

MANUFACTURING

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Siemens Gamesa introduces new turbine for the American market

Siemens Gamesa Renewable Energy (SGRE) has launched the new SG 2.7-129 wind turbine designed to address the diverse wind conditions of the American market.

By optimizing turbine technology to deliver a higher capacity factor at a lower cost of energy, the powerful new turbine delivers sustainable value for the full lifecycle of the project.

Production of the SG 2.7-129 is targeted to commence in the U.S. in early 2019. The blades for this turbine will be manufactured at the company's blade manufacturing facility in Fort Madison, Iowa, and the nacelles and hubs will be assembled at Siemens Gamesa's nacelle facility in Hutchinson, Kansas.

The SG 2.7-129 was developed with an eye toward increasing energy production for sites with medium- to low-wind conditions in the U.S. It features modularized components for increased flexibility and reliability. It also employs advanced technology with a 129-meter rotor, boasting an increased swept area of 16 percent compared to its predecessor, the SG 2.6-120. Additionally, the SG 2.7-129 features a state-of-the-art drive train that has been optimized to deliver maximum energy capture.

The product design also incorporates several added safety and operational benefits related to the service and maintenance of the turbines, including increased accessibility of key components and access to the weather station from inside the nacelle.

"We are very excited to introduce the new SG 2.7-129 to our portfolio — the next generation in a fleet of



The SG 2.7-129 wind turbine. (Courtesy: Siemens Gamesa)

turbines with a proven track record and high availability," said José Antonio Miranda, Onshore Americas CEO, Siemens Gamesa Renewable Energy. "With an increase of more than 8 percent in annual energy production compared to its predecessor, this turbine will deliver greater returns and is another important step in reducing the levelized cost of energy. This product is also unique in that it was co-designed to include best practices from both former companies, making it a best-in-class wind turbine for the U.S."

The SG 2.7-129 is the latest addition to the Siemens Gamesa 2.X product platform. Combined with

the SG 3.4-132 and the SG 4.2-145 wind turbines, these products can address all of the diverse needs of the U.S. market.

With 73 GW of onshore installed capacity worldwide and several decades of joint experience, Siemens Gamesa combined proven design components and lessons learned from previous platforms into the development of the SG 2.7-129, taking another step toward increased competitiveness and continuously reducing the levelized cost of energy. ↴

Source: Siemens Gamesa

For more information, go to www.siemensgamesa.com



The ALL Family of Companies is expanding its fleet with the purchase of eight cranes from manufacturer Manitowoc. (Courtesy: ALL Family of Companies)

ALL adds eight units from Manitowoc

The ALL Family of Companies is expanding its fleet with the purchase of eight cranes from manufacturer Manitowoc. The package includes two each of the MLC650 crawler, Grove TMS760E truck-mounted crane, and Manitowoc 999 crawler, plus two more truck-mounted units: a Grove TMS800E and the all-new Grove TMS9000-2. The deal punctuated the final quarter of 2017. The cranes will be deployed across the company's network of branches, targeting markets where they are in the highest demand.

When ALL initially acquired two MLC650s last fall, the large-capacity crawlers proved extremely popular with customers, providing impetus for the acquisition of additional units. The MLC650 has a 716-USt capacity and features Variable Position Counterweight™

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(VPC™) technology that automatically positions the crane's counterweight to match lifting demands. VPC helps reduce the operating footprint, minimizes ground preparation, and reduces matting, adding up to a potential savings of thousands of dollars per month on longer-term projects.

"This capacity — 700 to 900 USt — is in high demand across all geographies and in multiple sectors," said Rick Mikut, crawler crane division manager for the ALL Family of Companies. "The MLC650's large capacity and site-friendly ground bearing pressure will ensure these new units will be deployed almost immediately for energy-related projects."

Of no less importance, although at the opposite end of the capacity range for this crane package, ALL is excited to take delivery of its first Grove TMS9000-2 truck cranes. Manitowoc developed the TMS9000-2 with the input of customers and dealers to create a crane that delivers in real-world applications. It is a 115-USt capacity truck crane

that is significantly lighter than similar models, making it easily configured for local roadway weight limits. It has a longer 169-foot main boom with jib options available. Strength was boosted by 5 percent across the load chart.

"Our truck cranes are an important part of our taxi rental fleet — the in-and-out work that is really important to our business — and Manitowoc is doing a great job reinventing these TMS units to keep them strong and increasingly more roadworthy," said Michael L. Liptak, president of ALL. "And our crawler division is booming right now, perhaps seeing the highest demand in a decade. Our new 'triple 9s' and MLC650s are a direct response to this need. We will continue to define our response to this demand by our commitment to a modern, technologically advanced fleet." ↵

Source: ALL Family of Companies

For more information, go to www.allcrane.com

OFS introduces new, thermally stable Pyrocoat® K optical fiber

OFS, a leading designer, manufacturer, and supplier of innovative fiber optic products recently highlighted its new Pyrocoat K optical fiber at the Photonics West Exposition in San Francisco, California.

Pyrocoat K optical fibers offer an improved coating that enables wider operating temperatures than any commercially available polymer-coated fibers. With its reliable performance for fiber optics in extreme conditions, Pyrocoat K optical fiber provides thermal stability over various continuous temperatures/lifetimes: 275 degrees C for 80 years, 300 degrees C for 13 years, 325 degrees C for 2.2 years, and 350 degrees C for 18 days. These new optical fibers can also withstand short excursions at even higher temperatures and long-duration stability at low temperature extremes at and below -65 degrees C.

"We're excited to add Pyrocoat K optical fiber as a problem-solving technology to the growing family of LineaSens® distributed sensing products," said Michael Hines, OFS market manager for indus-



Pyrocoat K optical fiber. (Courtesy: OFS)

trial sensing. "OFS has quantified the reliability of optical fibers over a broad range of high operating temperatures, closing significant, industry-wide performance gaps and opening new opportunities for optical fiber use in harsh environments."

"The Pyrocoat K optical fiber development illustrates the OFS

long-term commitment to the fundamental sciences that enable fiber optics to extend into new and exciting market areas," said Dr. Jane Cercena, senior vice president, OFS — specialty optical fiber. ↵

Source: OFS

For more information, go to www.ofsoptics.com

Valley Forge & Bolt Mtg. Co. hires new director

Valley Forge & Bolt Mfg. Co. recently announced that James Brooks has joined the company as director of engineering and new business development.

Brooks is an engineering graduate from the University of London (U.K.) and brings significant experience in the field of specialty engineered fastening solutions. This includes direction of a large Swedish/U.S. specialty fastener company. In addition, he has significant experience in the development and execution of global strategies along with a long list of sales growth. Brooks will soon be moving to Phoenix, Arizona, to Valley Forge's U.S. corporate headquarters.

"I am delighted to be joining the team at VFB," Brooks said. "The timing is great as Valley Forge has the proven capabilities to innovate and support the next generation of

fasteners. Their bolted joint monitoring solutions are being increasingly sought after in many industrial market segments."

Valley Forge & Bolt Mfg. Co. is an international manufacturer of hot forged industrial fasteners, bolting solutions, and load indicating technology. Its wide range of patented products are

trusted for their quality, performance, and reliability. Located in Phoenix, Arizona, Valley Forge & Bolt recently celebrated its 43rd Anniversary. ↵

*Source: Valley Forge
& Bolt Mfg. Co.*

For more information,
go to www.vfbolts.com/

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