

FOR IMMEDIATE RELEASE

**AEROS AWARDED PATENT FOR CARGO AIRSHIP TECHNOLOGY BREAKTHROUGH**

**INVENTS AND DEMONSTRATES FLIGHT SYSTEM FOR A CONSTANT VOLUME VARIABLE BUOYANCY AIR VEHICLE, WITH ONBOARD ‘CONTROL-OF-STATIC-HEAVINESS’ MANAGEMENT**

**Innovation Enables Cargo Airships Capable of Infrastructure Independence and Cost-Efficient Global Freight Transport**

**LOS ANGELES (May 12, 2015)** – Worldwide Aeros Corp. (Aeros), announced today that The United States’ Patent and Trademark Office (USPTO) has granted U.S. patent number 9,016,622 for the cargo airship’s ‘Flight System for a Constant Volume Variable Buoyancy Air Vehicle,’ with Onboard ‘Control-of-Static-Heaviness’ (COSH) Management



The receipt of this patent marks a game-changing advancement in the field of aviation. COSH technology overcomes a historical limitation of airships regarding their need for external ballast, and now permits the aircraft type to engage in a broad set of new missions including long-range, heavy-lift cargo transport.

*“Large capacity airships have long been a dream for cargo logistics flexibility, but impracticable, because if you off-loaded 100 tons your helium filled aircraft will float away if not first loaded with 100 tons of ballast at your pre-determined destination. Inefficient and*

*limiting, this is why airships never transitioned into cargo airships,”* explains **Igor Pasternak**, COSH Inventor and CEO at Aeros. *“This patent will permit only Aeros and our partners to leverage the empowerment of true VTOL in global heavy airlift, and the independence from off-board ballast and ground infrastructure this capability provides.”*

Supporting infrastructure independence unique from all existing transport modes, the proven COSH technology empowers exciting new opportunities in global commercial logistics, military logistics, and disaster relief response, among many others. Greatly surpassing the speed of cargo ships in global logistics, transport airships are poised to dramatically increase heavy cargo lift capability and destination alternatives, while reducing the current cost of air delivery on a ton/mile basis. Further, they’ll significantly reduce fuel consumption for aircraft operations, permit new heavy load operations in remote areas, and radically alter the hub and spoke distribution structure to one of direct and flexible air delivery.

The patent protects Aeros’ proprietary technology for buoyancy management and flight principle empowering the Aeroscraft’s vertical takeoff-landing (VTOL) capabilities at maximum payload without ballast requirements.

The technology has been successfully demonstrated by an Aeroscraft prototype (*video overview at <https://www.youtube.com/watch?v=p9Jl3MJh0II>*), and will allow the Aeroscraft to operate as a lighter-than-air vehicle (LTA) when flying, yet become heavier-than-air when needed to accommodate weight changes during payload removal, and to support ground operations.

The success of the Aeroscraft technology demonstration vehicle (Pentagon’s ‘Project Pelican’) is a motivating factor cited for the recent creation of a Cargo Airship Congressional Caucus in Washington. The new caucus will encourage the development of these revolutionary aircraft for military and civilian cargo transport, as well as support the emerging industry and leadership position of American firms.

**About Aeros:** Founded more than 28 years ago, the Aeroscraft Corporation (Aeros) is the world’s most innovative lighter-than-air, FAA-certified aircraft manufacturing company. Aeros has achieved multiple FAA airship type certificates and operates with an FAA Production Certificate, while featuring a product line that includes advanced airships, tethered aerostats and the Aeroscraft cargo airship. Learn more at [www.aeroscraft.com](http://www.aeroscraft.com); (High-Res Image Gallery: <http://aeroscraft.com/image-gallery/4586675234>)

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