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**Off-Grid Wind and Weather Monitoring Enabled with Industry's
Smallest and Lightest Ultrasonic Anemometer**

Expanded Functionality the Result of Partnership with FlexSCADA

Chicago, IL – (April 29, 2019) AUVSI XPONENTIAL (Booth 1827) – Anemoment LLC, a specialized meteorological instrument design firm located in Longmont, CO, announced today integration of the TriSonica™ Mini Wind and Weather Sensor with the Flex Q-Series off-grid SCADA equipment developed by FlexSCADA, a subsidiary of Com Com Services Ltd. The TriSonica Mini Wind and Weather Sensor (FlexSCADA edition) is a drop-in solution incorporating flexible and efficient ways to log data from the device, to interact with it, and to troubleshoot it—over a modern and efficient internet connection from either Ethernet or Narrowband LTE. Users will now have the ability to remotely monitor and evaluate winds for future installations of telecom towers and wind turbines (Figure 1) without the cost of a large microwave backbone—doing all this with extremely low power consumption (typically as low as 0.4 watts).

“For our clients in the remote repeater market, including those monitoring telecom towers and wind turbines, reliability and power consumption are key,” states Jon Mundall, Managing Director—Engineering Services, FlexSCADA. “We have brought to the TriSonica Mini Wind and Weather Sensor a new level of accessibility and transparency our customers and clients can leverage in monitoring and evaluating wind and weather.”

The TriSonica Mini Wind and Weather Sensor (FlexSCADA edition) supports a variety of industry-standard protocols including SNMP, HTTP and Modbus with full IPv4 and IPv6 support. Users can now log into their TriSonica Mini from their smartphone, their tablet, or their computer and see real-time data from their device resulting in easier deployments, integration and connectivity for operators and integrators around the globe.

In addition to providing complete wind statistics (wind speed, direction, temperature, moisture borne in the wind, dew point, and air density), the TriSonica Mini Wind and Weather Sensor (FlexSCADA edition) combined with the FlexSCADA Q5 allows users autonomous monitoring and control of their micro wind turbines, enabling remote and automatic shut down of turbines in high wind situations—disconnecting it from the battery pack to protect your battery bank from harm.

About the TriSonica Mini Wind and Weather Sensor

The TriSonica Mini Wind and Weather Sensor optimizes size, weight, and power (SWAP) variables. As the world's smallest and lightest 3D ultrasonic anemometer, the TriSonica Mini Wind and Weather Sensor has proven to be both reliable and accurate in a variety of applications where atmospheric conditions need to be monitored. Given their diminutive size they are well suited for portable, temporary deployments, while the fact they have no moving parts, thus eliminating maintenance issues, makes them ideal for permanent installations.

About Anemoment LLC

Anemoment LLC is a specialized meteorological instrument design firm located in Longmont, CO. Anemoment brings you the world's smallest and lightest 3-dimensional ultrasonic anemometer. Small enough to fit in the palm of your hand, the TriSonica Mini is a highly accurate, powerful tool for anyone involved in atmospheric monitoring,



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weather reporting, turbulence calculations, and ecosystem research. Its size makes it well suited for portable, temporary deployments, while the fact it has no moving parts, thus eliminating maintenance issues, makes the TriSonica Mini perfect for permanent installations. With its exclusive wave signal noise reduction technology, the TriSonica Mini Wind and Weather Sensor is patent pending. Anemoment gives you the power to “Know the Wind.”

About FlexSCADA Systems

FlexSCADA Systems is a subsidiary company of Com Com Services Ltd and is owned and operated from their headquarters in Lytton, BC Canada. FlexSCADA specializes in modern and reliable solutions for off-grid SCADA. It's products have been deployed around the world to monitor remote telecommunication sites, seismic stations and oil/gas sites where they have garnered a reputation for reliability, usability and performance. FlexSCADA offers a line of off-the-shelf embedded control and monitoring products with Ethernet or LTE connectivity. FlexSCADA also provides custom design and engineering solutions for requirements outside our standard products. Our engineers each have as much as 30 years of experience in embedded controls technology. All products are proudly designed and made in Canada.

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Figure 1- Example of remote off grid repeater site that will be monitored by the TriSonica Mini and Flex Q-Series SCADA equipment.