

ZELTWANGER is preparing for Industry 4.0: The Learning Factory 4.0 project trains tomorrow's experts



The Learning Factory 4.0 will be officially handed over to the Ferdinand-von-Steinbeis School in Reutlingen by Minister Dr. Nicole Hoffmeister-Kraut on Friday, September 28, 2018.

(Reutlingen/Dusslingen, 09/25/18) With the “Learning Factory 4.0” project, the state of Baden-Württemberg is working together with local companies to promote realistic and high-tech training at a total of 16 vocational schools – one of them in Reutlingen. The Tübingen-based company ZELTWANGER has developed a system comprising four linked X-CELL automation cells for the Ferdinand-von-Steinbeis School which students can use to learn practical skills in areas such as manufacturing, assembly, material flow, quality testing, or digitization at the highest technical level. The Learning Factory will be officially handed over on Friday, September 28, 2018. In addition to local representatives from politics and business, the State Minister for Economic Affairs, Labor, and Housing, Dr. Nicole Hoffmeister-Kraut, is also expected to attend.

“Learning for the future” – for the students at the Ferdinand-von-Steinbeis School, this sentence will be part of everyday school life from October. In their Learning Factory 4.0, high-tech content will be taught under realistic conditions – with the production of small Lego cars. From robot teaching and handling the quality testing system through to the finished product – the trainees learn everything they need for day-to-day production 4.0 on the specially designed production line. “Digitization is the major topic everywhere and the Learning Factory provides the students with everything they need to know about Industry 4.0,” says Stefan Kiem, Project Manager of the Learning Factory at the Ferdinand-von-Steinbeis School.

Local companies investing in the future

Commissioning and production, assembly and material flow, quality testing and order processing – the Learning Factory 4.0 is similar to industrial automation solutions in terms of its structure and equipment. Technologies, equipment, and assembly are provided by various local companies. The Tübingen-based company ZELTWANGER Automation is taking on the lion's share of the Reutlingen Learning Factory. The technology and innovation leader in automation as well as leak and functional testing has taken on a leading role in the project, from planning and assembly through to commissioning. "Our system contains many components from different



market leaders and touches on all areas: image processing, control technology, robotics, drive technology, pneumatics, mechanics, and so on," says Tobias Schall, Project Manager of the Steinbeis Learning Factory 4.0 at ZELTWANGER. Practical and state-of-the-art – Schall believes the Learning Factory is the perfect way to prepare for professional life.

Continued success in the future requires employees who know their stuff

More than just processes and systems will be networked in the factories of the future – the main thing Industry 4.0 stands for is closer integration of mechanical engineering and electrical engineering with information technology. This requires training and further education opportunities that are based on the latest standards. If you want your production to be successful in the future, you need employees who are knowledgeable and well trained. The state of Baden-Württemberg has also recognized this: With a total of 6.8 million euros, the Ministry of Economic Affairs, Labor, and Housing is funding the establishment of 16 Learning Factories 4.0 at vocational schools across the state – one of them in Reutlingen. Working together with local companies will create a foundation for realistic and highly technological education at vocational schools.

ZELTWANGER Holding GmbH

Technology and quality leader

The Zeltwanger Group has established a well-respected position in the market with its modular assembly and testing systems, which can be constructed individually and flexibly. The main focus is on manually linked "one-piece flow" line concepts and ergonomic single-position systems. In addition, fully automated part carrier and robot-based assembly systems meet customer-specific requirements. The range includes leak testing systems, modular assembly systems, pin assembly systems, and polishing systems for ceramic substrate. For use in the medical and biotechnological field, systems are created in accordance with European and American standards and the "Good Manufacturing Practice" guidelines.