



Revolutionizing Air Medical Solutions: Spectrum Aeromed's Cutting-Edge LOX Solutions

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FARGO, ND — Spectrum Aeromed has solidified its leadership in the air medical equipment industry by partnering with Essex Industries to integrate Liquid Oxygen (LOX) solutions into their cutting-edge medical transport equipment. Since its establishment in 1991, Spectrum Aeromed, headquartered in Fargo, North Dakota, has been a trusted provider of modular and custom-built air medical equipment for helicopters and fixed-wing aircraft. Notably, the company has recognized a global trend towards the utilization of longer-range fixed-wing aircraft for medical transport, enabling patients to access specialized treatment facilities.

Spectrum Aeromed has responded to industry changes with innovative oxygen storage solutions. LOX technology, provided by Essex Industries, a leader in liquid oxygen equipment, has been seamlessly incorporated into five of its supplemental type certificate (STC) applications: AgustaWestland AW109/119, Bell 407, Bell 429, King Air 300 Series, and Pilatus PC-12 aircraft. LOX technology offers significant size advantages, with a 10,000-liter orb, (size of a basketball) that enables extended missions, versus the standard 3,500-liter compressed tank (8x40 inches).

"Essex Industries values our partnership with Spectrum Aeromed because of their customer-centric approach and unwavering commitment to providing integrated LOX solutions. We have observed a growing demand for these solutions in the aviation industry, both domestically and internationally, due to the benefits they offer in terms of safety, costs, and operational efficiency. We are excited to be a part of Spectrum Aeromed's positive impact on the air ambulance/EMS industry," said Vicki Pettus, Senior Contracts Administrator at Essex Industries.

Customer collaboration remains integral to Spectrum Aeromed's ongoing success and its mission to continue saving lives through innovative air medical equipment. The integration of LOX solutions exemplifies the dedication to meeting the growing demands of air medical teams. In the five years since providing its initial LOX system on a King Air 350, the company has extended LOX technology to various aircraft models, including 3 Pilatus PC-12s, 6 AgustaWestland AW119s, 17 Bell 407s, and 5 Bell 429s.

"We are fortunate to have Spectrum Aeromed LOX solutions in a number of our airframes, including our latest Bell 407 fleet acquisitions. During the last few years, we have experienced patients with increased oxygen demands due to severe respiratory illnesses. This additional capacity provides flexibility on flight

distances and back-to-back missions without the need for refilling. This adds confidence for me as a clinician to meet patients' oxygen demands regardless of the mode of respiratory support they demand," said Brian Rogge, Director of Clinical Services at Life Flight Network.

"We are excited about the work Life Flight Network and Spectrum Aeromed have been doing to finalize the LOX solution to our fixed-wing aircraft. It is a great partnership that demonstrates the commitment that Spectrum Aeromed has for customer support and product development," Rogge added.

Spectrum Aeromed foresees continued growth in LOX certifications as client needs evolve rapidly. Essex LOX equipment will be on display at Spectrum Aeromed's booth N4331 at NBAA-BACE in Las Vegas, NV (October 17-19), and booth 1515 at AMTC in Columbus, OH (October 23-25).

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About Spectrum Aeromed: Spectrum Aeromed is a leading global designer and manufacturer of custom air medical and air ambulance equipment for fixed and rotor-wing aircraft. Spectrum Aeromed's modular and custom-built air medical equipment is used by all segments of the aviation industry, including charter services, private/VIP operators, royal families, emergency medical services (EMS) and search and rescue (SAR) operations, hospitals, and corporations, as well as domestic and international military and government entities. The company is qualified to produce specialized life support solutions for air, ground, and marine support applications. Spectrum Aeromed holds more than 90 Supplemental Type Certificates (STCs) covering more than 450 models of aircraft. Spectrum Aeromed is headquartered in Fargo, ND with a 17,000-square-foot manufacturing facility. For more information, visit www.spectrum-aeromed.com.

About Essex Industries: Essex Industries is a world leader in the design, development, production, and support of aerospace, oxygen life support, and safety products and systems. Our unique product lines include ground-based and airborne med-evac liquid oxygen (LOX) life support systems. As a leading provider of FAA/CAA/CAAC/ANAC-approved and mandated emergency portable breathing equipment, Essex also supplies emergency oxygen protection to military and commercial crews worldwide. On board nearly every US fighter, trainer, bomber, cargo aircraft, and various ground combat vehicles currently in operation worldwide, Essex is also a leading manufacturer of platform controls/human-machine interfaces and aircraft components. Over the past 75 years, Essex Industries has established a reputation for providing engineered solutions with exacting quality standards and precision manufacturing expertise. In its five locations in St. Louis, MO, Huntington Beach, CA, and Milford, CT, Essex reaches coast to coast. For more information, visit www.essexindustries.com.

About Life Flight Network: Life Flight Network exists to fulfill its mission of saving lives through industry leading care and transport. It is the largest not-for-profit air medical service in the United States and is accredited by national and international accrediting bodies for safety, operations, and clinical excellence. Life Flight Network maintains its own FAA Part 135 Operating Certificate, offering ICU-level care during air and ground transport across the Pacific Northwest and Intermountain West. Headquartered in Aurora, Oregon, Life Flight Network has been operating for nearly 45 years and is owned by a consortium of Legacy Health, Oregon Health and Science University, Providence Health and Services, and Saint Alphonsus Regional Medical Center. It was named the 2021 Program of the Year by the Association for Air Medical Services. For more information about Life Flight Network or to become a member, visit www.lifeflight.org.



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