



WORLD CENTER FOR
CONCRETE TECHNOLOGY

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IN THE CREATION OF THE
WORLD CENTER FOR CONCRETE TECHNOLOGY

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MISSION STATEMENT

The mission of the World Center for Concrete Technology (WCCT) is to provide leadership, advancement and mastery of concrete technology through education, training, research, testing, information management and communications. This will be accomplished by securing shared participation, cooperation, assistance and support of all those interested in concrete technology worldwide.



THE WORLD CENTER FOR CONCRETE TECHNOLOGY

A US \$7 million premier research and educational facility, the WCCT is a partnership between the concrete and concrete products industries. Located on the campus of Alpena Community College in Alpena, Michigan, the WCCT offers 42,360 square feet (3,897 square meters) of fully equipped, technologically advanced research and teaching facilities.

The purpose the WCCT is to advance the interests of the concrete and concrete products industries - CMU, pipe, precast, prestress, cementitious materials and ready-mix through specialized services:

- **academic degree programs**
- **workforce training, development and certification programs**
- **confidential research**
- **testing facilities**

Alpena Community College has a reputation in concrete technology earned by more than 40 years of employee training through the Blockmakers Workshops® series and more than 30 years of graduating highly-skilled men and women through the Concrete Technology degree program. The WCCT is building on this solid foundation to meet an even broader range of industry needs.



1 IN CONCRETE EDUCATION

Alpena Community College's Associate of Applied Science Degree in Concrete Technology was originally developed in the late 1960's through the Portland Cement Association. Students in this program learn about all aspects of the concrete industry, through a very specialized internship, and other related topics. Upon graduation the successful Concrete Technology student is well versed and prepared for a variety of opportunities throughout the concrete industry.



PARTNERS COUNCIL

The WCCT is dedicated to meeting specific needs of the concrete and concrete products industries through its services and facilities. An advisory group, the Partners Council, is committed to providing insight and expertise regarding those needs.

PARTNERS COUNCIL MEMBERSHIP

ALPENA COMMUNITY COLLEGE
Founding Partner

BESSER COMPANY
Founding Partner

W.R. GRACE & COMPANY
Founding Partner

LAFARGE CORPORATION
RINKER MATERIALS CORP.

OLDCASTLE APG

BASF ADMIXTURES

TARMAC
A Titan America Business



ACADEMIC DEGREES

Servicing the hiring needs of the concrete industry for over 35 years, the Associate in Applied Science Degree in Concrete Technology continues to grow. Graduates of this very unique program that is based on the science of concrete and concrete materials fill diverse positions throughout the concrete industry. Employers continue to see the value of this education with most students receiving numerous employment offers upon graduation. Many employers annually recruit on campus and have several graduates on their staff.

Summer Co-op is a major reason for the program's continued success. A 10-week summer employment program runs between the student's first and second year and gives the students "real life" experiences and employers an opportunity to preview possible future employees.

In order to continue providing highly skilled and well-trained employees, additional educational options and degrees are being explored. Through a grant from the NCMA Education and Research Foundation, a new degree program in Concrete Masonry Plant Operation is being added.



BLOCKMAKERS WORKSHOPS®

Since 1954 more than 12,750 students from over 58 countries have completed one or more Blockmakers Workshops. These three-day and five-day workshops offer a unique educational and training opportunity like none other in the concrete masonry industry. Participants coming from a variety of industries—including concrete products, cement, aggregates and admixtures—benefit from the “hands-on” training offered by the World Center for Concrete Technology (WCCT). A fully automated and state-of-the-art premier facility, WCCT has classrooms and laboratories second to none.

MASTER BLOCKMAKER™ CERTIFICATION

This is a title only 150 students in the concrete masonry industry can claim. Students must complete five specific Blockmaker Workshops to attain this advanced knowledge certification.

To learn about becoming a Master Blockmaker or to get more information and current workshop schedules, visit us at www.WCCT.net.



As you know, we send more employees to your Blockmakers courses than anyone else in the country. We are committed to operational excellence and have found that the training provided by the WCCT is the most applicable training available to our employees who aspire to improve their skills. When employees return to work after a week of training, the positive feedback is overwhelming. They are almost always eager to jump in and show the others what they learned. I must say that every employee returns a more knowledgeable and productive individual and it shows. They seem to enjoy the positive learning environment and the interaction with others in the class, most with similar jobs and common problems from other block producers around the country. We are a much better company as a result of the continued training offered to our employees at WCCT. Our goal is to have as many master blockmakers as possible working in our plants!

