



News release

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Construction Innovation Forum honors four construction innovations with 2015 NOVA awards

Houston, Texas (November 10, 2015) – The Construction Innovation Forum (CIF) has presented 2015 NOVA awards to four very different construction innovations from around the world: One World Trade Center, Bolt Star Reusable Bolt Template, Pipe Express® and the Portable Modular Conveyor-Material Placer.

"The CIF NOVA awards honor top innovations in construction from around the world," said Dr. Rasha Stino, Chair of the 2015 NOVA Awards and Vice Chair of the Construction Innovation Forum. "Our NOVA winners are making significant contributions to safety, quality, environmental stewardship and cost-efficiency."

NOVA award winners are selected through a rigorous judging process. Leading engineers volunteer their time, spending months researching the nominated innovations. An expert jury then selects winning innovations from among the finalists.

"We feel privileged to recognize these exceptional teams and individuals who turned their dreams into innovations that are improving the construction industry every day," Stino said.

The 2015 NOVA Winners

One World Trade Center – Port Authority of New York & New Jersey

After the tragic attack on the World Trade Center in 2001, work began on multiple structures that stand as tributes to the lives lost – and symbols of New York City's resilience. The NOVA Award jurors selected One World Trade Center to receive a NOVA Award and are acknowledging two additional structures in the redevelopment: The National September 11 Memorial & Museum and the World Trade Center Transportation Hub. At 1,776 feet tall, One World Trade Center is the tallest building in the western hemisphere and sets new standards for safety, security and green construction. This is the first New York City project to use 14,000 psi concrete. The building includes a windowless blast-proof concrete base, extra-wide interconnecting staircases and stairwells dedicated to first responders. Developed by the Port Authority of New York and New Jersey, One World Trade Center is a testament to the creativity, skill and hard work that have helped New York City look ahead to a promising future.

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Bolt Star Reusable Bolt Template – Construction Innovations LLC, Sacramento, California

Manufactured by Construction Innovations LLC in Sacramento, California, the Bolt Star Template provides a safer, less costly and more efficient process for light pole base construction. Made of high-strength ABS, Bolt Star Template is extremely strong and durable. Bolt Star requires just six steps, cutting labor in half and saving 25-30 minutes for each pole base compared to the conventional wood template method. High quality is consistent, with no rework due to form marks, bolt “leaners” or measurement mistakes. Bolt Star requires no power saws or drills, and contractors are able to reuse it. Since 2013, Bolt Star has been used in 48 states and in Canada. Bolt Star has won the 2015 Construction & Engineering Award from BUILD magazine; the 2014 Product of the Year award for specialty products from EC&M magazine; and the 2014 Top Products award from Electrical Products and Solutions magazine. **Contact: Ken Gregory, President, Construction Innovations LLC, Sacramento, California**
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Pipe Express® – Herrenknecht AG of Allmannsweier, Schwanau, Baden-Württemberg, Germany

Pipe Express® is an ecological, cost-effective alternative to open pipeline construction, developed by Herrenknecht AG of Allmannsweier, Schwanau, Baden-Württemberg, Germany. Subsidized by the German Environment Ministry, Pipe Express® uses semi-trenchless construction for near-surface installation of pipelines up to 2,000 meters long, with diameters of 900 to 1,500 millimeters (36 inches to 60 inches). Pipe Express® requires only a narrow corridor to install the pipeline, which is beneficial when groundwater is near the surface, in swampy terrain, or where protecting the environment is especially important. A tunnel boring machine loosens and conveys soil aboveground with a trenching unit and installs the pipeline simultaneously. Less installation equipment is needed and construction schedules can be shortened. The remote control operation requires minimum manpower and ensures safety. Pipe Express® received the “Bauma Innovation Award” from the German Engineering Federation and the “New Technologies Award” from the International Pipeline and Offshore Contractor’s Association (IPLOCA).

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Portable Modular Conveyor-Material Placer, E2 Systems LLC, Farmington, Hills, Michigan

Developed by Michael and Carl Evangelista, owners of E2 Systems in Farmington Hills, Michigan, the Portable Modular Conveyor-Material Placer is a fast, efficient and cost-effective way to place concrete in front of a slip-form paving machine. The Portable Modular Conveyor (PMC) uses a front end loader’s hydraulics to operate a conveyor belt system. The PMC moves flowable materials including concrete, asphalt, aggregate, sand and topsoil. The 10,000-pound unit is lightweight and at just 8.5 feet wide and 21 feet long, its small size accommodates tight spaces. The PMC can place over 300 cubic yards of concrete per hour. The PMC has been used on notable Michigan projects including the Carpenter Road reconstruction in Ann Arbor, the I-75 reconstruction near Saginaw and the Detroit Metropolitan Airport North Terminal – as well as a Chicago Transit Authority rail reconstruction on the Dan Ryan Freeway. The PMC has been sold to contractors around the country.

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About the CIF NOVA Awards

Formed in 1987, the Construction Innovation Forum (CIF) is an international, non-profit organization that encourages and recognizes construction innovations.

A jury of internationally recognized experts selects NOVA winners following a comprehensive investigation process. To date, 796 nominations for the NOVA Award have been received from more than 20 countries. Worldwide, 111 innovations from more than 10 countries have received the coveted award.

The 2015 winners were announced November 10 at the Annual Construction Users Roundtable (CURT) Awards of Excellence Gala in Houston, Texas. Based in Cincinnati, CURT represents more than 100 of the nation's top construction purchasers, the majority of which are Fortune 500 companies.

The Construction Innovation Forum has issued its annual call for NOVA Award nominations. Nomination forms may be downloaded from www.cif.org and must be sent to CIF by March 31, 2016. For further information, contact CIF at (419) 725-3119, send an email to meri.askins@rlgbuilds.com or visit www.cif.org.

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