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POWERLINK approved as Korean Standard

Open source communication for the future of Korea's smart factories

POWERLINK has become the first 100% open source protocol to be registered by the Korean Industrial Standard Commission under the KS C IEC 61158 and 61784 standards for industrial communication networks. The Ethernet POWERLINK Standardization Group (EPSG) plans to follow up on this accomplishment by founding a POWERLINK Korea User

Group in order to provide improved technical support and create a joint marketing platform for all partners in the region.

As manufacturer-independent, open source technology with no licensing fees, POWERLINK provides an international standard that will allow Korea's semiconductor, automotive, shipbuilding and renewable energy industries to create flexible, high-speed communication networks equipped to meet the challenges of smart factories and the industrial Internet of Things.

POWERLINK has been registered in a total of five Korean standards: KS C IEC 61158-3-13, KS C IEC 61158-4-13, KS C IEC 61158-5-13, KS C IEC 61158-6-13 and KS C IEC 61784-5-13.



Yniong Lee, managing director of B&R Korea (on left) receives certification of POWERLINK as Korean Standard from Sung-ho Hong, Professor at Hanyang University and head of IEC / TC 65 Korea.

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openSAFETY: Integration made easy

At the embedded world conference, SYS TEC, Hilscher, embeX, Wallner Automation and NewTec presented their latest developments for openSAFETY. These new developments allow the open source safety protocol to be implemented even faster. Cost reductions of up to 80% can also be achieved. Find out more in this video: <https://youtu.be/1VXNHhCasTc>

June 10-11: POWERLINK Certification / PlugFest

The next POWERLINK Certification / PlugFest will be taking place on June 10-11, 2015 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.

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No more hard wiring with openSAFETY

New openSAFETY operator panels from B&R allow safe data exchange over the bus system. The integrated openSAFETY interface renders the hard wiring of E-stop, operating mode and start buttons obsolete.

Simple cabling of swing arm systems

Settings up operator panels with several hard-wired switches and buttons by threading countless cables up through the swing arm system is nothing but a headache. openSAFETY operator panels, on the other hand, only require a bus and power connection. This means that these systems can be placed exactly where they are needed without having to deal with unwieldy cable harnesses. Commissioning and service are also simplified, saving additional money in these areas as well. The E-stop button is just as reliable as its hard-wired counterparts.

Arrange buttons and switches as needed

These operator panels manufactured according to customer specifications, allowing them to be tailored perfectly to any application. In addition to different display sizes and ratios, it is also possible to choose between various touch technologies. Just as configurable are the number and arrangement of buttons, switches and the E-stop button. The operator panels are also available in housings rated up to IP65. And to round it off, B&R can customize these devices for specific clients and offer solutions for specific industries, such as food and beverages.



openSAFETY control panels from B&R allow safety data to be transferred via the bus system.

EPSG at IEF in Milan

The publishing company Fiera Milano Media will be hosting their first Industrial Ethernet Forum on Friday, October 9, 2015. The goal of this Italian-speaking event is to provide participants a comprehensive overview of Ethernet-based industrial communication. As one of the main partners, the EPSG invites all its members as well as any other interested parties to take part in this event, which will be held at the IBM Technology Center in Milan. Additional information can be found here: <http://ief.mostreconvegno.it/industrial-ethernet-forum/>