



Autonomous Control Systems Laboratory Ltd. (ACSL)

Aeronext Inc.

October 4, 2019

ACSL and Aeronext initiate development of a new industrial drone with center of gravity control technology “4D GRAVITY®”

Autonomous Control Systems Laboratory Ltd.(ACSL) hereby announces that it will collaborate with Aeronext Inc. (CEO Keisuke Toji, Tokyo, Japan; hereinafter “Aeronext”) to initiate development of a new industrial drone with center of gravity control technology called “4D GRAVITY®”, a technology that enables safer flight and higher reliability.

Aeronext promotes center of gravity control technology called “4D GRAVITY”, a technology that controls the changes in center of gravity when loads are placed on the drone. This technology enables safer flight and higher reliability. Coupling this with ACSL’s development know-how on industrial drones and autonomous control technology using image processing and artificial intelligence, ACSL and Aeronext will initiate development of a new, safer and more efficient industrial drone for infrastructure inspections, delivery and postages, and disaster reconnaissance. Upon completion of the development, the corresponding drone will be added to ACSL’s industrial platform drone line-up, also known as the PF-Series.

Aeronext develops proprietary center of gravity control technology called “4D GRAVITY®” to realize the ideal body frame for drones through fundamental revisiting of body structures. This technology enables more stable and reliable industrial drone applications that could not have been achieved with contemporary drones. In addition to this technology, Aeronext builds strong patent portfolio to standardize 4D GRAVITY® technology and promotes licensing business globally.

ACSL provides an integrated, autonomous, unmanned IoT drone systems to supplement human labor in inspection, delivery, disaster reconnaissance and aerial surveys. ACSL’s core technology is in the integrated drone controls, especially in its capability to fly autonomously using image processing and



artificial intelligence, a field known as edge-computing technology.

ACSL and Aeronext share a common vision - "Drone premise society" and "Building a new airspace economy". The two companies will continue exchange know-hows and technology to provide highly efficient and effective industrial drones to market and realize wide industrial applications of drones.

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