

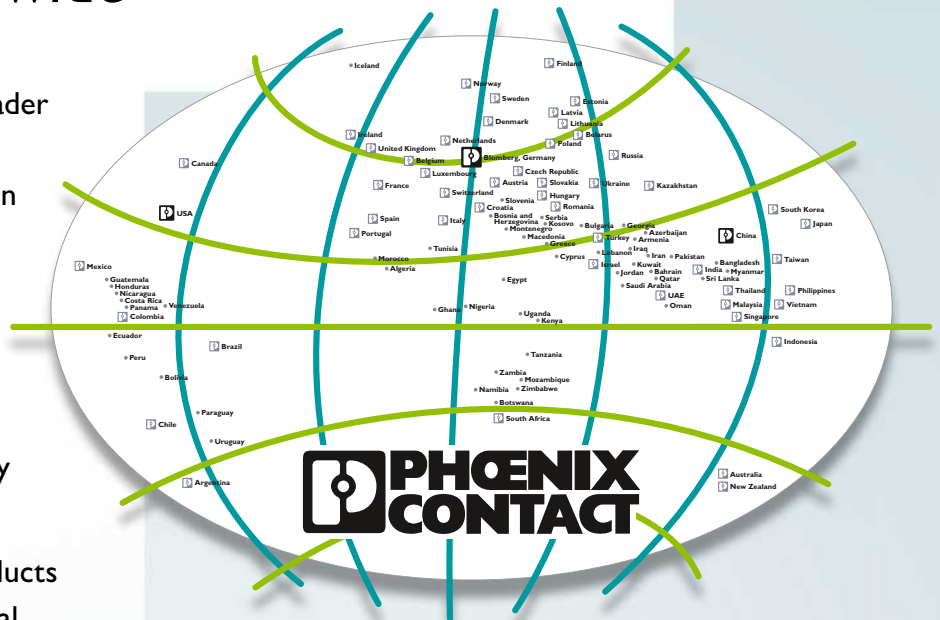
EduNet

Your partner for international higher education

PHOENIX CONTACT – In dialog with customers and partners worldwide

Phoenix Contact is a global market leader in the field of electrical engineering, electronics and automation. Founded in 1923, the family-owned company now employs around 14,500 people worldwide. A sales network with over 50 sales subsidiaries and more than 30 additional global sales partners guarantees customer proximity directly on site, anywhere in the world.

Our range of services consists of products associated with various electrotechnical applications. This includes numerous connection technologies for device manufacturers and machine building, components for modern control cabinets, and tailor-made solutions for many applications and industries such as the automotive industry, wind energy, solar energy, the process industry or applications in the field of water management, power transmission/distribution, and transportation infrastructure.



Global player with personal customer contact

Company independence is an integral part of our corporate policy. Phoenix Contact therefore relies on in-house competence and expertise in a range of contexts: the design and development departments constantly come up with innovative product ideas, developing special solutions to meet customer requirements. Numerous patents emphasize the fact that many of Phoenix Contact's products have been developed in-house.



Our shared task

Current developments in automation technology, such as Industrie 4.0 and the Internet of Things with its associated services, are having a global impact on higher education and vocational training and the use of technologies.

Industry and universities alike must face these challenges. The necessary developments of future-oriented solutions require a continuous sharing of information and close cooperation among the parties involved.

The International Education Network EduNet offers the perfect platform and infrastructure for intensifying information sharing and dialog. The expertise and qualifications of members in the network form a solid basis in order to be able to meet the requirements of the changing working world as it moves increasingly towards digitalization and informatization.

The goal is to work together to develop educational innovations and content and to test them out in the real world.



EduNet – International Education Network

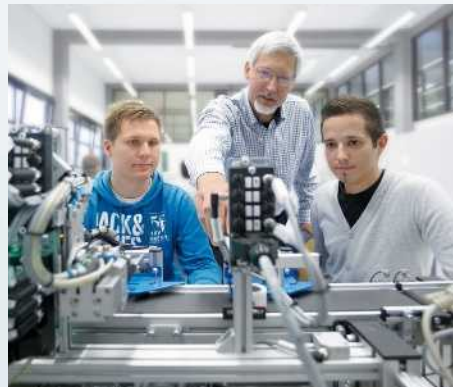
Through the International Education Network EduNet, Phoenix Contact promotes interaction and cooperation between universities and industry in the field of automation.

This network enables its partners to integrate current knowledge about automation technology from manufacturers and users into their instruction. EduNet supports a single standard and identical teaching methods in lessons with respect to automation topics.

Studying in jointly designed laboratories supports students of universities and universities of applied sciences in their transition to the working world.

Objective:

- Your finger on the pulse of the time: instruction in accordance with the current state of technology
- Easy to understand thanks to hands-on automation labs and curricula
- Foundational knowledge thanks to participation in hands-on training
- Cooperation from joint research and education projects
- Continuity from international symposia and hands-on training courses on current automation technology topics
- Joint development of documents using the Moodle-based learning management system ELMS (EduNet Learning Management System)



University

- Hands-on laboratories with state-of-the-art technology
- Moodle-based learning management system
- International symposia
- Training sessions for instructors that are free of charge
- International research projects
- Future selection of certified course offerings



EduNet

International Education Network –
a PHOENIX CONTACT Initiative



Students

- Specialist training using state-of-the-art technology
- Participation in certified courses of study
- Student exchange program
- Bachelor's and Master's theses
- International internships

Industry

- Highly-qualified graduates with the latest manufacturer and user knowledge
- Technology transfer
- Highly motivated training staff as partners
- Increased familiarity with technologies



phoenixcontact.com/edunet

Technology Competence Center: Training – Applied Sciences – Development

To effectively train technicians for certification in a practice-oriented manner, it is important that educational institutions have instructors with relevant professional and technological expertise along with labs that meet these needs.

The Technology Competence Center is set up using a three-level specialization concept. The basics and fundamentals are taught in the Training Center, major systems started up and serviced in the Application Center and processes optimized in the Development Center.

The Technology Competence Centers create an interface between education and industry – for an ideal transition to the working world.

Objective:

The Technology Competence Center deals with three main topics:

- The basic principles within individual technological fields are taught in the Training Center
- Complex functional systems are employed in the Application Center to provide students hands-on professional experience and certified training
- Existing technologies and processes are analyzed and optimized in the Development Center

Principle:

- Instructors from schools and universities
- Manufacturer and user knowledge are combined





Competence Center, Honduras

Our education partner IPC in San Pedro Sula uses a modular course concept to teach students and technicians from companies. Topics discussed include the following: industrial electronics, control cabinet manufacturing, safety technology and surge protection technology.



Competence Center, Shanghai

In the automation technology application center at CDHAW (Chinese-German University of Applied Sciences) at Tongji University in Shanghai, instructors and students analyze the functions of a production plant. Their work involves robotics and CNC technology with networking, visualization and automation technology.



Competence Center, Vienna

The FH Campus Wien University of Applied Sciences (Vienna) has a training and an application center. Hands-on lessons on the basic principles of safety engineering for machine and system safety, and applications from the photovoltaic sector, are taught in specialized laboratory classrooms.

Obtaining EduNet promotional and teaching materials

Technology-related posters on current topics in automation technology:



Basic technical equipment for the EduNet lab:



EduNet lab sign:



Becoming an EduNet member

Apply on the EduNet website by providing detailed information about your university:

- Department
- Persons responsible
- Curriculum

under www.phoenixcontact.com/edunet

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
32825 Blomberg, Germany
Phone: + 49 5235 3-00
Fax: + 49 5235 3-41200
E-mail: info@phoenixcontact.com
phoenixcontact.com