

DIRECTION

THE FUTURE OF WIND

The image shows two large, white, three-bladed offshore wind turbines standing in a deep blue ocean. The sky is a clear, light blue. The turbines have yellow-painted bases. The larger turbine is in the foreground on the right, and a smaller one is in the background on the left.

CVOW is a vital part of Dominion Energy's clean energy strategy to achieve the company's net zero carbon dioxide and methane emissions by 2050. (Courtesy: Dominion Energy)

Dominion Energy selects offshore wind suppliers for Virginia site

Dominion Energy has selected some offshore wind supplying partners to support Coastal Virginia Offshore Wind, the largest offshore wind farm under development in the U.S.

The selections include:

▸ DEME Offshore/Prysmian Group for transportation and installation of balance of plant, subsea cable supply and installation.

▸ Bladt Industries to supply transition pieces.

▸ Bladt and Semco to supply three offshore substations.

▸ EEW SPC to supply steel monopile foundations.

In 2020, Dominion announced wind-turbine manufacturer Siemens Gamesa Renewable Energy as the preferred turbine supplier for the 176 14.7-MW turbines to be installed in the 112,800-acre commercial lease area.

“We are moving the CVOW project forward by working with industry leaders as we bring utility scale offshore wind generation to our Virginia customers,” said Joshua Bennett, Dominion Energy vice president of offshore wind. “These contracts will allow us to manage costs for the benefit of our customers and take advantage of the developing domestic supply chain to deliver on our promise to bring clean-energy jobs to Hampton Roads.”

EEW SPC, with more than 80 years of experience in production of steel pipe and corresponding pipe components, will manufacture 176 steel monopile foundations, the largest of which will be 268 feet long and weigh 1,755 tons.

“With the construction of Coastal Virginia Offshore Wind, Dominion Energy is getting closer to its goal of being carbon neutral, in terms of power generation, by 2050, and we are pleased that we can also do our part,” said Heiko Mützelburg, CEO/Managing Director of EEW SPC.

Bladt Industries will manufacture 176 transition pieces, which weigh as

much as 800 tons and bind the monopile foundation and turbine together, while providing physical access to the turbines.

“We are proud to be selected by Dominion Energy for this contract based on our experience and proven track record. Likewise, we are extremely proud to be part of building up the growing American offshore wind industry,” said CEO Anders Søre-Jensen from Bladt Industries.

Bladt Industries and Semco Maritime will manufacture components for the three offshore substations, which are multi-story units weighing about 4,000 tons each, a topside platform with helicopter landing pad 157 feet above the water and support structures installed in the sea floor.

“We are proud of the contract for three 880 MW substations, which we consider a vote of confidence in Semco’s and Bladt’s tried and tested partnership and our strong track record of delivering competitive projects within electrical infrastructure for offshore wind through two decades,” says Steen Brødbæk, CEO, Semco Maritime.

DEME Offshore US LLC and Prysmian Group will provide the balance of plant services, including the transportation and installation of the foundation and substation components, and install the subsea cables.

Prysmian Group, a global leader in the energy and telecom cable systems industry will provide all of the subsea inter-array and export cables that will deliver the renewable offshore wind energy to shore.

Monopile foundations, transition pieces, and turbine components will be staged on 72 acres at Portsmouth Marine Terminal (PMT) as part of a 10-year lease agreement with the Virginia Port Authority. Doing so will employ union jobs such as longshoremen, stevedores, crane operators and other building and construction trade jobs, as well as skilled labor from the North America’s Building Trade Union and

its state affiliate Virginia Building Trades.

MORE INFO www.dominionenergy.com

GCube unveils renewable energy insurance service

GCube, a renewable energy project underwriter, has launched a new data-powered insurance service that will use AI-led analytics and data sets to offer enhanced terms and reduced premiums for wind and solar operating companies.

Renewable energy insurance has, in the last 10 years, been characterized by significant losses, and the severity of claims has increased as wind and solar industries expand in scale. Renewable energy project operators are facing rising insurance costs.

GCube signed with Clir to leverage data from more than 200 GW of operating assets. Insurers will be better able to provide more accurate quotes, and thereby, in a move designed to support the sustainable growth of the renewables industry in the long term, GCube has signed with Clir to leverage data from over 200 GW of operating assets. By having Clir onboard a wind portfolio’s data set onto its platform, GCube can uncover the asset’s meteorological and operational loading, overall component health and reliability, and the impact of current operations and maintenance.

These insights give GCube clarity on its underwriting pricing and offer more competitive terms where operating projects model with lower risk factors.

“Insuring renewable energy has been a tumultuous process over the last decade,” said Fraser McLachlan, chief executive officer, GCube Insurance Inc. “Claims from equipment failure, natural catastrophe loss, and



GCube assists its clients in identifying, quantifying and mitigating risk while helping them achieve their business objectives. (Courtesy: GCube)

contractor error have forced some underwriters to exit the market. To continue to offer insurance at sustainable rates for clients, we need to have deeper insights into the risk of failure and operational management of renewable energy equipment.”

“By utilizing the data analysis from Clir, we can gain these insights at the quote phase in a unique and highly effective process, which benefits clients through a better understanding of their project risks, and, incentivises best practice in the operational asset management of wind and solar,” he said.

“It’s our belief at Clir that the only way to continue to drive a lower levelized cost of energy for renewables, is to positively influence the financial imperatives that drive renewable energy pricing—insurance, project acquisition, and power management,” said Gareth Brown, Clir’s chief executive officer.

