

University Management supports technician project

Four students from the Technical College in Siegen, in collaboration with Würth Elektronik, developed an energy-efficient Horticulture-system.

Around 100 spectators were present as students from the Technical College in Siegen presented their technician projects. Among the industrial partners supporting each project were AWS Schäfer, Weber Maschinenbau, Grundei, Albrecht Bäume, and Würth Elektronik.

The four-member technician team was advised by Daniel Petronelli and Christian Böttge for a period of six months to develop an energy-efficient horticulture system.

The endeavor was ambitious and required concept development up to a functional prototype. Critical components had to be identified and ordered. In addition, the selection of materials for the housing was a task at hand. The integration of control electronics and the choice of microcontroller were also important aspects. The group was faced with such questions and many others, having to evaluate and document each approach.

In addition to Daniel Petronelli and Christian Böttge, other colleagues provided strong support. Johann Waldherr advised the students on lighting recipes, and Raphael Specht provided improvement suggestions for the circuit board design. Together with the dedicated work of the future technicians and the active involvement of Würth Elektronik, the finished prototype was presented on the day of the presentation in the Audimax of the Technical College.

The instructor evaluated the project with an excellent grade, and the prototype can now be viewed in the display case on the first floor of Building D. We would like to thank our colleagues, the four-member team (consisting of Simon Berls, David Herman Lotz, Marvin Bachenberg, and Fabian Martsch), as well as the Technical College in Siegen for the fantastic collaboration.

