

Press Release

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Rexroth control one of the winners of the NoAE Innovation Competition 2009

IEC61131 PLC controls entire tightening processes



Rexroth's innovative idea: realizing entire tightening processes with one single PLC control

Rexroth is one of the 30 prize winners of the NoAE (Network of Automotive Excellence) Innovation Competition 2009. In the “Efficient and flexible production” category, a prize has been awarded to a total of ten innovations. Rexroth’s idea to integrate PLC logic according to IEC61131 into tightening control has been selected by an expert jury from more than 380 submitted innovations from about 20 countries. All prize-winning ideas distinguish themselves by high customer use and a high potential application into the automotive production area.

The Rexroth tightening system 350 offers a control with integrated PLC logic according to IEC61131. The IEC61131 environment allows for a standardized programming of all working steps directly linked to the actual tightening assembly. “For the first time, the logic integration enables our customers to automate work stations completely with one single tightening control. This leads to less components and savings on the installation and energy consumption”, says Heiko Schwindt, responsible for Rexroth’s tightening technology product division. Due to the integrated PLC with uniform engineering according to IEC

For product-specific queries:
Susanne Herzlieb
Phone: +49 9352 40-4552
Fax: +49 9352 403-4552
susanne.herzlieb@boschrexroth.de

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61131, it is easily and quick to reuse an existing system program to a new station.

Rexroth offers complete automation systems with application specific firmware for targeted industries. The power and function of the drive-, controller- or PC-based control systems architectures is scalable to specific machinery or line needs. All safety functions for the optimum protection of man and machine are integrated in the controls and drives from Rexroth. Energy-efficient control and drive systems from Rexroth offer the possibility to reduce the total costs of ownership every day of operation.

NoAE is a national automotive partner of "Kompetenznetze Deutschland" (Competence Networks Germany) by the German Federal Ministry of Economic Affairs and Technology. The Federal Minister for Economic Affairs and Technology of the Federal Republic of Germany, Dr. Karl-Theodor zu Guttenberg, is the patron of the NoAE Innovation Competition 2009.

Bosch Rexroth AG is one of the world's leading specialists in the field of drive and control technologies. Under the brand name of Rexroth the company supplies more than 500,000 customers with tailored solutions for driving, controlling and moving. Bosch Rexroth is a partner for industrial applications and factory automation, mobile applications and using renewable energies. As The Drive & Control Company, Bosch Rexroth develops, produces and sells components and systems in more than 80 countries. In 2008 Bosch Rexroth AG, part of the Bosch Group, achieved sales of around 5.9 billion Euro with 35,300 employees.

For more information please visit: www.boschrexroth.com

Reader Inquiries:

Tel.: +49 9352 40-4552
Fax: +49 9352 403-4552
E-Mail: susanne.herzlieb@boschrexroth.de
Adress: P.O. Box 1357, D-97803 Lohr a. Main
Internet: www.boschrexroth.com/dcc

For product-specific queries:
Susanne Herzlieb
Phone: +49 9352 40-4552
Fax: +49 9352 403-4552
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