C-Power Expands Renewable, Autonomous Offshore Power System With RigNet's Data and Communication Solutions

The C-Power AOPS combined with real-time data and communication capabilities from RigNet will unlock massive innovation and growth in the marine economy.

CHARLOTTESVILLE, VIRGINIA, UNITED STATES, March 23, 2021 /EINPresswire.com/ -- Columbia Power Technologies, Inc. (C-Power) and RigNet, Inc. (NASDAQ: RNET), a leading provider of ultra-secure telecommunications and intelligent networking solutions, today announced a collaboration in which RigNet will provide a comprehensive set of data and communications solutions for C-Power's autonomous offshore power systems (AOPS). The solutions will provide upstream and downstream data transfer to and from payloads operating with an AOPS platform.

C-Power's AOPS provide in-situ power, energy storage, and real-time data and communications support that will advance the marine economy toward a future of autonomous, connected and resident technologies. They are designed to support unmanned offshore activities, including subsea vehicles, sensor packages, and operating equipment. When deployed, an AOPS significantly lowers costs and carbon emissions, reduces operational complexity, increases safety, and enables capabilities not available today.

"Data transmission capabilities are just as important as power for offshore systems, and RigNet's hardware and communications services are designed to meet the needs of our customers," said C-Power CEO Reenst Lesemann. "Their data and communications solutions will cover the many use cases we see for AOPS deployment."

RigNet is a global satellite and terrestrial communications and cybersecurity company, delivering advanced machine learning software and secure communications to the energy and maritime sectors for decades. RigNet solutions connect, secure, and capture actionable intelligence from distributed assets such as the payloads supported by a C-Power AOPS. Together, the C-Power AOPS combined with the real-time data and communication capabilities provided by RigNet will enable the digital and electric transformation necessary to unlock massive innovation and growth in the marine economy.

"C-Power is the technology leader for at-sea renewable energy, and we are excited to work with C-Power to expand the remote communications and data capabilities of AOPS," commented

retired rear admiral Jamie Barnett, RigNet's Senior Vice President for Government Services. "We believe the world needs more sustainable energy options, and we want to help drive innovation in this field via our smart, secure connectivity."

A C-Power AOPS can be deployed in several scenarios to serve diverse customer activities, ranging from meeting the needs of a subsea sensor with low power and low bandwidth requirements to underwater vehicles with charging and remote command and control needs that require more than a kilowatt of generating capacity, energy storage and 300 Mbps of bandwidth.

Later this year, RigNet will be among C-Power's partners for a demonstration of the SeaRAY AOPS in partnership with the U.S. Department of Energy and U.S. Navy at the Navy's Wave Energy Testing Site (WETS), located off Marine Corps Base Hawaii on the island of Oahu, Hawaii.

The SeaRAY AOPS at WETS is a moored configuration consisting of a surface wave energy converter; a single, combined mooring, data, communications and power cable; and a seafloor base unit that provides 50 kWh of energy storage for payload operation. The SeaRAY, which will support several payloads during the deployment, has been developed under a DOE-sponsored research and development program.

C–Power has initiated commercial launch of the SeaRAY AOPS.

About Columbia Power Technologies, Inc. (C·Power)
Columbia Power Technologies, Inc. (C-Power) delivers the products the marine economy needs to change the ocean from a power desert into a power- and data-enriched environment. As a worldwide leader in wave energy systems, C-Power is developing reliable, sustainable, cost-effective energy generation and storage solutions that are easy to transport and deployable anywhere in the world for a wide range of applications benefitting critical industries such as offshore energy, defense and security, aquaculture, science and research, and communications. Based in Charlottesville, Virginia, with product development in Corvallis, Oregon, the C-Power team brings more than 150 years of successful management, operating and engineering experience. Learn more at cpower.co or connect with C-Power on LinkedIn.

About RigNet, Inc.
RigNet (NASDAQ: RNET) delivers advanced software and communications infrastructure that allow our customers to realize the business benefits of digital transformation. With world-class, ultra-secure solutions spanning IP connectivity, bandwidth-optimized Over-the-Top applications, Industrial-IoT big-data enablement, and industry-leading machine learning analytics, RigNet supports the full evolution of digital enablement, empowering businesses to respond faster to high priority issues, mitigate the risk of operational disruption, and maximize their overall financial performance. RigNet is headquartered in Houston, Texas with operations around the world. For more information, please visit http://www.rig.net.

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