Press Release

EtherCAT Technology Group publishes comprehensive 2014 Industrial Ethernet system comparison

The Industrial Ethernet system is the core technology of modern control architectures and is incredibly important in influencing the overall performance and costs of a plant. The decision to use the correct Industrial Ethernet system hinges on a review of the technology as well as the strategic features. In order to provide best practice information for selecting the right system, the EtherCAT Technology Group (ETG) has released a system comparison guide. This comprehensive document is intended to be one of the most detailed and informative publications of its type. In time for this year's Hanover Fair, the ETG has published a reviewed version of the Industrial Ethernet system comparison which is now available for download on www.ethercat.org.

The ETG document titled, "Industrial Ethernet Technologies: Overview and Comparison" gives valuable insight into today's most important Industrial Ethernet technologies. Based on publicly accessible material and supplemented by detailed background information, it explains the technological principles of the different approaches and compares them among each other. Additionally, strategic criteria such as the distribution of the systems and their stability are displayed. All technologies covered in the document are – such as EtherCAT itself – supported by user organizations. The systems compared are PROFINET, EtherNet/IP, CC-Link IE, SERCOS-III, Ethernet Powerlink, Modbus/TCP, and EtherCAT. The author of the document, Martin Rostan, Executive Director of the EtherCAT Technology Group, explained: "The goal of the study is to enable readers to make their own educated decisions based on well-researched information. The feedback to our previous version was very positive – with the updated version, the latest technology developments are now factored in, too."

The Industrial Ethernet system comparison from the ETG is widely regarded as one of the most detailed publicly accessible studies on this subject. As evidence, the document is one of the most frequently downloaded publications on the ETG website. The document in English language (and about 160 pages), "Industrial Ethernet Technologies: Overview and Comparison" is available for download now on www.ethercat.org/downloads.

Press Release

Press pictures

Picture caption:
Martin Rostan, Executive Director of the ETG, is author of the Industrial Ethernet system comparison as published by the EtherCAT Technology Group (ETG).

About EtherCAT Technology Group (ETG):
The EtherCAT Technology Group is an organization in which key user companies from various industries and leading automation suppliers join forces to support, promote and advance the EtherCAT technology. With over 2,700 members from 56 countries the EtherCAT Technology Group has become the largest fieldbus organization in the world. Founded in November 2003, it is also the fastest growing fieldbus organization.

About EtherCAT®:
EtherCAT is the Industrial Ethernet technology which stands for high-performance, low-cost, ease of use and a flexible topology. It was introduced in 2003 and has been an international IEC standard and a SEMI standard since 2007. EtherCAT is an open technology: anyone can implement or use it.

➔ For further information please see: www.ethercat.org

Press contact:

EtherCAT Technology Group
Christiane Heubusch
Ostendstraße 196
90482 Nuremberg
Germany

Tel.: +49 (0) 9 11 / 5 40 56 226
Fax: +49 (0) 9 11 / 5 40 56 29
c.heubusch@ethercat.org
www.ethercat.org/press