

June 17, 2020

**MIRAIT Holdings Corporation****[ MIRAIT Technologies Corporation ]****“MiratecDrone Corp.” Established as New Company  
for Drone Business****To commence provision of three new services on July 1**

MIRAIT Technologies Corporation (head office: Osaka-shi, Osaka; President: Kouichi Takahatake; “MIRAIT Technologies”), which is a consolidated subsidiary of MIRAIT Holdings Corporation, will establish MiratecDrone Corp. (head office: Shinagawa-ku, Tokyo; President: Yasuyuki Sasaki; “MIRATECDRONE”) on July 1, 2020 to specialize in the drone business.

MIRAIT Technologies sees drones to be “moving sensors” and entered the drone business in 2017 as an area with unlimited potential in the area of IoT moving forward. The company has provided services such as a drone school business, inspection of various facilities and buildings, drone operation for other business operators, and has trained approximately 600 pilots at its drone schools. Furthermore, in its inspections of various facilities and buildings, MIRAIT Technologies has actively collaborated and formed alliances with other companies to provide services with advanced functions such as 3D autopilot, flight management, real-time relays, high-speed image transmission, and image analysis. The drone operation service is provided by over 150 pilots who have obtained advanced skills such as agricultural spraying and surveying. More than 3,000 flights have been conducted when combining inspection operations and the drone operation service, resulting in the accumulation of advanced flight and operation know-how in a variety of areas as the company has worked to enhance the functions of its comprehensive drone service.

Meanwhile, the market for the drone business in Japan is steadily expanding in a wide range of areas such as agriculture, infrastructure inspection and surveying, and the market is expected to expand particularly in the area of structural inspection as infrastructure ages. In such a market environment, because the expansion of the drone market is anticipated to accelerate further in future, and the company has established a system including technology and personnel for providing a wide range of services at the top class in the industry, it has decided to establish MIRATECDRONE as a new company to speed up decision making, and further expand business by providing

services to infrastructure companies, local governments, building management companies and agricultural corporations through the provision of a broad service menu centered on the area of facility inspection.

In particular, MIRATECDRONE will conduct business in the three areas of Alliances, Sales & Systems, and Human Resources & Schools. In the central area of Alliances, the company will work to expand not only photography, but also advanced image analysis and surveying services in the areas of infrastructure inspection and agriculture. Furthermore, in the area of Sales & Systems, in addition to the sale and leasing of drone equipment, it will strengthen its business by providing maintenance services and consulting for the creation of drone operation systems. Moreover, it will provide basic skill training for piloting drones, in addition to operating specialized schools for skills such as structural inspection and surveying.

Furthermore, starting on July 1, the company will begin providing Drone Park Manager supporting the management of large parks, Drone Water Checker supporting water quality inspections in water reservoirs and High Quality Turf Management System supporting golf course turf management as new services utilizing the results of trials related to facility inspection.

Through these businesses, it aims for sales of 320 million yen in the first year and 1.03 billion yen in five years from now.

## Overview of MiratecDrone Corp.



Established: July 1, 2020

Representative: Yasuyuki Sasaki, President

Head office address: Miratec Daiichi Building, 1-20-10 Ebara, Shinagawa-ku, Tokyo

Paid-in capital: 100 million yen (Capital reserve: 100 million yen)

Shareholders: MIRAIT Technologies Corporation 100%

Employees: 14

Business locations: Drone Technoport Kobe  
3-1-10 Koyochonishi, Higashinada-ku, Kobe-shi, Hyogo  
Drone Technoport Kumagaya  
345-1 Muraoka, Kumagaya-shi, Saitama

Business lines: Data collection and analysis using drones, sales and system development, schools

## Overview of New Services

- **Drone Park Manager system supporting the management of large parks**

In large parks and leisure parks, management companies perform an enormous volume of operations such as safety management of expansive areas and inspections of many facilities in a short time. The system is a system that utilizes drones to improve the efficiency and increasing the sophistication of a variety of management operations such as management of the condition of the entire area and deterioration of key facilities and vegetation, and has the following functions.

- (1) Drones take photographs of the entire area, and the images are used to inspect for any anomalies
- (2) The images of the site taken in (1) are relayed to the office in real time
- (3) Inspections of high locations in park buildings and facilities are conducted safely using drones

These functions make it possible to reduce management operations and improve inspections.

- **Drone Water Checker service supporting reservoir water quality inspections**

Waterworks business operators periodically conduct water quality inspections of reservoirs by taking water samples in a boat and performing visual inspections of the occurrence of algae. This system uses drones to improve the efficiency of water quality inspections of reservoirs, and includes the two types of system below.

- (1) Drones are used to take water samples for water quality inspections

It is a system in which a drone is piloted from the reservoir shore to be flown to any part of the reservoir to take a water sample. It is possible to take water samples much more quickly and safely than the conventional method using a boat.

- (2) Inspection of the occurrence of algae in the water

It is a system enabling the visualization of the occurrence of algae in the water by analyzing images taken by a drone equipped with a multispectral camera. It was difficult to determine the occurrence of algae in the water by visual inspections, and this system makes it possible to take measures to address the algae more quickly.

- **High Quality Turf Management System service supporting golf course turf management also enabling inspections of turf and tree vitality**

There is currently a shortage of personnel with many years of experience conducting operations for maintaining the condition of large areas of turf on golf courses. This is a

system enabling the visualization of the condition of turf by analyzing images taken by a drone equipped with a multispectral camera. The system enables greenkeepers to conduct visual inspections in a short period of time, and also makes it possible to take steps more quickly because the deterioration of vitality which cannot be ascertained by visual inspection can be determined.

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