

DIRECTION

THE FUTURE OF WIND



The 3.8 GW sale to SSE includes onshore wind projects in France, Greece, Italy, and Spain. (Courtesy: Siemens Gamesa)

Siemens Gamesa completes asset sales to SSE

Siemens Gamesa has completed the sale of South European renewables development assets to SSE for a cash consideration of 613 million euros.

This sale includes a pipeline of on-shore wind projects with a capacity of 3.8 GW in various stages of development in France, Greece, Italy, and Spain, with the possibility to develop up to 1.4 GW of co-located photovoltaic projects.

A team of about 50 from Siemens Gamesa, with strong sector experience in those countries, will be integrated in SSE as part of the agreement. The mentioned adjustments remain subject to customary post-closing accounts review.

As part of the transaction, Siemens Gamesa will have the opportunity to partner with SSE Renewables on the provision of turbines and associated long-term maintenance services for a portion of the wind farms installed and operated by SSE in the next few years coming from this sale.

“We are pleased to have successfully completed the transaction with SSE before the end of our fiscal year 2022, as announced in April,” said Jochen Eickholt, CEO of Siemens Gamesa. “With this sale, Siemens Gamesa is optimizing its portfolio of assets and maximizing value. We are confident that SSE is the right partner to develop the excellent portfolio of wind projects built over the years by our South European project development team that will now also be part of SSE. This agreement will strengthen our relationship with SSE, as it will be beneficial for both companies.”

“We are delighted to have closed this transaction ahead of schedule and really excited to welcome new colleagues to the SSE Renewables business,” said Stephen Wheeler, managing director of SSE Renewables. “There is a fantastic local team in place who will help us build a long-term presence in Southern Europe developing, building, and operating onshore wind,

solar, and storage infrastructure. We look forward to continuing to work with communities and stakeholders across the region to deliver the energy transition.”

MORE INFO www.siemensgamesa.com/en-int

Pattern Energy begins Japan construction project

Pattern Energy Group LP and its affiliate in Japan, Green Power Investment Corporation (GPI), recently announced it has completed financing and begun full construction of its 112-MW Ishikari Offshore Wind project, about three kilometers from the shore of the Ishikari Bay in Hokkaido, Japan. Ishikari Wind will feature a battery storage component with 100 MW x 180 MWh of capacity.

“This historic project is Japan’s largest combined offshore wind and power storage facility and the first installation of an 8-MW offshore wind turbine in the country,” said Mike Garland, CEO of Pattern Energy. “Together with GPI, we have built an in-house team of leading experts in onshore and offshore wind and the Ishikari project is the culmination of more than 15 years of planning. The group of leading financial institutions that is backing this project demonstrates the strong demand for innovative clean-power solutions. We look forward to successfully completing construction of this project and bringing a new source of clean and renewable energy to Japan, powered by the strong winds of Ishikari Bay.”

“We would like to thank Ishikari city and all the people concerned for their great cooperation in promoting this project,” said Mitsuru Sakaki, director and president of GPI. “We will



Full construction begins on Ishikari Offshore Wind with first installation of an 8 MW offshore wind turbine in Japan. (Courtesy: Pattern Energy)

proceed with construction work while being considerate of the environment, safety, and local communities. It is an honor to promote the creation of clean energy in a manner that protects the cultural values of the region and enhances critical infrastructure of the country.”

The Ishikari Offshore Wind project, and accompanying battery storage component, is expected to reach commercial operation in December of 2023. The project has a 20-year power purchase agreement with Hokkaido Electric Power Network, Inc. for 100 percent of the power output.

Ishikari Offshore Wind will use 14 Siemens Gamesa 8.0 MW wind turbines, built specifically for offshore use. The SG 8.0-167 DD offshore turbine is designed to meet local codes and standards regarding typhoons, seismic activities, 50 Hertz operation, as well as operation in high and low ambient temperatures. The turbines and its supporting structure (pile foundation, jacket, and tower) received ClassNK certification, confirming it meets the stringent technical standards required by the Japanese government to approve construction. “We look forward to working with Pattern Energy on this excellent opportunity to bring more clean, renewable power into Japan’s energy mix,” said Marc Becker, CEO of the Siemens Gamesa Offshore Business Unit. “Together with Pattern Energy and GPI, we look forward to providing the numerous economic, social, and environmental benefits of offshore wind power to everyone involved with the project.”

MORE INFO patternenergy.com

ArcVera names wind engineering global director

ArcVera Renewables, a provider of consulting and technical services for wind, solar, and energy storage projects, has confirmed the appointment of Dan Bernadett as its new global director of Wind Engineering.



Dan Bernadett has developed advanced techniques for estimating wind-farm losses used in wind-resource assessment, techniques that ArcVera champions. (Courtesy: ArcVera)

Bernadett’s experience will be instrumental to support ArcVera as it rapidly scales in all wind-project services segments including resource assessment, technical and financial engineering, power performance testing, component failure root cause analysis, and project optimization and repowering.

Bernadett is joining ArcVera after leading UL’s renewable energy power performance testing division, following UL’s acquisition of AWS Truepower in 2016. Starting in 1993, Bernadett was one of the first engineers at AWS Truepower, a company that specialized in atmospheric science and engineering due diligence for renewable energy development. Bernadett has developed advanced techniques for estimating wind-farm losses used in wind-resource assessment, techniques that ArcVera champions.

“Dan and I started our careers in wind energy within months of each other back in 1991,” said John Bosche, ArcVera president and founding partner. “He is an esteemed industry colleague and a brilliant engineer with a long history in the wind sector in the U.S. and internationally, and with a great reputation among clients and colleagues alike. I am beyond thrilled to be able to work with Dan.”

Bernadett has also been a frequent presenter at conferences and on webinars, discussing topics such as nacelle Lidar power-curve testing, evaluation of power-curve risks in new turbine models, verification of power performance upgrades to wind turbines, and advantages of power curve testing under Edition 2 of the IEC 61400-12-1 standard.

“I am absolutely delighted to be joining John and the ArcVera Renewables

team at such an important time for the industry,” Bernadett said. “ArcVera has an international track record that is second to none, providing clients with excellence in atmospheric science and engineering to ensure that its clients’ projects are technically-sound, bankable, and successful throughout their operational lifetime.”

MORE INFO arcvera.com

Bachmann, Acelerex team up on clean energy systems

Bachmann has partnered with Cambridge, Massachusetts, company Acelerex for clean-energy technologies. The companies are offering combined products and services for turnkey solutions targeting the growing world markets for clean-energy systems.

Bachmann has been developing automation and system solutions for more than 50 years and manufactures quality power-plant controls and measurement systems. Bachmann systems are deployed around the world in more than 130,000 wind turbines.

Acelerex has developed a technology stack of a cloud-based subscription software with web-interface that has features of artificial intelligence, universal energy management system, real-time optimization and control, stacked services, grid analytics, and SCADA.

“With the recent passing of the Inflation Recovery Act in the USA, we are excited for the growth prospects of renewables and the value our combined offering will bring to the market,” said Bachmann CEO Bernhard Zangerl.

“Our software systems complement the Bachmann products for offering high-quality reliable, grid focused intelligent solutions required for optimization and real-time control of renewables and energy-storage systems,” said Terry Boston, Acelerex Board, former CEO PJM Interconnect. ↗

MORE INFO www.bachmann.info
acelerex.com/news