

PHOTO: HANS DHILLON



Winners of the 2015 ESTA Awards



Winners' work

More details of the winning projects in the 2015 ESTA Awards for lifting and transport announced during the ESTA Users Night and Awards Dinner in April. IC reports

The annual ESTA Awards of Excellence is the most prestigious European crane and transport industry event for all ESTA members, affiliated companies, end users and manufacturers working in heavy haulage, transport and the lifting industry. Details of the award-winning projects and products from 2015 are listed below.

CRANES, TELESCOPIC, LIFTING CAPACITY LESS THAN 120 TONNES



Wagenborg

In The Hague, Netherlands, Wagenborg Nedlift completed a challenging project to lift air conditioning equipment onto the roof of the Ministry of Public Health and Social Security, overcoming the tricky challenge of getting the crane into the courtyard from where the lift had to take place.

CRANES, TELESCOPIC, LIFTING CAPACITY ABOVE 120 TONNES



Vernazza Autogru

RFI, the Italian national railways company, gave Vernazza Autogru the difficult job of removing the locomotive and first passenger carriage of an intercity passenger train which had been derailed by a landslide. Thankfully no-one was killed but the train was precariously balanced on a cliff overlooking the sea and was blocking the mainline between the Italian Riviera and France. A full report on this project was the cover story on the July 2014 issue of IC.

CRANES, LATTICE BOOM Sarens [Belgium]

Sarens erected three wind turbines, each with a tower height of 135 metres and a capacity of 7.5 MW, for the Enercon Wind



David Collett ESTA president

PHOTO: HANS DHILLON



Park in the Netherlands, using a 1,650 tonne capacity Terex CC 8800-1 lattice boom crawler crane, equipped with the new Boom Booster, a boom structure increasing the lifting capacity.

ESTA AWARDS

TRANSPORT

A. TRAILER AND LOAD UNDER 120 TONNES GCW [GROSS WEIGHT]



Ville Silvasti Transport

Silvasti transported two 800 cubic metre water tanks over 300 km using adapter trailers designed for wind power turbine tower sections, enabling the customer to complete the building of the tanks at the factory, deliver them as a complete unit and keep costs to a minimum by reducing the amount of work needed along the route.

B. TRAILER AND LOAD OVER 120 TONNES GCW [GROSS WEIGHT]



ALE

ALE was commissioned to engineer and execute the transportation of a transformer from the manufacturer in Stafford, UK, to under the crane hook at Ellesmere Port, where it would be shipped to India. The complex 70 mile (113 km) route involved travelling through residential areas and congested town centres and showcased ALE's Trojan truck for the first time.

COMBINED TECHNIQUES



Sarens [Netherlands]

During the renovation of the second busiest bridge over the busiest waterway in the Netherlands, Sarens used a combination of water transport, self



Delegates enjoying the dinner and awards ceremony at the Hilton Paris Charles De Gaulle Airport, in France

PHOTO: HANS DHILLON

propelled modular transporter, telescopic cranes, strand jacks, jacking & skidding systems, and gantries to install four combined steel beams of 1,650 tonnes next to and underneath the bridge. Most challenging was the passing of the existing supports underneath the bridge and the upside down strand jacking of the middle beam with a clearance of 20 mm.

SAFETY



Mammoet Europe

The COGAS Auxiliary Hoist is a system that constantly adjusts the position of the hook to the centre of gravity during a lift. Essentially a 50 tonne wire rope hoist with wireless remote control and a load display on the operator's remote control unit, it is rigged between the crane hook and the load, and acts as a lifting sling with an adjustable length. It is used together with a fixed-length sling. The unit aims to make complex lifts much easier and safer, while being straightforward to operate.

INNOVATION - END USER

ALE

With a growing number of projects requiring increased jacking heights and weights, ALE developed the Mega Jack 800. It has a 800t jacking capacity per tower and has been designed to bridge the gap in the capacities between the conventional 60-500 tonne capacity climbing jack systems and ALE's original



Mega Jack system, that has a capacity of 5,200 tonnes per tower.

The Mega Jack 800 successfully completed its first project in June 2014, the replacement of the Loenerslootse Bridge in Breda, the Netherlands.

INNOVATION - MANUFACTURER

Liebherr-Werk Eching

Liebherr's innovative new crane, the LTM 1300-6.2, incorporates a new concept for the superstructure drive unit. Instead of the usual twin-engine arrangement, the 300-tonner is powered by a single carrier engine with a mechanical drive train to the superstructure. Benefits include reduced maintenance and increased load capacity, as the lower weight can be used for load-bearing components, Liebherr said.

SPMT



Mammoet Europe

Two decks for a new bridge over the Botlek waterway in Rotterdam - each weighing 5,000 tonnes and 90 metres long - were assembled at the Mammoet Heavy Lift terminal at Schiedam. The company used its SPMT to load the deck onto barges for transport to the installation site, where it also used the SPMT to adjust the height of the deck. The new Botlekbrug will be one of the largest movable bridges in the world.

■ For further information see: www.esta-eu.org or www.khl.com/events