



## Great Oaks Career Campuses Advanced Manufacturing Training Center Cincinnati, OH

Once requiring little advanced level training, students now entering a profession in manufacturing are required to have a high level of knowledge in engineering and technology in order to solve complex problems. In response, the goal of Great Oaks was to transform the traditional loud and dirty manufacturing high bay into a high-tech, open, and collaborative training center.

Located in a peripheral wing of the main education building on the Scarlet Oaks Career Campus, the 1970s industrial aesthetic of the existing facility lacked a clear point of entry, spaces were disconnected from one another, had limited daylight and views out, and lacked areas for group gathering and collaboration. The new design transformed the overall identity of the facility, connecting career-related and academic learning spaces to improve the overall function and accessibility and maximize use of the existing facility, improve safety and security, and introduce daylight and views.

A new entry lobby space and gallery commons provide an introduction to the field of robotics and advanced manufacturing, while also providing places for students to gather, and share ideas. Large glass openings provide



views into instructional spaces and the high-tech robotics and manufacturing clean lab. Openings were also cut into the existing exterior to allow for some daylighting and views. The classrooms are directly connected to the clean lab to allow for flexibility in types of learning, including collaborative groups and individual instruction.

The site was also redeveloped to improve the overall use and function of facility. The expanded entry plaza and new building entry improve accessibility to the building and enhance the sense of arrival. The dynamic perforated metal entry wall serves as an iconic element that is easily identifiable to visitors as they approach the building from the main campus drive.



### Remodel/Adaptive Reuse/ Restoration

#### Career-tech/voc-ed

#### MSA Architects

314 W. 4th Street · Cincinnati, OH 45202  
www.msaarch.com  
Dwayne Boso, AIA • 513/241-5666

#### DESIGN TEAM

Michael Schuster, FAIA LEED AP, Design Strategy  
Chris Patek, AIA LEED AP, Project Architect  
Jamie Owens, Associate AIA, Design and Production  
Sarah Eingle, IIDA, Interior Design  
Dwayne Boso, AIA, Principal-in-Charge

#### OWNER/CLIENT

Great Oaks Career Campuses  
Cincinnati, OH  
Jeff Johnson, Director of Business Operations  
513/612-3604

#### KEY STATS

Grades Served: 11-12, Adult Training  
Capacity: 100  
Size of Site: 0.37 acres  
Building Area: 183,600 sq. ft.  
Space per Student: 160 sq. ft.  
Cost per Student: \$27,500  
Square Foot Cost: \$172  
Project Cost: \$2,750,000  
Completion Date: October 2015

PHOTOGRAPHY: JH PHOTOGRAPHY; MSA ARCHITECTS

