

【MiratecDrone Corp.】**Launch of Japan's First "Drone Building Inspection Safe Operator Course" for Developing Skilled Exterior Wall Inspectors Using Drones**

MiratecDrone Corp. (head office: Shinagawa-ku, Tokyo; President: Yasuyuki Sasaki; "MiratecDrone"), which is a Group company of Major telecommunications construction company MIRAIT ONE Corporation (head office: Koto-ku, Tokyo; President and Chief Executive Officer: Toshiki Nakayama; "MIRAIT ONE") will launch a "Drone Building Inspection Safe Operator Course" for developing skilled exterior wall inspectors using drones on January 24.

The launch of the course is the first of its kind in Japan, and was brought about by Japan Architectural Drone Association (Chiyoda-ku, Tokyo; Chairman: Kenji Motohashi; "JADA") and Japan UAS Industrial Development Association (Bunkyo-ku, Tokyo; President: Shinji Suzuki; "JUIDA") coming to an agreement to create an education business for developing drone pilots with safe flying skills for building inspections and surveys in June 2022.

Due to the enforcement of revision of notice of the periodic reporting system under Article 12, paragraph (1) of the Building Standards Act by the Ministry of Land, Infrastructure, Transport and Tourism in April 2022, it became possible to perform exterior wall inspections and surveys using drones equipped with infrared devices. Also, the Civil Aviation Bureau of the Ministry of Land, Infrastructure, Transport and Tourism partially revised the Regulation for Enforcement of the Civil Aeronautics Act to no longer require applying to the Civil Aviation Bureau for a permit required for flying drones in areas with concentrated population, etc. by using tethering equipment under certain conditions. As a result, the utilization of drones in inspections and surveys of buildings' exterior walls is expected to grow significantly due to the labor shortage, cost reduction perspectives and the wave of digitalization. Meanwhile, there are concerns about the frequent occurrence of accidents such as crashes in drone flight in the vicinity of buildings where operation is difficult. Based on this, MiratecDrone decided to launch this course to develop professional drone pilots for inspections and surveys of exterior walls.

The in-class lessons in the course will enable participants to learn about knowledge on safety management, shooting procedures, tethering basics, and drone flight plan preparation. In practical lessons, they will learn about safety management, flying, shooting techniques and tethering techniques. Course participants who complete the three-day curriculum will be awarded a "Drone Building Inspection Safe Operator Certificate" by JADA and JUIDA.

In providing this course, MiratecDrone expects 50 people to complete the course in the first year, and aims to expand nationwide from the second year by leveraging partner companies and its instructor network throughout Japan.

The details are as shown in the Attachment.

<About MIRAITS ONE Corporation>

MIRAITS ONE Corporation was launched on July 1, 2022 through the integration of MIRAITS Holdings Corporation, MIRAITS Corporation, and MIRAITS Technologies Corporation. MIRAITS ONE has established “co-creating an exciting future through challenges and technology” as its purpose (significance of existence), and is engaged in the resolution of issues faced by customers and society and regional revitalization by promoting initiatives such as urban and regional development, corporate DX and GX, green business and global business based on the technical capability cultivated until now in telecommunications facility construction and the civil engineering business.

<About MiratecDrone Corp.>

MiratecDrone Corp. was established as a company specializing in the drone business in 2020. It provides all-in-one drone services such as drone schools for developing drone pilots, drone operation services for performing flights and data collection according to requests from customers, and the sale of drones and system solutions.