—Kurt Trump
General Manager, TARMAC



WORKFORCE TRAINING

Workforce training is one of the major functions of the WCCT. This tradition began over 45 years ago with the popular Blockmakers Workshops series.

The WCCT is continuing to develop programs that satisfy the education and training needs of the concrete and concrete products industries. Programs such as the following are examples of how WCCT is working with industry to service their training needs:

“Plant Integration for Concrete Masonry Production” is a three-week training course designed to jumpstart new employees with intense block-making equipment procedures along with material evaluation. This course has also proven valuable to long-term employees who just need a refresher course.

“Besser/Lithibar Cuber Training” is a three-day course on automatic and semi-automatic cubers. With today’s sophisticated controllers, this training is invaluable to every employer.

In today’s computer world, online training is performed by most industries. The WCCT continues to expand its online training programs with more to be added. Though not for everyone, courses offered by WCCT provide excellent training opportunities from your office or home.

To find out how WCCT can help with your specific training needs, contact us at www.WCCT.net.



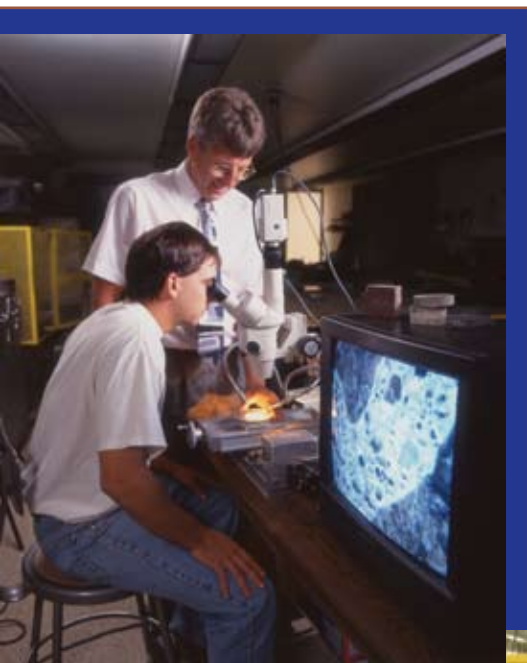
BASF Admixtures, Inc. (formerly Degussa) is just one of the companies that puts to use the entire facility for its own testing and training. Robert Ryan, product line manager, said the company has rented the World Center for Concrete Technology’s testing lab, production plant, and classrooms. “We could easily do it here in Cleveland, Ohio but, what’s great about the WCCT is the great college facility—the classrooms, Eric, Bob and their team of experts—we talk about something then walk 100–200 feet to the plant and put it to practical use.” Ryan said “It’s more conducive to training—without interrupting production schedules...”

—Robert Ryan
Product Line Manager
BASF Admixtures, Inc.

RESEARCH AND TESTING

From new product evaluation to the use of an industrial waste stream, the WCCT can help you with your project. Using its fully automatic concrete masonry production facility, WCCT can evaluate your product or material in a “real world” environment. After production, your product can be tested using lab facilities, which utilize the latest industry standards and equipment.

WCCT continues to work with various companies around the globe in both wet and dry cast production to assist them in introducing new materials and products to the industry. Confidential research on proprietary matters or projects requiring special expertise is a customary function of the WCCT.



**SHOW YOUR
DEDICATION TO
AN ORGANIZATION
WHOSE SOLE
PURPOSE IS
TO KEEP THE
CONCRETE
INDUSTRY
STRONG:**

Only with the support of industry can the WCCT continue to help make our industry strong. As a unique resource, the WCCT is the foundation for education and training for all aspects of the concrete industry. Through its unique approach to education and training, the WCCT brings the classroom into the real world and the real world into the classroom.

Show your support for the World Center for Concrete Technology by joining the “Partners Council” with a minimum donation of \$50,000 or the newly formed “Partners in Progress” membership with a pledge of \$1,000 (minimum annually). Other donations to the WCCT such as equipment, supplies and lesser dollar amounts are always welcome and may be tax deductible.





We invite your participation as a client and supporter of this unique public and private sector partnership. Contributions by corporations, individuals and foundations which file United States tax returns may qualify for certain benefits.

750 Woodward Avenue
Alpena, Michigan 49707 USA
ph: (989) 358-7238
fax: (989) 358-7562
email: wcct@alpenacc.edu
web site: www.wcct.net