

# MEP SUCCESS STORIES



**HANS PETER BLASER**  
GENERAL MANAGER,  
ENDRESS+HAUSER  
FLOWTEC USA

"The partnership between Purdue and the Endress+Hauser Flowtec Division has sparked a complete mindset change among all of our associates at the Greenwood facility. The training to implement Lean Manufacturing, Continuous Improvement, and the Kaizen team-focused principles is creating awareness among our supervisors and team leaders that there is an easier and more effective way to deliver training. Our employees are now fully committed to changing our facility for the better and to improving operations."



MANUFACTURING  
EXTENSION PARTNERSHIP

## MANUFACTURING EXTENSION PARTNERSHIP ENDRESS+HAUSER FLOWTEC USA, GREENWOOD, IND.



### PARTNERING FOR A MORE PRODUCTIVE FUTURE

**"WE ARE EXCITED ABOUT HOW OUR EMPLOYEES HAVE RESPONDED IN BECOMING MORE PRODUCTIVE AND EFFICIENT. THIS PARTNERSHIP WITH PURDUE HAS BEEN A HUGE SUCCESS."**

**JEFF GRIFFIN**  
QUALITY ASSURANCE MANAGER,  
ENDRESS+HAUSER FLOWTEC USA

Pictured: Ronda L.

# TRAINING PARTNERSHIP YIELDS GLOBAL DIVIDENDS FOR FLOW SENSOR MAKER

The Swiss-based Endress+Hauser Group is a global leader in measurement instrumentation, services and solutions for industrial process engineering with more than 8,400 employees worldwide.

The company, which has facilities in Europe, China, India and the United States, manufactures sensors, instruments and systems for level, flow, pressure and temperature measurement as well as liquid and gas analysis and data acquisition.

The Endress+Hauser Flowtec Division completed a \$20 million production and calibration facility in Greenwood, Ind. To improve and formalize training efforts at the new facility, Endress+Hauser tapped the Purdue Manufacturing Extension Partnership.

The goal: Implement Lean Manufacturing principles at Endress+Hauser as the next logical step in its continuous improvement process. Purdue experts spent a few days each week over a 10-month period coaching all Endress+Hauser employees and supervisors on ways to improve and refine production and distribution operations.

Employees received a total of 3,200 training hours through the program. The results have been immediate and significant:

- As part of a final assembly redesign project, areas of workflow, batch reduction implementation and station layout were reexamined. Result: The team experienced a 48% reduction in processing time.

- A 5S evaluation of a Coriolis workstation revealed significant operator travel time was required for single-unit production. By targeting the areas of point-of-use storage (POUS) and process layout, the unit saw a 70% drop in operator movements and a 24% reduction in unit cycle time. Result: 1,200 more meters are produced annually.
- Overall production output has increased 20% across the facility without boosting employment, while keeping quality and delivery performance at their highest levels.
- Employees have made more than 400 continuous improvement and Lean Manufacturing suggestions — known as “events.” These have directly benefited the bottom line and include improvements in workplace layout and safety, just to name a few.

“These types of performance increases and efficiency improvements are mandatory for Endress+Hauser to remain competitive at its U.S. production facilities rather than moving to so-called ‘low-cost countries,’ as many other manufacturers do.”

— **Hans Peter Blaser, General Manager, Endress+Hauser**

## ABOUT MEP

The Purdue Manufacturing Extension Partnership (MEP) provides high-value solutions that help Indiana businesses maximize their success by increasing profits, reducing costs and implementing growth systems. Purdue MEP, a business unit of the Purdue Technical Assistance Program (TAP), serves manufacturers throughout the state of Indiana by implementing continuous improvement principles in the areas of productivity, growth and technology. Purdue MEP has helped businesses collectively achieve over \$1 billion of economic impact since 2005.

## CONTACT US:

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