

March 7, 2022

Demonstrated “Air Mobility Integrated Flight Management”, platform business in Osaka



Helicopter operated/AS350B3

We, Aero Asahi Corporation (Headquarters: Tokyo, Toshinori Ogure, CEO) organized a consortium with Mitsui&Co., Ltd. ,Japan Aerospace Exploration Agency (JAXA) and Terra Drone Co. , to apply for Osaka Prefecture project “Air Mobility Integrated Flight Management Platform Business” and was adopted on August 27, 2021 (https://www.aeroasahi.co.jp/english/uas/files/pdf/news_20200909.pdf).



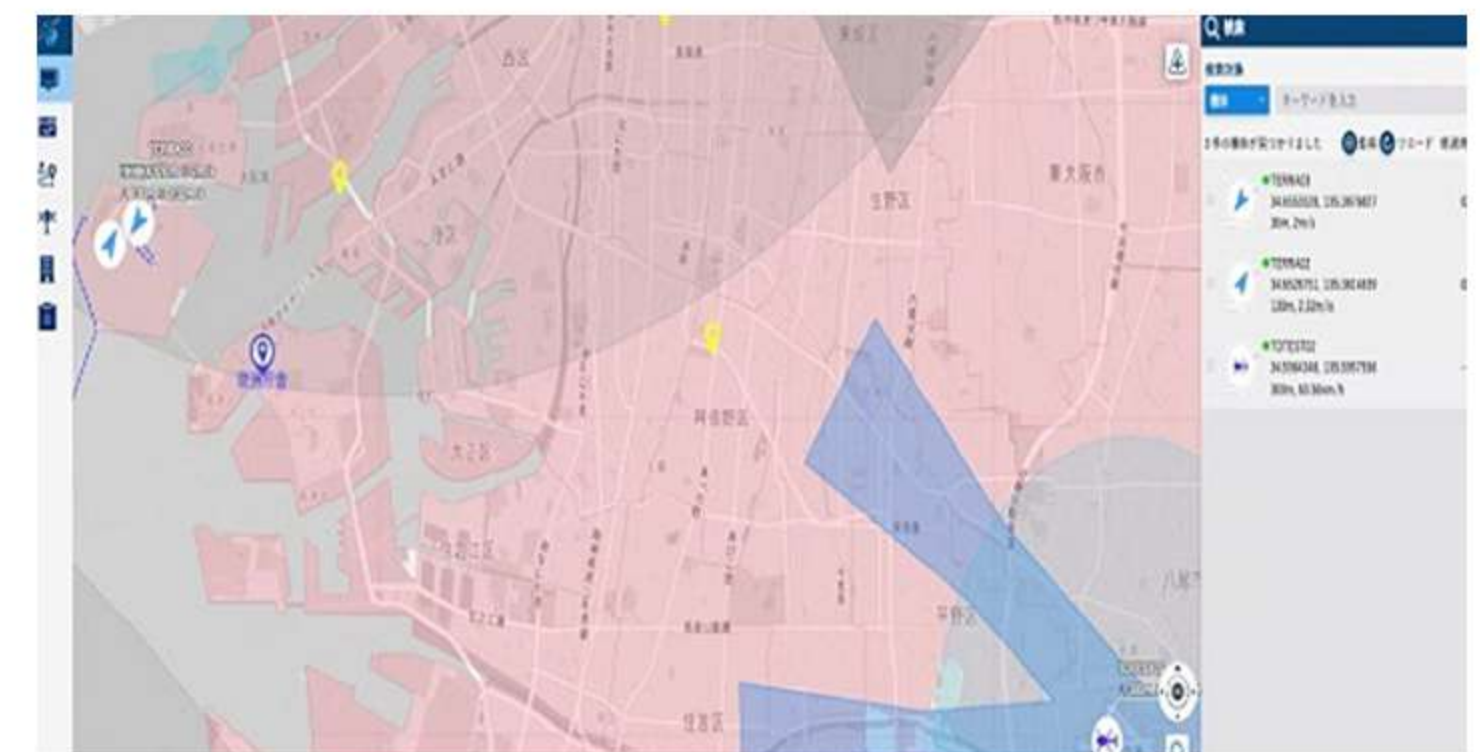
For this project, we verified a capability of the operation management system which do the safe and effective flights where various air mobility such as flying cars, helicopters and drones is flying. We did this demonstration for the future flying car services in urban area in Osaka on February 2022.