<About Japan UAS Industrial Development Association (JUIDA)>

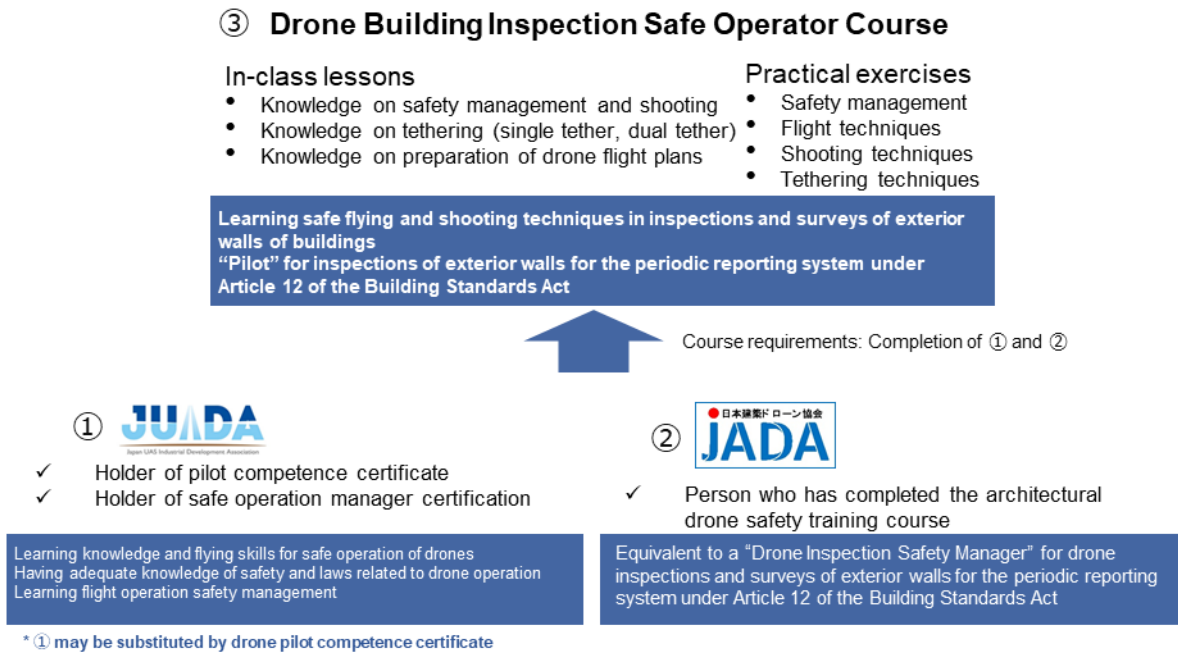
Japan UAS Industrial Development Association was established in July 2014 for the purpose of contributing to the creation of new industries and markets for drones, and the sound development of industry. It provides safety measures related to drone operation such as formulation of safety guidelines specifying safe operation rules and manners, granting pilot competence certificates and safe operation manager certification, and certification of training organizations.

<About Japan Architectural Drone Association (JADA)>

Japan Architectural Drone Association is working to contribute to the realization of a safe, secure and sustainable society by training personnel capable of utilizing drone technology in various operations in the field of architecture, providing technical support and performing standardization.

■ Positioning of the “Drone Building Inspection Safe Operator Course”

The positioning of the “Drone Building Inspection Safe Operator Course” is shown in the figure below. People who have completed ① the JUIDA flight skill course and ② the JADA architectural drone safety training course are able to take ③ the Drone Building Inspection Safe Operator Course and to obtain an attendance and completion certification of the Course.



■ About the curriculum

The course is made up of in-class lessons and practical lessons over a three-day curriculum.

Day	Item	Details	Units	
Day 1	In-class lessons	Knowledge on safety management and shooting	Pre-inspections, implementation of inspections, preparation of reports	4 hours
		Knowledge on tethering	Tethering basics Single and dual tethers	1 hour
		Knowledge on preparation of drone flight plans	Pre-inspections, completing drone flight plans, checking correct answers	1 hour
Day 2 Day 3	Practical exercises	Safety management	Pre-inspections, installation and removal of regulated materials, airframe checks	1 hour
		Flight techniques*1	Drone inspections, confirmation of shooting techniques	3 hours
		Shooting techniques*1	Confirmation of camera settings, visible image shooting, and infrared image shooting(*2) and their respective flight methods, drone and exterior wall orientations, distance and flight speed by shooting targets	3 hours
		Tethering techniques*1	Single tether (human power, operation of tether, flight) Dual tether (flight experience)	2 hours

■ Course overview

Venue: Mirai College Ichikawa Campus, MIRAIT ONE Corporation, 4-8-8 Baraki, Ichikawa-shi, Chiba
 Course fee: 360,000 yen per person (excluding tax)
 Minimum participants: 3