

## Safety – The KW-Software Solution

Safety-relevant software components according to IEC 61508 up to SIL 3 – KW-Software describes itself as the leading provider in this field. Boris Waldeck, Director Sales and Marketing, explains the next steps standing in line.

*Mr. Waldeck, following B&R in April, Bernstein has announced in October as second company to focus on the safety solution by KW-Software and to implement it into own products. Is it foreseeable that further providers will take over your solution?*

Waldeck: Please do not forget to mention Phoenix Contact beneath the companies B&R and Bernstein. Together with Phoenix Contact we have created the technological basis for our today's success. One result of this success is that the safe Interbus is now used in exposed projects in the field of automotive industry, for example for fender assembling. We could now also acquire Lenze Drives Systems GmbH as a further customer who will use our product SafeGrid.

*Up to now you provide SafeProg, a programming system for safety applications. What is behind SafeGrid, you are now introducing at the trade fair, and behind SafeConf which is still a prototype at this stage?*

Waldeck: With the programming environment SafeProg and the runtime system SafeOS we have developed a high-end solution for a flexible and free programmable safety control according to IEC 61508 (SIL3) and EL 954 Kat 4. However, there are a lot of companies which will put simple parameterizable safety devices on the market. For these devices combined with customer-developed safe runtime systems, we offer SafeGrid as a parameterization tool for safe small controls and drives. SafeConf and SafeOS are the access to the field of configurable small safety controllers. There are several safety functions which can be connected with each other. Our target markets are drive manufacturers but also providers of safe switching devices as these devices have to be configured using a screwdriver in many cases. Our end customer desires to realize this configuration by means of safe software in future.



Boris Waldeck:  
"We will fully support the PLCopen Safety Standard."

*At the fair, KW-Software presented the first library of PLCopen Safety function blocks. What does that mean to the user? How complete will this library be?*

Waldeck: The PLCopen workgroup Safety defines manufacturer spanning safe function blocks. Today, all manufacturers of safety controls program, for example, a proprietary Emergency Stop function. It's all water under the bridge now! Up to now, the PLCopen workgroup has defined about 20 function blocks. KW-Software will implement all PLCopen Safety function blocks – till the mid of 2006 we have 16 blocks on our road map. You can largely see these blocks already today at our stand at the trade fair.

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