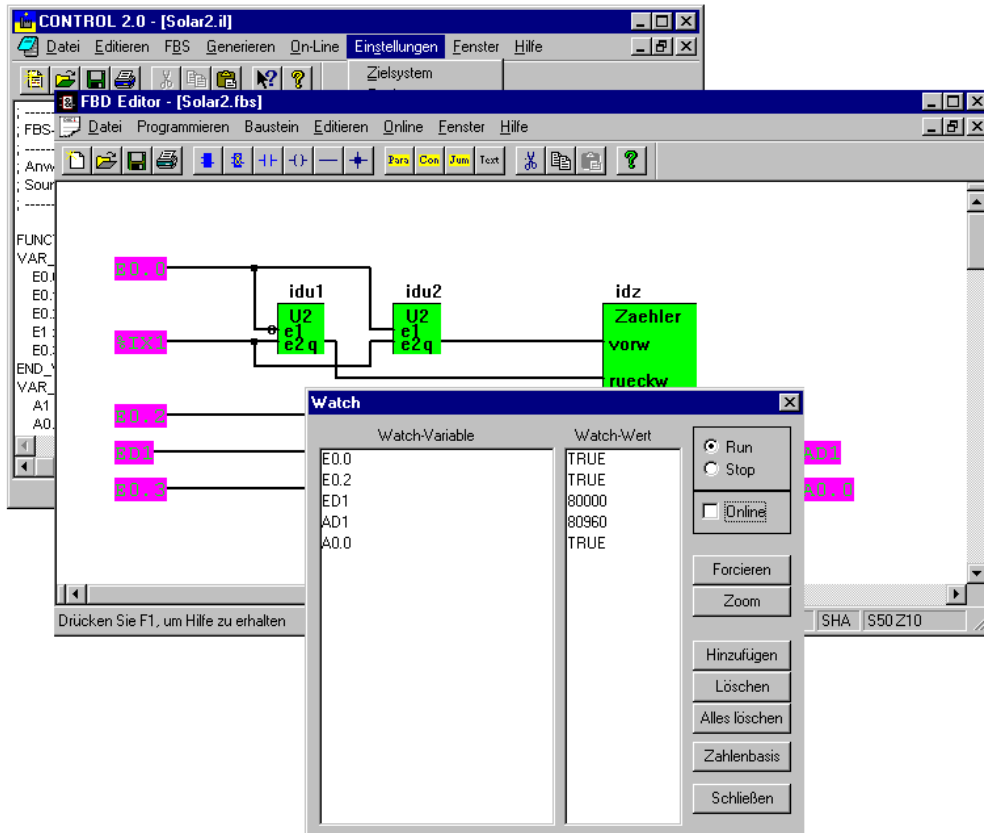


PMS Universal Programming Studio

Universal Programming Studio – your complete system solution for the embedded software development

The worldwide most versatile Integrated Development Environment



1 - The user interface of the PMS Universal Programming Studio

The most powerfull and versatile Integrated Development Environment

In the project explorer you can set up your projects in a structure of cascaded networks for example Ethernet - CAN - LIN. The switching between your multiprocessor projects is then done by a single mouse click.

All PMS StandOS operating systems react similar to the outer world

Because of the unique communication interface of the StandOS operating systems all kinds of controllers can communicate amongst each other and can be configured, programmed, tested and monitored by the same PMS PC tools. PMS StandOS is available for all popular microcontrollers, both CISC, RISC and DSPs.

Forget HAL and PAL

Now you don't need to implement the Hardware Abstraction Layer (HAL) and Processor Abstraction Layer (PAL) for your applications anymore. Because now StandOS is your HAL and PAL. In this way you can significantly reduce your programming efforts. StandOS offers the diagnostic services via Ethernet and field busses not only for development and testing, but also for the security and quality monitoring throughout the lifetime of your products.

Easy interfacing to all kinds of events

All kinds of timer interrupts, external and internal interrupts and events and the idle loop can easily be accessed in the organisation explorer by organisation blocks. And all digital and analog inputs and outputs can now be equally easily accessed by process variables for both reading and writing. Not only by your application but also via networks for other remote controllers and by the PMS diagnostic, debugging and testing tools.

Easy access to the textual and graphical modules

In the module explorer of UNIVERSAL PROGRAMMING STUDIO you can set up all modules belonging to the project. By clicking on the module you open the respective editor, which can be the build-in rich-text editor for C, C++, C# and assembler modules or the graphical editor modules.

The largest number of graphical editors

UNIVERSAL PROGRAMMING STUDIO offers you the largest number of graphical editors.

Interpreters offer target independency

The PMS IEC-61131-Interpreters offer you the advantage of hardware independency on all embedded systems equipped with PMS StandOS.



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