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# NEWS RELEASE



August 31, 2020

Aeronext Inc.

Autonomous Control Systems Laboratory Ltd.

## **Aeronext and ACSL signs license agreement in sight of joint development and production of application specific drones with 4D GRAVITY®**

Aeronext Inc. (Shibuya Ward, Tokyo; Keisuke Toji, CEO; hereinafter referred to as "Aeronext") and Autonomous Control Systems Laboratory Ltd. (Edogawa Ward, Tokyo; Satoshi Washiya, President and COO; hereinafter referred to as "ACSL", TYO:6232) announced today that the two parties have signed a joint development agreement for development of an industrial drone with 4D GRAVITY® structural design technology and a license agreement for manufacturing and sales of the corresponding drone.

The two companies collaboratively use 4D GRAVITY® to improve stability, efficiency and maneuverability for application specific drones that ACSL develops, primarily in the delivery application. Aeronext and ACSL will continue to contribute to the development and growth of the drone industry.



(From the left) Satoshi Washiya, President and COO of Aeronext and Keisuke Toji, CEO of Aeronext



4D GRAVITY® logo

ACSL finds that the use of 4D GRAVITY® structural design technology will improve basic performance of drones, such as safety and wind resistance. The conclusion of the 4D GRAVITY® license agreement, as the 1<sup>st</sup> licensee, will enable ACSL to develop, manufacture and sell 4D GRAVITY®-equipped drones.

The primary focus will be installation of 4D GRAVITY® structural design technology to drones in the delivery application. The two companies will continue to pursue the use of 4D GRAVITY® to other industrial applications, e.g., inspection, disaster prevention.

The two companies announced in October 2019 that they have begun development of a new industrial drone powered by Aeronext's 4D GRAVITY®. While the two companies have been conducting joint research and development, the closure of the joint development and licensing agreement will further promote joint development and contribute to the accelerated growth of the drone industry.

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## [Reference]

\*1 Structural design technology that optimizes the center of gravity of the aircraft to make the motor speed uniform regardless of the attitude, state, and movement during flight, and improves the basic performance of the industrial drone in areas such as stability, efficiency, and mobility. This technology is characterized by a coupling structure between the airframe and payload. Aeronext patents this technology and manages its 4D GRAVITY<sup>®</sup> patent portfolio. By improving the basic performance industrial drones, 4D GRAVITY<sup>®</sup>, expands the applications of industrial drones allowing for expanded markets.

## [Aeronext Inc.]

Aeronext is a company that designs the sky through technology in order to create a world where the sky becomes social infrastructure, economized, and drones are used to solve social issues.

The core technology is 4D GRAVITY<sup>®</sup>, a proprietary structural design technology that improves the basic performance of industrial drones in areas such as stability, efficiency, and mobility, by optimizing the center of gravity of the aircraft. Aeronext has established a robust patent portfolio to incorporate 4D GRAVITY<sup>®</sup> as a standard feature on industrial drones, and is promoting a partnership-based platform business based on 4D GRAVITY<sup>®</sup> licenses on a global scale.

\* Company Profile : <https://aeronext.com/company/>

## [Autonomous Control Systems Laboratory Ltd.]

ACSL develops, manufacture, and commercialize industrial drones in order to realize labor-saving and unmanned operations in the industrial field. The core technology is in its proprietary autonomous control technology and industrial drones equipped with image processing and AI edge computing technology. Drones are already used in various fields such as infrastructure inspection, postal and logistics, and disaster prevention.

\* Company Profile : <https://www.acsl.co.jp/en/company/>

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