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## NEXUS ENGINEERING GROUP SUPPORTS GRADUATING COLLEGE SENIORS BY HELPING WITH FINAL CAPSTONE PROJECT

Four Case Western Reserve University College of Engineering graduating seniors work directly with professional engineers to solve real world problem required towards getting their degrees

**Cleveland, OH** - Engineers from Nexus Engineering Group, in cooperation with Case Western Reserve University School of Engineering, worked with four graduating seniors with their required Senior Capstone project to earn their bachelor of science degrees in engineering.

All graduating seniors at CWRU School of Engineering are required to participate in a real-world design project in order to graduate. During the 12-week program, students are assigned to local companies that agree to participate and share their resources and expertise with those entering the engineering field. Students are required to solve a real design problem in an actual application in a team environment using what they've learned in the classroom. They are expected to use their tools, ask questions and manage a project as if in a real world setting.

The engineers at Nexus offered support, guidance and their expertise as advisors to the student team to come to an agreed solution. The student team then presented the "plant optimization solution" to a group at Nexus staff acting as the specialty chemical manufacturing client. The students came up with the same solution as the chemical engineers from Nexus who originally managed the project.

"It's exciting and rewarding to advise students how to solve real-world problems directly from the field," says Jeff Herzog, president of Nexus Engineering Group. "It gives them a glimpse of what to expect in their careers as engineers," says Herzog. "Not only does it help them graduate, but it allows us to support our profession, our industry and encourages proper project management skills."

The Senior Capstone project requirement at Case Western Reserve University is part of the SAGES curriculum. The Seminar Approach to General Education and Scholarship (SAGES) provides a foundation in critical thinking, written and oral communication, the use of information, quantitative reasoning, engagement with ethical issues and diversity, and exposure to experimental and theoretical approaches to understanding human culture and behavior, scientific knowledge, and methods of research.

The four CWRU students participating with the Nexus engineers were required to demonstrate critical thinking and writing skills, have regular oversight with their Capstone advisor, use periodic reporting of progress and an oral presentation to qualify for graduation. Working with and advising students is one of the many ways Nexus Engineering Group supports the engineering profession and contributes to the local community.

## About Nexus Engineering Group LLC

Herzog and his partner Marianne Corrao formed Nexus Engineering Group in 2005 and have sustained continuous growth since founding the firm. Nexus has challenging career opportunities for engineering and design professionals. We are looking for talent ready to tackle our clients' business problems with creative, practical and technically sound solutions.

Nexus Engineering Group LLC, headquartered in Cleveland, and with offices in Maumee, Ohio and Houston, Texas, is a full-service, independent engineering firm focused on supporting a select group of successful clients. Since 2005, Nexus has earned repeat business and praise from those clients in the refining, petroleum midstream, chemical, manufacturing and utilities industries.

With more than 100 professionals on staff, the Nexus team includes experienced process, instrumentation and controls, structural, civil, electrical, mechanical, and piping professionals with decades of conceptual and detailed system design, start-up, operating and construction and project management experience. Nexus supports the team with proven design and project practices, state-of-the-art software and innovative design tools

Get to know us and you will agree that Nexus is not your typical engineering firm - *"We think differently"*. For more information, visit [www.nexusegroup.com](http://www.nexusegroup.com)



*Case Western Reserve University Senior Capstone Project Candidates at Nexus Engineering Group Headquarters.*

*Left to right - Ashley Yarus, Katharine Fechner, Andrea Kirk, Jason Pickering*

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