

# MAINTENANCE

Operations • Service & Repair • Inspection • Safety • Equipment • Condition Monitoring • Lubrication

## Cyberhawk Reports Strong Year of Growth in the Wind Sector



A Cyberhawk Innovations team at a recent blade inspection. (Courtesy: Cyberhawk)

Cyberhawk Innovations has reported 12 months of success within its wind division due to demand from domestic and international markets.

The world leader in aerial inspection and survey using Unmanned Aerial Vehicles (UAVs), also known as drones, has worked with 16 clients across the U.K., Ireland, and Europe during 2016, and has inspected hundreds of wind-turbine blades.

Key milestones for Cyberhawk have included:

- Securing a global framework agreement with a large wind-turbine manufacturer.
- A further framework agreement with one of the U.K.'s largest wind operators.

- First inspection contract at an off-shore wind farm outside the U.K.
- First contract to inspect an off-shore transformer platform.
- Inspection of multiple metrological masts, including at the Round 3 Dogger Bank offshore wind farm.

In 2016, Cyberhawk also completed a contract for wind-energy operator, Engie. This project involved the inspection of the blades at multiple wind farms.

Integral to the success of this project was iHawk, Cyberhawk's proprietary, cloud-based, asset management software. iHawk provides clients with the ability to quickly and easily view and understand the condition of their assets backed up with

high definition visual evidence of the complete blade and accurately sized, positioned, and analyzed defects.

"Having trialed several different methods of the latest blade-inspection technology, we have identified that drone inspections provide consistent, safe, and cost effective results," said Robert Cooper, assistant technical engineer at Engie. "The iHawk platform used to categorize the defects and analyze the results is where Cyberhawk has really excelled. The platform is extremely intuitive, allowing us to make informed decisions on the future of our wind-turbine blades."

"Throughout 2016, we have seen the industry embrace our technology

and take advantage of the benefits on offer, which include reduced safety risks, major cost savings, and improved inspection times,” said Chris Fleming, CEO at Cyberhawk. “iHawk is a major part of our business model and has played a key role in our success in the renewables sector. By converting raw images captured by UAVs into powerful asset management information, reporting on iHawk provides operators with a highly advanced asset management solution.”

“2016 was a very positive year for Cyberhawk,” Fleming said. “We have continued to build strong, successful relationships with our clients, which in turn has allowed us to identify new opportunities for growth,

particularly internationally. It is an exciting time for the whole team with 2017 showing signs for further substantial growth.”

Headquartered in Livingston, Scotland, and with bases in Houston, the Middle East, and Southeast Asia, Cyberhawk carried out the first UAV industrial inspection in 2009 and since then, has completed more than 25 world firsts to date, with blue-chip customers in more than 20 countries on four continents. ↘

Source: Cyberhawk Innovations

For more information, go to [www.thecyberhawk.com](http://www.thecyberhawk.com)

## Dong Energy to Provide O&M for Lincs Offshore Wind Farm

Dong Energy is entering into a long-term contract to provide operation and maintenance services to Lincs Offshore Wind Farm, a 270 MW offshore wind farm off the coast of North East Lincolnshire and fully operational since August 2013.

Centrica and Siemens Project Ventures recently an-

nounced the sale of their combined 75 percent stake in Lincs to UK Green Investment Bank Financial Services managed entities and the UK Green Investment Bank plc (jointly referred to as GIB).

As part of this transaction, Dong Energy, owner of the remaining 25 percent, has agreed with GIB to take over



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operations of Lincs from Centrica for 15 years beginning after a 12-month transitional period after the sale is complete. “We’re delighted to become O&M service provider to Lincs,” said Jens Jakobsson, senior vice president of operations at Dong Energy Wind Power. “It will be the first time we take over O&M of an operating wind farm, which we haven’t constructed ourselves.”

“I wish to thank Centrica and Siemens for a great partnership on Lincs,” Jakobsson said. “We’re now looking forward to further strengthening our relationship with the Green Investment Bank, which is also our partner in the Westernmost Rough Offshore Wind Farm.”

