

NEWS

Page 1
**openSAFETY distribution 1.4
with new features**

Page 2
**Another milestone for
POWERLINK in China**

Page 3
**POWERLINK interface –
Three clicks and you're done**

Page 4
**October 29-30: POWERLINK
Certification / PlugFest**

openSAFETY distribution 1.4 with new features

openSAFETY distribution 1.4 is now available for download on SourceForge.

The openSAFETY protocol stack is immediately available in version 1.4 as open-source software for download from the SourceForge repository. Just like the predecessor version, this new distribution has been precertified by TÜV Rheinland up to SIL 3 in accordance with IEC 61508:2010. Using the openSAFETY stack drastically reduces the time and risk involved in development.

Another feature for reducing costs is the option of running the openSAFETY Configuration Manager (SCM) on non-safe hardware platforms. This makes it possible to forgo a dedicated safety controller. A version control system has also been introduced. The user can determine the version of the openSAFETY stack that should be used to run a component.

Additional support for developers is provided by the new, clearly structured Integration Guide, which goes much further than the previous manual and includes a step-by-step explanation of how to integrate the openSAFETY protocol stack into a safe device. Advanced configuration options have also been introduced. Vendors can now configure openSAFETY components using their own tools.

The new version of openSAFETY has migrated to SourceForge. Version 1.4 can now be downloaded at no cost from <http://sourceforge.net/projects/opensafety>. The following companies currently offer openSAFETY system integration: HMS, Hil-scher, MESCO, B&R, embeX, Wallner Automation and SYS TEC.

Contact:

EPSC POWERLINK-OFFICE
Bonsaiweg 6
15370 Fredersdorf · Germany
Phone: +49(0) 33439 539270
Fax: +49(0) 33439 539272
info@ethernet-powerlink.org
www.ethernet-powerlink.org

NEWS

Page 1
**openSAFETY distribution 1.4
with new features**

Page 2
**Another milestone for
POWERLINK in China**

Page 3
**POWERLINK interface –
Three clicks and you're done**

Page 4
**October 29-30: POWERLINK
Certification / PlugFest**

Another milestone for POWERLINK in China

Technology promotion center opens at Tianjin University of Technology

The POWERLINK Tianjin Technology Promotion Center is the newest addition to the Fieldbus Control Technology Center of Tianjin University of Technology and Education. It will provide companies and research institutions in the Beijing region with POWERLINK-based training, support and development services, as well as helping to facilitate the continued development and improvement of POWERLINK technology.



Dr. Xiao Weirong, vice president of POWERLINK Association China and university president Liu Xin unveil the nameplate for the new POWERLINK Technology Promotion Center in Tianjin.

"POWERLINK is cutting-edge open source technology, which gives it particularly rich prospects for the future," says Lu Shengli, director of the Fieldbus Control Technology Engineering Center at the opening ceremony within the framework of the POWERLINK Technology Exchange Conference. "We have decided to actively support the research and development of POWERLINK because we believe it is taking the right approach for the future." Following POWERLINK's specification by the Standardization Administration of China as national standard GB/T 27960-2011, this represents yet another milestone in the technology's success as the leading industrial communication standard in China.

After the promotion center's opening ceremony, more than 200 people attended the POWERLINK Technology Exchange Conference, where experts from Washing CNC, Maxsine, B&R, Shenyang Institute of Automation, KW-Software and Avnet Electronics introduced POWERLINK and openSAFETY technology, applications, FPGA-based implementations, control system software, redundancy development and hardware platforms. They also took time for in-depth technical discussions with conference attendees.

Contact:

EPSC POWERLINK-OFFICE

Bonsaiweg 6

15370 Fredersdorf · Germany

Phone: +49(0) 33439 539270

Fax: +49(0) 33439 539272

info@ethernet-powerlink.org

www.ethernet-powerlink.org

NEWS

Page 1
**openSAFETY distribution 1.4
with new features**

Page 2
**Another milestone for
POWERLINK in China**

Page 3
**POWERLINK interface –
Three clicks and you're done**

Page 4
**October 29-30: POWERLINK
Certification / PlugFest**

POWERLINK interface – Three clicks and you're done

Softing and Altera have made it considerably easier to implement an FPGA-based POWERLINK interface. Not only will users benefit from easier and more efficient engineering, faster implementation and greater hardware independence, but the chip and the software are available from the same source.

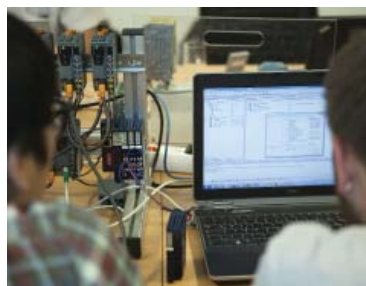


Implementing POWERLINK on the Altera chip is extremely easy with the new Softing solution.

"In the past, hardware and software had to be obtained separately," explains Frank Iwanitz, product manager at Softing. "With our new approach, we provide the customer with the complete package." The software licensing itself is tied to the chip.

The Softing solution is optimally integrated in the Altera software environment and can be scaled exactly to the requirements at hand. "The chip and software are harmonized to each other so well that POWERLINK can be implemented with just three clicks," says Stefan Schöneegger, managing director of the EPSG. Special FPGA programming skills are also not required. Independence from the hardware architecture is an additional advantage of this new FPGA-based solution from Softing. Connecting the FPGA using an external memory interface, for example, is no longer necessary.

October 29-30: POWERLINK Certification / PlugFest



The interoperability of POWERLINK devices from different manufacturers is verified at the EPSG PlugFest.

The next POWERLINK Certification / PlugFest will be taking place on October 29-30, 2014 in B&R's Salzburg office. During this event, newly developed products are tested to ensure conformity with the POWERLINK specification before series production is started. A product only receives EPSG certification after successfully passing all test scenarios and test cases.

These strict requirements guarantee a high level of quality for EPSG-certified POWERLINK products worldwide. During final PlugFest testing, all components are connected together in a large heterogeneous network with mixed topologies and tested using various master systems.

Contact:

EPSG POWERLINK-OFFICE

Bonsaiweg 6

15370 Fredersdorf · Germany

Phone: +49(0) 33439 539270

Fax: +49(0) 33439 539272

info@ethernet-powerlink.org

www.ethernet-powerlink.org