



Photo: Carola Gietzen

SOPHIA ENDRES SUCCESSSTORY NR.17

Bosch Rexroth

“At our site in Ulm, customers, partners, scientists and start-ups work together with Bosch Rexroth to develop concrete solutions, for example, to enable greater connectivity and sustainability in the factory of the future,” explains Sophia Endres in describing the role of the Bosch Rexroth Customer and Innovation Center at the Ulm Science Park. “The focus of these development efforts is on the digitalization of all automation technologies and hydraulics,” states the project manager for the CU.BE. The name “CU.BE” stands for the customer benefits that are gained from joint innovations, making it the ideal name for Bosch Rexroth’s Customer and Innovation Center.

Sophia Endres possesses significant expertise in the digitalization of various technologies and knows from experience how much potential this area harbors. After graduating from high school in her hometown of Lohr am Main,



Behind innovative inventions, their implementation and the companies that create them, there are always people with a passion for progress and development, who make these things their life-goals. They have the urge to turn ideas into reality, to improve on existing conditions, in the world in general and in their own lives.

she opted for a cooperative education program in electrical engineering at Bosch Rexroth. She completed the theoretical part of her studies at the DHBW in Mosbach and gained her first professional experience in manufacturing at our Lohr site, where she worked as a software engineer in the area of operating and test equipment. Her career at Bosch Rexroth then saw her switch to the mobile applications division, where she spent almost nine years developing software for the travel drives of mobile machinery. "We used agile development methods to improve the efficiency and sustainability of these systems," remembers Endres. This also resulted in her moving to Ulm. "Ulm is not just a technological hotspot but also has plenty to offer when it comes to recreational pursuits," stresses the 33-year-old project manager.

Her transfer to the CU.BE represented the start of a new chapter. From the outset, all associates were involved in the conceptual design of the new location. "I soon noticed how much I enjoyed the close contact with customers, and the head of the location offered me the chance to coordinate customer and partner meetings as well as events." Her extensive development experience proved invaluable in this role. "I understand the digital ideas and concepts of external partners and am able to direct them straight toward the right people in the company," states Endres in describing her duties. "With this role, Bosch Rexroth has opened up whole new perspec-

tives for my career, and I thoroughly enjoy meeting so many interesting people and helping them to bring their ideas to life." The CU.BE is currently home to 330 specialists and more than 50 students, many of whom are writing their bachelor's or master's thesis or are working toward their doctorate," says Endres. The CU.BE enjoys close links with Ulm University, the Neu-Ulm University of Applied Sciences as well as the regional start-up and techie scene.

The numerous projects have two main focal points: While much of the work concentrates on integrating the automation solutions into the Internet of Things and Industry 4.0 concepts, Bosch Rexroth also measures all new products and services by their contribution to achieving greater sustainability in application. "Not only do we develop solutions that allow annual carbon emissions to be reduced by many thousands of tons in one fell swoop, but we also look at gradual optimizations amounting to just a few kilowatts per component. However, since these components are used in large numbers all across the globe, the savings add up to a similar net result." The ideas behind these solutions are increasingly emerging from the CU.BE and started with a customer meeting organized by Sophia Endres.

www.boschrexroth.com

These people put their knowledge, passion, money and time into projects which then, ideally, meet with success. Concrete examples of success such as these are the best motivation!
You can find more regional success stories at:
www.nanuuu.de

