

Klein & Hoffman Places Among 100 Best Places to Work in Chicago

Architectural and structural engineering firm Klein & Hoffman placed 35th on the list of the 100 Best Places to Work in 2019 in Chicago, IL, by *Crain's Chicago Business*, with rankings based on employee surveys. The firm placed 81st on the list in 2018. The final rankings were revealed at an event on April 11, 2019, at the Radisson Blu Aqua Hotel in Chicago. Klein & Hoffman employs over 50 architects, engineers, inspectors, and support staff. Notable Chicago preservation work includes buildings such as the Shedd Aquarium and the Drake Hotel.

Terex Advance Holds Annual Service School

Terex® Advance held their 2019 annual service school over the course of two days in February in Fort Wayne, IN. The aim of the service school is to support Terex Advance customers by training technicians to properly diagnose and repair the company's concrete mixer trucks in the most timely and efficient manner possible. Over 100 technicians participated this year. The first day of training included sessions on topics ranging from engine repair to disc brakes, axles, and chassis. On the second day, Terex Advance's team of engineers held a panel discussion with attendees to gain a better understanding of the problems technicians come up against in the field.



Tarlton Wins 2019 JLT Build America Award from the Associated General Contractors of America

Tarlton Corporation, St. Louis, MO, won the 2019 JLT Build America Award in the "Building Renovation Under \$10 Million" category for their work on the 7000 ft² (650 m²) Stephen and Peter Sachs Museum for the Missouri Botanical Garden. The Build America Award is sponsored by the Associated General Contractors (AGC) of America, and recipients are chosen by a panel of other contractors. Judges look for projects that have "excelled in state-of-the-art advancement; project management; innovation in construction



Stephen and Peter Sachs Museum, Missouri Botanical Garden, St. Louis, MO (photo courtesy of Missouri Botanical Garden, Tom Incrocci)

techniques or use of materials; safety; client service; community relations; environmental sensitivity and partnering." This marks the fifth occasion in recent history that Tarlton has received a Build America Award.

The Sachs Museum, which is listed on the National Register of Historic Places, had been closed to the public for more than three decades prior to the renovation. It was originally opened in 1859 by Henry Shaw, a businessman and philanthropist, and served as the botanical garden's first scientific research facility, library, and herbarium. In addition to the renovation, which included restoring historic finishes and completing structural improvements, Tarlton built a two-story, 2000 ft² (185 m²) addition that provides accessibility to the museum. The 2019 award was presented April 2 at the AGC's 100th annual national convention in Denver, CO.

Built Robotics and Sunstate Equipment Partner in Autonomous Equipment Rentals

Built Robotics and Sunstate Equipment have formed a partnership to rent out autonomous construction equipment to contractors around the United States. Built Robotics develops autonomous equipment, including skid steers, compact track loaders, excavators, and bulldozers, while Sunstate Equipment rents out construction equipment. The partnership between Built and Sunstate is supported by Sumitomo Corporation of Americas, the parent company of Sunstate, and by its venture capital arm, Presidio Ventures, an investor in Built.

Under the partnership agreement, Sunstate will rent out equipment that has been upgraded through Built to operate autonomously. Built designs and manufactures a kit to upgrade off-the-shelf equipment from any brand. The kit allows remote equipment operators to upload job files, at which point the equipment can complete the work on its own. Sunstate will strategically select equipment from its fleet to



upgrade and make it available for customers. The upgraded equipment can then be run using Built's autonomous software.

Built and Sunstate will work to ensure that customers' personnel receive comprehensive training to run autonomous equipment safely and effectively. Every piece of autonomous equipment uses a three-layer safety system that includes: sensors such as cameras and lidar to avoid pedestrians, vehicles, and other obstacles; a geofence, which confines movement of equipment to a designated zone; and hardwired and wireless emergency stop buttons, enabling the remote equipment operator to stop the vehicle instantly at any time.

Sunstate will begin offering Built-upgraded autonomous equipment to select customers in late 2019 or early 2020.

ACEC/M Recognizes Michigan's Top Engineering and Surveying Projects

The American Council of Engineering Companies of Michigan (ACEC/M) hosted their annual Engineering and Surveying Excellence Awards ceremony on March 2, 2019, at Sound Board in MotorCity Casino Hotel in Detroit, MI. The awards recognize outstanding Michigan engineering and surveying projects from the past year as well as Michigan engineering professionals.

The Engineering Eminent Conceptor Award—the most prestigious award—went to the team that worked on the Ypsilanti, MI, American Center for Mobility (ACM) project. The team comprised WSP Michigan Inc.; HNTB Michigan, Inc.; Mannik & Smith Group, Inc.; and NTH Consultants, Ltd. ACM is a nonprofit facility that develops testing, education, and products designed to enable safe validation and self-certification of connected and automated vehicle technology and to accelerate the development of voluntary standards. ACM sits on over 330 acres (130 ha) of land. The project included the use of repurposed MDOT right-of-way along US-12 to complete the approximately 3 mile (4.8 km) highway loop, development of a boulevard and urban corridor, development of a 700 ft (210 m) roadway tunnel, and deployment of connected technologies. Design and

construction were completed in 12 months.

Five firms were honored with an Engineering Honorable Conceptor Award for their work on Michigan projects. They were:

- Alfred Benesch & Company—Interstate 75 (I-75) over the Rouge River in Detroit;
 - Beam, Longest and Neff—Gordie Howe International Bridge Acquisition + D4 Engineering Consulting project in Detroit;
 - DLZ Michigan, Inc.—Marquette Hospital transportation improvement in Marquette;
 - Ruby+Associates, Inc.—new GM truck-manufacturing body shop in Flint; and
 - NTH Consultants, Ltd.—using HDD to mitigate sinkhole risks project in Southfield.
- Engineering Merit Awards were presented to:
- Giffels Webster—Beacon Park in Detroit;
 - Byce & Associates, Inc.—Clemens Food Group Waste Water Treatment Plant in Coldwater;
 - Fleis & VandenBrink Engineering, Inc.—Engineering Shapes Downtown Identity project for the City of Hudsonville;
 - Hubbell, Roth & Clark, Inc.—Geddes Avenue reconstruction in Ann Arbor;
 - Harley Ellis Devereaux—LIFT/IACMI Lightweight Institute in Detroit;
 - Nowak & Fraus Engineers—old Woodward Avenue reconstruction in Birmingham;
 - Johnson & Anderson, Inc.—Port of Monroe Terminal in Monroe; and
 - OHM Advisors—Rogell Drive reconstruction at Detroit Metro Airport.

Two firms were honored with a Surveying Honorable Conceptor Award:

- Anderson, Eckstein & Westrick, Inc.—Sterling Heights GIS Data Build; and
- Fleis & VandenBrink Engineering, Inc.—Integrating Surveying: An Innovative Approach to CIP project for the City of Albion.

A Surveying Merit Award was presented to Wightman for the Rose Park Veterans Memorial Brick Project in Kalamazoo.

The Board Design Award was given to Giffels Webster for the board designed to tell the story of the Beacon Park project in Detroit.

This year's ACEC/M Vernon B. Spalding Leadership Award was presented to Daniel G. Fredendall of OHM Advisors to honor his outstanding leadership roles in ACEC and several community organizations.

The Eminent and Honorable Conceptor award winners are eligible to compete at the national ACEC engineering competition in Washington, DC. For more information on the projects and award winners, visit the ACEC/M website at www.acecmi.org.