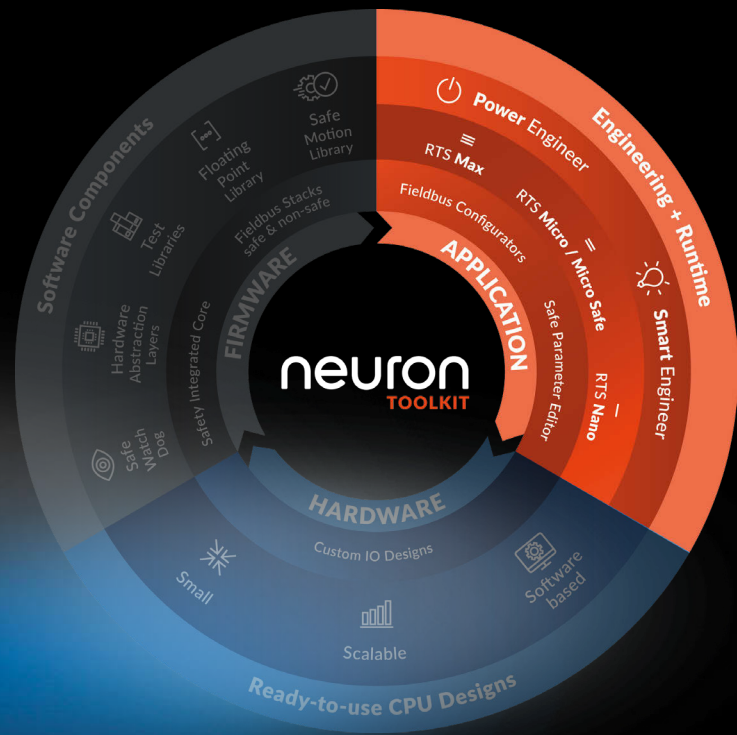







Neuron Smart Engineer



Summary

Neuron Smart Engineer is the next generation of engineering tools. Built on the proven and platform independent backend of the Neuron Power Engineer, it provides a modern and intuitive web-based front end to cater to an even broader range of users from developers and automation engineers to safety engineers and maintenance technicians. The variety of available programming languages is greatly expanded by supporting all available extensions to Visual Studio Code.

Main benefits at one glance

-  Customization to your own extensions and branding
-  Extensible with your own technologies
-  Platform independence
-  Persona based user interface
-  One tool for safe and non-safe applications

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

Additional Smart FBD for simplified safety engineering

Persona based user interface to hide unnecessary functionality

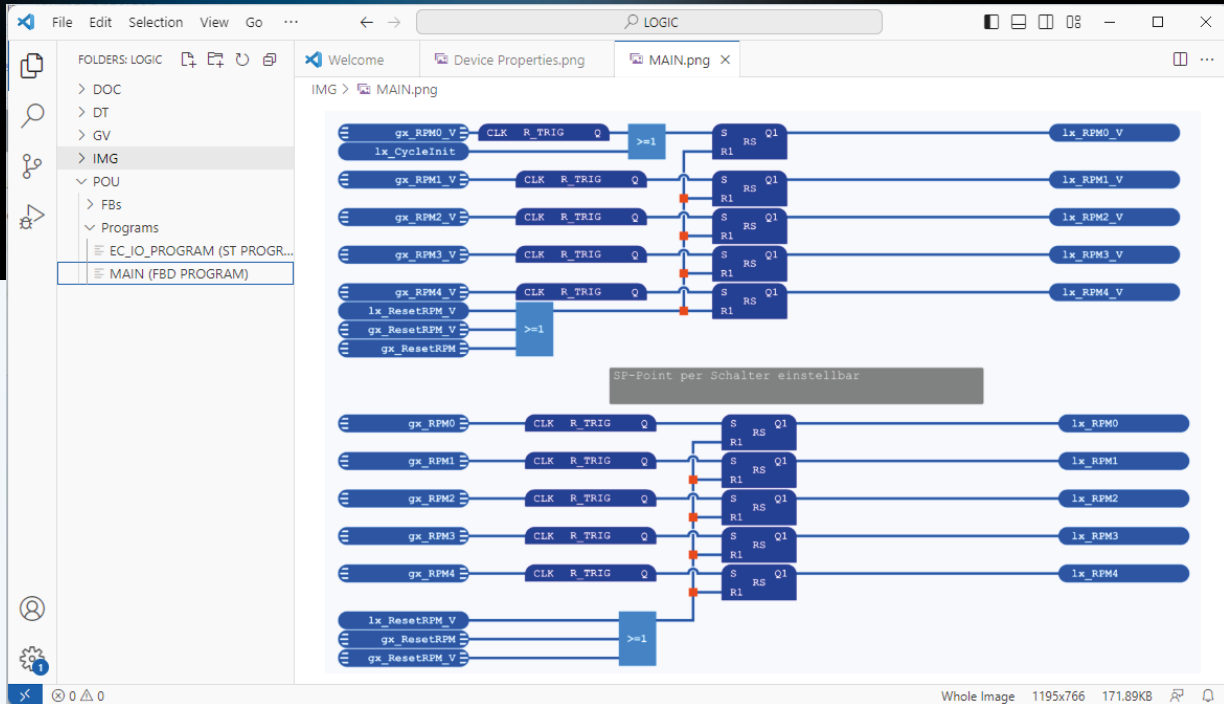
Platform independence – desktop, server, or cloud deployment

Extensible with additional programming languages

Configuration of hardware topology for backplane and fieldbus systems

Your Solution Partner for Functional Safety, Engineering Tools & Runtimes

Interface



Specifications

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

Additional Smart-FBD-Editor (non-IEC) for simplified safety engineering

Built-in PLC simulator

Customizable user interface to hide unnecessary functionality

Customization allowing OEMs to add their own extensions and branding

Eliminate boundaries between realtime controller and edge functionality by combining traditional OT programming in IEC61131 with typical IT languages for Linux application programming

Integrated fieldbus configuration

Integrated safety parameter editor

Integration with Matlab/Simulink for model-based development

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

Separation of application and firmware for faster innovation of safety devices

Our Core: Your Choice.

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