High-powered jobs.
With us! The electronics industry.

ZVEI consists of 1,600 companies from the electronics industry who occupy leading positions in industrial development. This is the place for technology, innovations, expertise and high-powered jobs.

Why not pursue a career in the electronics industry? Find out more at www.youtube.com/user/zveiorg

• Jobs with Thrill: Working Worlds 4.0
• Implementing Industrie 4.0: This is how it works!
The school pupils project
Industrie4.0@school

What is Industrie4.0@school?
- An interactive learning project at the David-Roentgen-Schule, a vocational school in Neuwied, Germany in cooperation with ZVEI
- Pupils demonstrate the working methods in a smart factory using an exhibit
- The exhibit shows a production scenario and explains the philosophy of Industrie 4.0

Why are we doing this?
- To motivate the specialists of the future for a career in the electronics industry
- To highlight future possibilities of the smart factory
- To prepare pupils for the emerging worlds of work

What does it look like?

Working on Industrie 4.0
- Mechatronics engineers (MES/robotics) – electropneumatics
- Electronics engineers (MES) – PLC, bus systems
- Mechanics (robotics) – manufacturing, CNC
- IT experts (cloud)

The learning modules

Module 1 • Robotics
setting up and programming robots

Module 2 • Manufacturing Execution System (MES)
identifying and recording data using RFID and Raspberry PI

Module 3 • PLC technology and network security

Module 4 • Database and communication

Module 5 • Web services and API

Module 6 • Enterprise Resource Planning (ERP)

Module 7 • CNC mill
setting up production for a customer-specific product (power bank)