Dong Energy provides O&M service to 16 offshore wind farms across the U.K., Germany, and Denmark. ↘

Source: Dong Energy

For more information, go to [www.dongenergy.com](http://www.dongenergy.com)



The Pacific Guardian is one of two of Global Marine’s maintenance vessels. (Courtesy: Global Marine)

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## Global Marine Awarded Contract Extension

Global Marine Systems Limited, the world leader in subsea cable system design, installation, and maintenance, recently announced it has been awarded the renewal of the Atlantic Cable Maintenance Agreement (ACMA), alongside its Atlantic partner for maintenance services, Orange Marine. The new contract began January 1 and runs through December 2021.

ACMA is a nonprofit cooperative subsea maintenance agreement consisting of 60-plus members. ACMA members are companies responsible for the operations and maintenance of undersea communications and power cables, as well as Oil & Gas Platform operators, in the Atlantic, North Sea, and South Eastern Pacific Ocean. Global Marine has delivered maintenance services across the Atlantic since the first cable was laid

in the 19th century and has been a key supporter of ACMA since its inception in 1965. Global Marine delivers maintenance support in three of the six zone agreements globally.

Global Marine’s dedicated maintenance vessels, the Wave Sentinel and Pacific Guardian, will be servicing ACMA17 from their respective bases in Portland, U.K. and Curacao in the Netherlands Antilles. Both vessels are fitted with powerful remotely operated vehicles, the Atlas and ST200 series respectively, which offer flexible, effective solutions for monitoring, cutting, and burying cable.

Global Marine has played a pioneering role in the development of undersea cable repair and maintenance solutions for well over a century, having performed about 33 percent of all maintenance

operations on fiber-optic cables globally. The company is a founding and current member of the Universal Joint Consortium, an international cross-industry body supporting the manufacturers and consumers of Universal Joint and Universal Coupling technology. Global Marine remains at the forefront of this vital part of the industry through its training school used by many of the key telecoms installation and maintenance companies and cable manufacturers around the world.

“We appreciate the confidence placed in us by the Atlantic Cable Maintenance Agreement members and look forward to ensuring that their cables are effectively protected,” said John Walters, maintenance director for Global Marine. “The resilience of communication networks throughout the Atlantic and western South America is critically important to companies and consumers alike, and Global Marine is proud to again be of service to maintain these vital connections.”

“The contract award is again a vote of confidence in the zone model, where quality of service and vessel availability are the priority of customers and the service provider, and where members are able to participate in the development of the service offering for the future,” Walters said

“We trust the Global Marine and Orange Marine solution,” said Alasdair Wilkie, chairman of ACMA. “Over decades, the two companies have repeatedly demonstrated their pedigree and experience in this highly specialized area.”

Source: Global Marine Systems Ltd.

For more information, go to [www.globalmarinesystems.com](http://www.globalmarinesystems.com)

## FallTech Launches New Self-Retracting Devices

FallTech, a leader in personal safety fall protection products has launched a new family of DuraTech self-retracting devices with a side cable payout, a new generation of SRD. This new SRD is designed with a smoother extension and retraction of the cable that assists in reducing nuisance lock-up. This lets workers move more efficiently on the jobsite while allowing for increased productivity.

“One of the many things we have learned over the years is workers are not gentle with their equipment, so we had to design the DuraTech SRD to be tough,” said Jeff Shipley, director of Marketing. “We constructed the housing of lightweight, durable, corrosion resistant aluminum and also integrated an interlocking feature into the housing that allows the SRDs to stack on top of one another to maximize transport and minimize storage space requirements. We also molded a carrying handle into the housing, so the SRD is able to be moved safely and easily around the job site.”

The DuraTech SRD offers an internal braking system that provides fast acting braking in the event of a fall for maximum stopping power.

A dependable 3/16-inch galvanized wire cable is the lifeline that includes a load-indicating locking swivel carabiner for a safe and secure connection to the workers harness.

To handle a multitude of jobs and industries, FallTech DuraTech SRD comes in lengths of 15, 20, 25, 30, 40, 50, and 60 feet and



The DuraTech self-retracting device. (Courtesy: FallTech)

complies with all applicable ANSI and OSHA standards.

Source: FallTech

For more information, go to [www.falltech.com](http://www.falltech.com)