“We’ve seen insurance in other sectors become more competitive, and better serve the needs of its clients, through utilizing AI-led approaches to data—be that telematics for motor insurance, or wearable technologies for health coverage—and it’s time

that we harnessed the same value for the hugely important task of building and sustaining low carbon power generation,” McLachlan said.

MORE INFO www.gcube-insurance.com

Prysmian Group Launches Renewables+ Program

Prysmian Group, a leader in the energy and telecommunications cable systems industry, is taking steps toward decarbonization with Renewables+, a program that is a sustainable solution to help reduce CO2 emissions in wind and solar projects. The program will also ensure design optimization and prevention in renewable electrical systems.

“Prysmian Group is fully committed to supporting our renewable energy customers and partners in building the U.S. clean-energy infrastructure and facilitating the region’s energy transition and diversification to reduce greenhouse gas emissions,” said Joe Debolt, VP of sales PD renewables at Prysmian Group North America. “Our

world-class products and solutions go beyond the cable and enable our customers and communities to meet today’s great challenges and aim to bring the world one step closer to a carbon-free future.”

The new Renewables+ program includes:

▼ **CL Advantage™ MV Cable:** Medium voltage power distribution cable designed with a compact aluminum conductor, flat strap neutral and cross-linked jacket with smaller diameter and lower weight.

▼ **ALESEA:** Inventory management and tracking system that features a smart device installed on the cable drum, allowing for more efficient geo-localization and tracking.

▼ **PRY-CAM:** Technology for monitoring, condition assessment and asset management of electrical systems, helping monitor and prevent failures.

▼ **Prysmian Accessories & Splice Kits:** Accessories for glanding, jointing, connecting and terminating.

MORE INFO na.prysmiangroup.com/sustainability

Fisher Renewables names new managing director

James Fisher Renewables has appointed Wayne Mulhall, managing director of EDS HV Group, as Fisher Renewables’ managing director.

Appointed managing director of EDS HV Group (EDS), part of James Fisher Renewables (JF Renewables), in August of this year, Mulhall will now also oversee the running of JF Renewables. All renewable activities across the James Fisher and Sons group are now consolidated under the one brand.

“I am delighted to accept the role of managing director at JF Renewables,” Mulhall said. “This is highly complementary to my role as EDS managing director and overseeing both businesses means that we will be able to more effectively view and implement the offering that JF Renewables can bring to the market across the whole James

Fisher and Sons group. JF Renewables at its core is about leveraging the group's experience and expertise together with the niche capabilities offered by its operating companies. For this reason, it is particularly relevant that we are bringing the expertise from within these operating companies to enable JF Renewables to help offshore developers accelerate the energy transition."

Mulhall brings to the business significant experience in the offshore wind industry, having held a senior role at MHI Vestas Offshore Wind and prior to this, senior positions at Siemens Gamesa and Rolls Royce.

Ryan Calvert, EDS Strategy, sales and commercial director has also joined the leadership team as James Fisher Renewables' head of sales (Europe). Calvert stood in as interim managing director for EDS before Mulhall's appointment.

"Since 2010, I've been fully embedded in the renewables journey from



Wayne Mulhall is James Fisher Renewables' new managing director. (Courtesy: James Fisher Renewables)

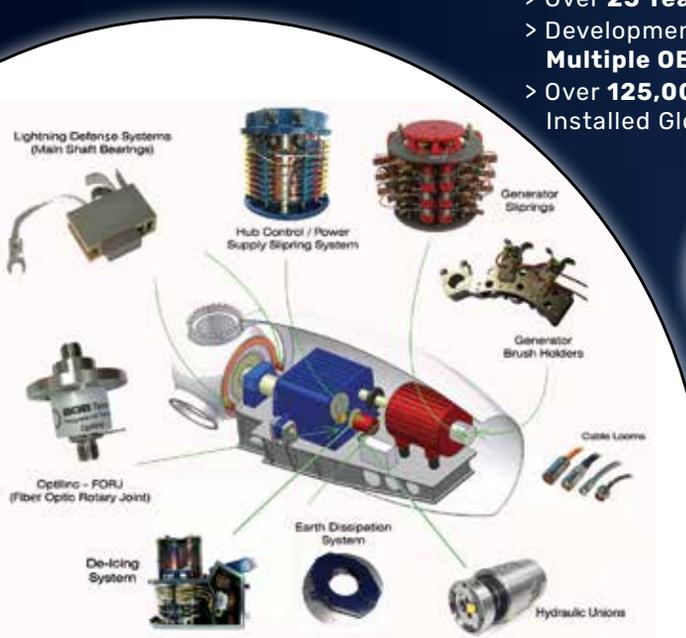
hands on work on offshore wind farms to joining the EDS management team in 2014 as operations director," Calvert said. "During my time at EDS, I've led the strategy and innovation of the

business, and I'm thrilled to be able to bring this experience into my additional role as head of sales (Europe) for JF Renewables. With our combined capabilities, JF Renewables is ideally placed to help offshore wind developers and contractors meet their nation states' global net zero goals and energy independence."

Launched in March 2020, JF Renewables aligns the specialist capabilities from existing James Fisher and Sons group companies. Since the launch, the business has had a number of high-profile contract wins including undertaking work for customers such as RWE and Iberdrola. The business supports pure-play renewables developers, marine civil constructors, and oil and gas majors alike in pushing the boundaries of what is possible to accelerate the energy transition, while maintaining existing energy infrastructure. ↵

MORE INFO jamesfisherrenewables.com

DIRECT REPLACEMENT UPGRADES FOR THE AFTERMARKET



- > Approved and **Trusted Solutions**
- > Over **25 Years** in the Wind Industry
- > Development and Supply Partner for **Multiple OEM's**
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BGB Pitch Control Slip Ring for GE



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