

MAINTENANCE

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Cyberhawk gets three-year framework with major renewable energy operator

Cyberhawk, a world leader in inspection, survey, and asset management using unmanned aerial vehicles (UAV), has been awarded a three-year framework with one of the U.K.'s largest renewable energy operators.

As part of the framework, Cyberhawk will undertake wind-turbine blade inspections across the operator's network across the U.K. and Ireland.

"We continue to make great inroads in renewable energy as a result of our UAV data collection and asset management software, iHawk," said Cyberhawk CEO Chris Fleming. "We are experiencing an increase of work in this sector, which is highlighted by this recent framework award, and will continue to work closely with renewable energy suppliers around the globe to develop solutions which meet their needs."

The award of the framework marks the end of Cyberhawk's most successful year since its launch in 2008, with revenue increasing by a third, increased profitability and the completion of a series of major projects.

In oil and gas, Cyberhawk took a stronghold in the U.S. market following the launch of its Houston office in 2016, winning new projects in the region and securing accreditation from the American Bureau of Shipping for its internal tank inspection solution. As well as helping to develop Oil & Gas U.K.'s offshore drone guidelines, Cyberhawk has also completed multiple long terms projects in Africa, the Middle East, Asia, and Europe, where the company achieved a 50 percent cost saving for one of the North Sea's largest



Cyberhawk has made significant headway in the renewables sector, both in onshore and offshore wind. (Courtesy: Cyberhawk)

operators. First projects were also completed in the Caribbean and in the Mediterranean.

Cyberhawk has made significant headway in the renewables sector, both in onshore and offshore wind. As well as the recent framework award, the company also has secured a global framework with wind-turbine manufacturer Siemens Gamesa. Projects have been completed onshore and offshore throughout Europe including first projects offshore Germany. Multiple successful offshore converter and substation inspections also supplemented the wind-turbine blade inspection.

2017 has also been a busy year in the electricity transmission and distribution sector, with Cyberhawk having now completed work for the majority of U.K. and Ireland transmission network operators (TNO), distribution network operators (DNO), and major tier 1 contractors. Not only did the firm receive a contract with a TNO to inspect 2,000 towers, it also implemented its field tablet solution for a DNO to allow completion of ESQCR inspection and ground patrols on over 4,000 towers.

Software remains a major part of Cyberhawk's business across all sectors, and ongoing development has taken place over the last 12 months to meet increasing needs from clients. Two new modules were launched on iHawk, Cyberhawk's cloud-based asset management software, specifically for substation asset management and tower bar-by-bar inspections; iHawk will continue to represent a significant part of Cyberhawk's growth strategy during 2018 and beyond.

"2017 has been an exciting year for Cyberhawk, and we have been extremely encouraged to see the up-

take of UAVs for inspection and survey increase exponentially," Fleming said. "We believe this is only set to continue, and our team is using the success of the last 12 months as a springboard for 2018. Cyberhawk will continue to innovate, grow our talented team, and develop custom-

er-centric solutions to challenges across a range of industries. We are very excited to see what 2018 will bring." ↵

Source: Cyberhawk

For more information, go to www.thecyberhawk.com



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The Roemheld USA rotor lock is available with hydraulic or electromechanical locking mechanisms and withstands side loads up to 5,500 kN. (Courtesy: Roemheld USA)

Rotor locks simplify maintenance in wind power plants

New rotor locks from Roemheld USA are designed to simplify maintenance for wind-power plants. The double-acting hydraulic cylinder locks the rotor blade up to 6.5 MW, from -30 degrees C to 70 degrees C.

The Roemheld USA rotor lock is available with hydraulic or electro-

mechanical locking mechanisms and withstands side loads up to 5,500 kN. Other designs can be produced for special needs.

A new, long-lasting coating prevents rust in the locking bolt, and non-contact position monitoring avoids mechanical wear and extends

component life. The surface protection of rotor lock components corresponds to DIN ISO 12944, C4, for use in offshore operations. ↵

Source: Roemheld USA

For more information, go to hilma-usa.com/rotor-locks

Pattern Energy pilots Uptake's software at wind site

Uptake, the industrial data science and artificial intelligence (AI) software leader, recently announced that Pattern Energy Group Inc. will pilot Uptake's wind software. Pattern Energy, the seventh largest wind operator in the U.S., will pilot the predictive analytics software at its Logan's Gap Wind farm in Comanche County, Texas.

The site's 87 turbines have 200 MW of capacity, the amount of energy needed to power approximately 50,000 homes.

"Deploying Uptake's software will reduce downtime and increase the number of megawatts Pattern Energy's turbines produce," said Ryan Blitstein, vice president of renewable energy at Uptake. "With more users, our software

will generate better insights for all customers to create a more productive, reliable, safe, and secure world."

A report by Uptake recently found that the U.S. wind fleet could produce 12 TW/h more energy by eliminating downtime — enough energy to power nearly every home in the city of Chicago.

"Pattern Energy has been impressed with the value Uptake has brought to wind fleets and major companies in other industries," said Ben Rice, a senior engineering manager for Pattern Energy. "We are eager to test Uptake's software so as to connect the issues we see in our operations center to our technicians in the field."

In March 2017, Uptake announced two Berkshire Hathaway

Energy subsidiaries would be the first to deploy Uptake Wind software. Uptake Wind is commercially available and enables wind power owners to increase availability, maximize online performance, and optimize maintenance and site operations for wind fleets around the world.

Pattern Energy, headquartered in San Francisco, manages its fleet through its Operation Control Center in Houston.

The company has an operating portfolio of 20 wind-power facilities in the U.S., Canada, and Chile, producing 3,775 MW of clean energy. ↴

Source: Uptake

For more information, go to www.uptake.com/wind

New standard ratcheting combination wrenches designed for high torque

The new standard ratcheting combination wrenches from Williams are designed to handle higher torque applications without rounding or deforming hex fasteners points.

The Supertorque® ratcheting box end design means no contact is made at the corners. Rather, wrenching pressure is placed on the flat surfaces behind the points. Additionally, the wrenches' Supercombo® open end has specially designed grooves that direct wrench force away from fastener corners.

Features and benefits of the new standard ratcheting combination wrenches include:

- Ratcheting gear with up to 80 teeth, minimizing swing arc in tight places.
- Nickel-chrome plating protects against corrosion and makes cleaning easy.
- Sized for optimum comfort and balance.
- Handles forged in the U.S.
- Built with special alloy steel and heat treated for superior strength and durability.
- Standard and metric sizes available. ↴

Source: Snap-On Industrial

For more information, go to www.snaponindustrialbrands.com

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