

PR082018

Achema

27th April 2018

Page 1 of 3

Beckhoff at Achema 2018 (Hall 11.0, Booth E43)

Integrated control systems for the process industries

PC-based control: Barrier-free communication from Zone 0 to the cloud

At Achema 2018, leading trade show for the process industries (June 11-15, Frankfurt, Germany), Beckhoff will present its open PC-based control technology for all vertical process industry markets. PC-based control enables the user to implement holistic solutions for barrier-free system integration through to Zone 0/20 with integrated communication capabilities from the sensor to the cloud.

To withstand increasingly tough market and cost pressures, the process industry needs future-proof automation solutions. The only way to implement these is through holistic system connectivity that overcomes the traditional separation between discrete automation and process automation. PC-based control technology from Beckhoff provides the ideal basis for this purpose.

With PC-based control, even distributed systems can be connected with little effort while enabling access to centralised and therefore highly efficient analysis and process control capabilities. Because of its interoperability, openness and integrated support of cloud-based services, the Beckhoff automation system is also ideal for implementing connectivity in production environments in line with current Industrie 4.0 and Internet-of-Things concepts. The user benefits across the board – from horizontal integration, even beyond enterprise boundaries, and vertical integration with connected production systems to consistent engineering over the entire equipment life span.

Beckhoff Automation GmbH & Co. KG

Huelshorstweg 20
33415 Verl, Germany
Phone: +49 5246 963-0
Fax: +49 5246 963-198
E-Mail: info@beckhoff.com
www.beckhoff.com

Press contact

Martina Fallmann
Jana Hägerich
Phone: +49 5246 963-140
Fax: +49 5246 963-199
E-Mail: press@beckhoff.com
www.beckhoff.com/press

PR082018

27th April 2018

Achema

Page 2 of 3

The Beckhoff approach also makes barrier-free control solutions from Zone 0/20 through to the cloud possible. In addition to standard automation components, a broad portfolio of products for use in hazardous areas is available. These include:

- ELX-series EtherCAT Terminals with intrinsically safe inputs and outputs for the direct connection of field devices located in Ex Zones 0/20, 1/21 and 2/22 (without separate intermediate barriers)
- ELX-series EtherCAT Terminals with additional TwinSAFE SC technology
- Multi-touch Control Panels and Panel PCs of the CPX series for use in Zone 2/22
- TwinCAT as the software platform with special interfaces and libraries for process technology, cloud communication via TwinCAT IoT, and cycle-synchronous data analysis via TwinCAT Analytics

➔ www.beckhoff.com/achema

➔ www.beckhoff.com/process

Beckhoff Automation GmbH & Co. KG

Huelshorstweg 20
33415 Verl, Germany
Phone: +49 5246 963-0
Fax: +49 5246 963-198
E-Mail: info@beckhoff.com
www.beckhoff.com

Press contact

Martina Fallmann
Jana Hägerich
Phone: +49 5246 963-140
Fax: +49 5246 963-199
E-Mail: press@beckhoff.com
www.beckhoff.com/press

PR082018

27th April 2018

Achema

Page 3 of 3

Press picture:



Picture caption:

PC-based control provides barrier-free communication in process industry applications – vertically from Zone 0 through to the cloud and horizontally inside and outside enterprise boundaries.

Text and picture:

www.beckhoff.com/press/pr082018