


studio spotlight

Design & Innovation Studio Quarterly Newsletter



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Feel free to forward this newsletter to colleagues, other teachers, school administrators, friends and neighbors.

 **Sign-up** and receive future issues.



Endress+Hauser's Design & Innovation Studio is open to educate and inspire the next generation of science, technology, engineering and math (STEM) leaders through interactive learning to supplement your classroom activities. The studio is equipped with Industry 4.0 technology and STEM-learning opportunities for K-8 and high school students.

For the latest Design & Innovation studio information, including our WISH-TV segment, check out our webpage: us.endress.com/Innovation-Studio.

News

We're on the move, again

Our Design & Innovation Studio has moved back to the Sales Center building at **1** 2350 Endress Pl, Greenwood, IN 46143.

This is a temporary move. The Innovation Studio will find its permanent home in Endress+Hauser's new Innovation Center building which broke ground on November 6, 2023, along Worthsville Rd. near US Hwy. 31. The new STEM lab is scheduled to open in August 2025.

Interested in taking a field trip to Endress+Hauser's Design & Innovation Studio? Visit our website to book a reservation.



us.endress.com/Innovation-Studio

Take a virtual 3D tour to see what we have to offer, thanks to help from our partner STEM Education Works!



stemeducationworks.com/industry-case-study-one



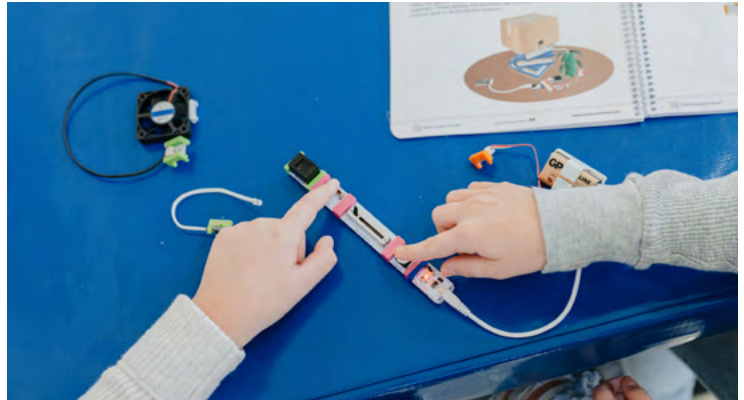
Endress+Hauser Innovation Center



Groundbreaking of Endress+Hauser Innovation Center, November 6, 2023

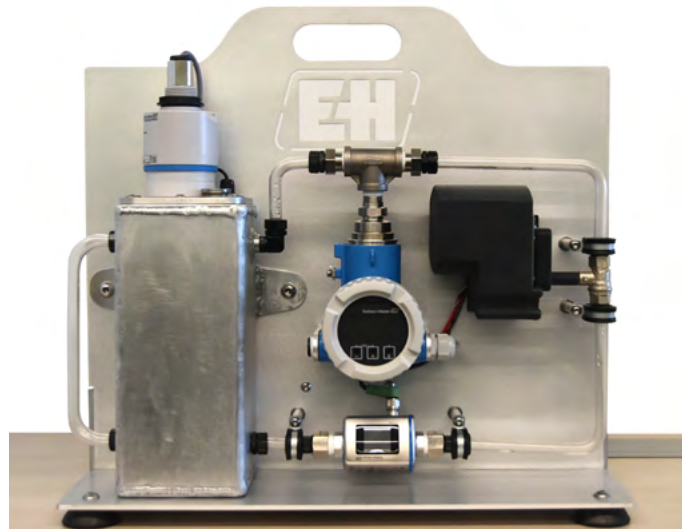
Successes

Since January 1, 2024, we have had over 800 students visit the Innovation Studio from five different school systems in the area!



A portable demonstration unit

We are thrilled to unveil another addition to our toolkit, a portable demonstration unit (PDU). Crafted by a talented group of engineers from the University of Dayton, this innovative PDU allows us to take portable working units directly to schools for engaging STEM activities. This device provides a tangible link to Endress+Hauser technology in the process automation industry within our Innovation Studio.



Fun facts

In 2023, Cummins Inc. had several different visits to Endress+Hauser's Innovation Studio on the Greenwood campus to gather input on whether to apply for their IN-MaC Grant.

In partnership with Purdue Indiana Next Generation Manufacturing Competitiveness Center (IN-MaC), Cummins Inc. recently established their own Design and Innovation Studio on April 22, 2024. This dedicated learning center, equipped with Industry 4.0 technology, offers STEM-learning opportunities for students and educators in Bartholomew County, Indiana. The studio features additive manufacturing, robotics, coding, engineering design, microelectronics, and dynamic STEM modules. The studio model has been implemented in 68 dedicated STEM learning environments in K-8 schools across Indiana, with plans to expand to 87 by 2025. By providing access to Industry 4.0 technology and industry experts, Cummins and Purdue are challenging outdated perceptions of manufacturing and inspiring high-tech careers in local communities.



Read more >> [Cummins, Purdue IN-MaC partner to inspire future workforce, bring access to next-gen manufacturing - Purdue Polytechnic Institute](#)

Automated hydroponic farming system

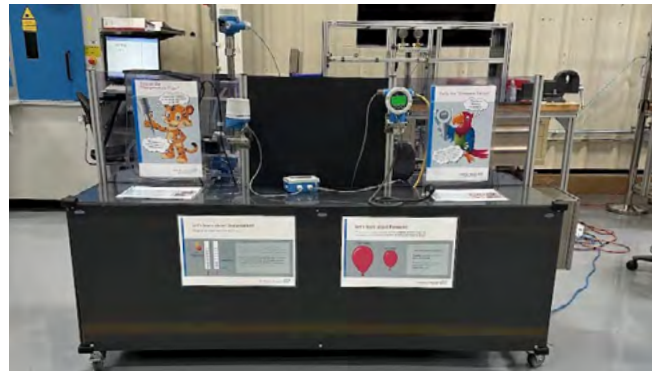

Our talented interns are undertaking an exciting project to create an automated hydroponic farming system. In collaboration with Rockwell Automation and Fork Farms, they are developing a cutting-edge system that leverages Endress+Hauser instrumentation. The end goal of the project is total automation, which will eliminate the need

for constant human operation. We're proud to partner with C-9, a local vocational school, to enhance agricultural education through our innovative hydroponic system to foster STEM education. Along with C-9, we plan to have a working system setup in our new STEM lab within the Innovation Center following its opening in 2025.



A learning display to foster STEM interest

This summer, some of Endress+Hauser’s Greenwood interns are collaborating on a group project to create a learning display unit targeted towards children ages 5–13 to be utilized in the Innovation Studio, inspired by exhibits at the Indianapolis Children’s Museum. To contribute to our continuous efforts toward sustainability, they are reusing spare/scrap devices and majority spare materials to create the unit. The goal of the project is to foster STEM interest and engagement for young children and introduce them to Endress+Hauser products in an educational manner, and the display will be housed in the Innovation Center upon its completion.





10th Annual Community Career+Education Forum

Save the date:
 Thursday, September 19, 2024
 5:30 to 8:30 p.m.

Endress+Hauser
 2355 Endress Place
 Greenwood, Indiana 46143

Promote CCEF
 >> details at ccef-stem.com



Reminders

Contact us by email at: innovationstudio.us@endress.com

Make a reservation for your class to come check out the Design & Innovation studio!

In partnership with:



www.addresses.endress.com