◀ Air space control room for “Air mobility integrated flight management platform business”

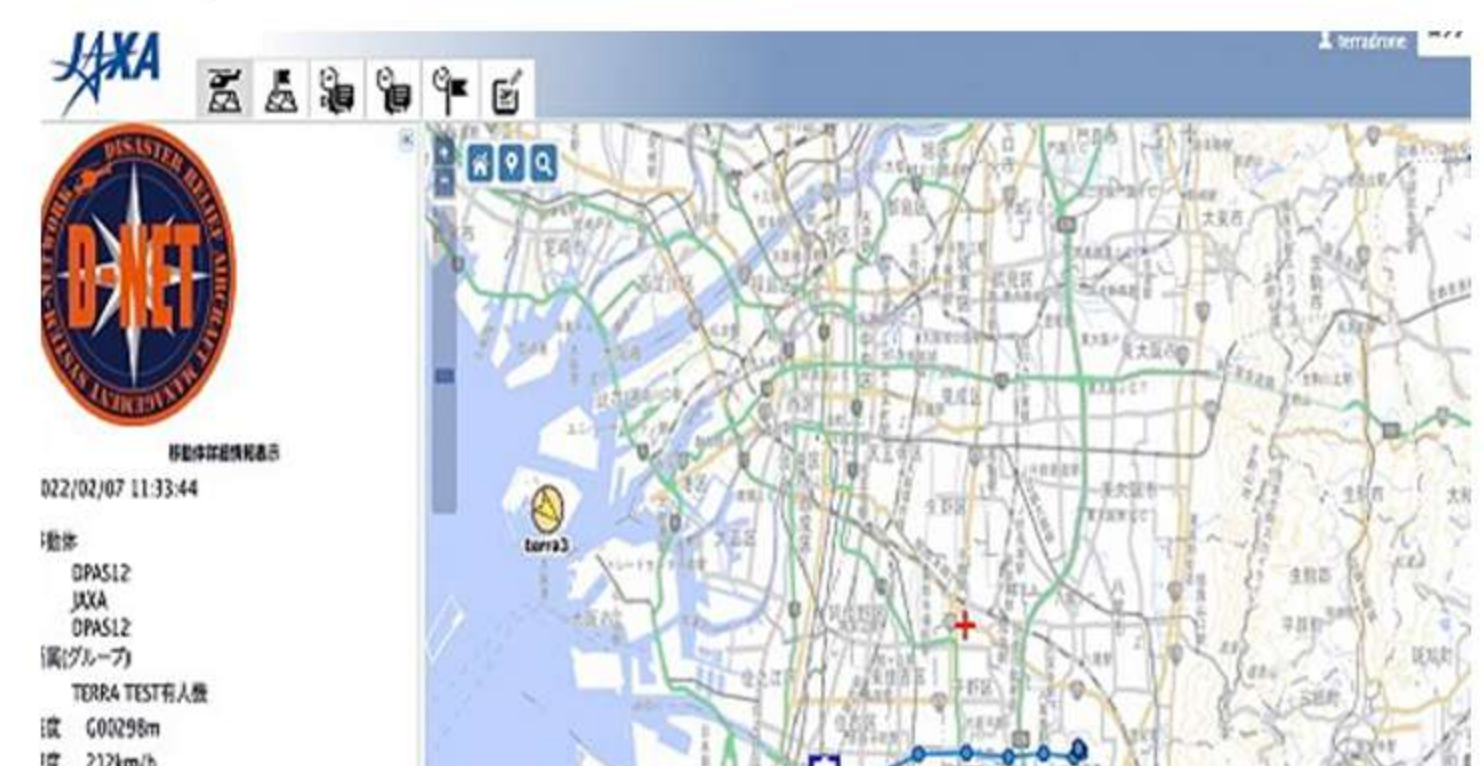
Demonstration overall

This consortium is to do the flying car services in urban area in the future. Osaka or the operation site this time, is the second largest area in Japan, and is preparing for the “Osaka Expo” in 2025. Osaka is also known for the most capable city to do the flying car services in Japan. It is important to make the operation management system which do a safe and effective flights where various air mobility is flying under various situation.

To connect the data among the various air mobility safely and cooperatively, we verified JAXA’s technology “D-Net”.



Sample D-NET

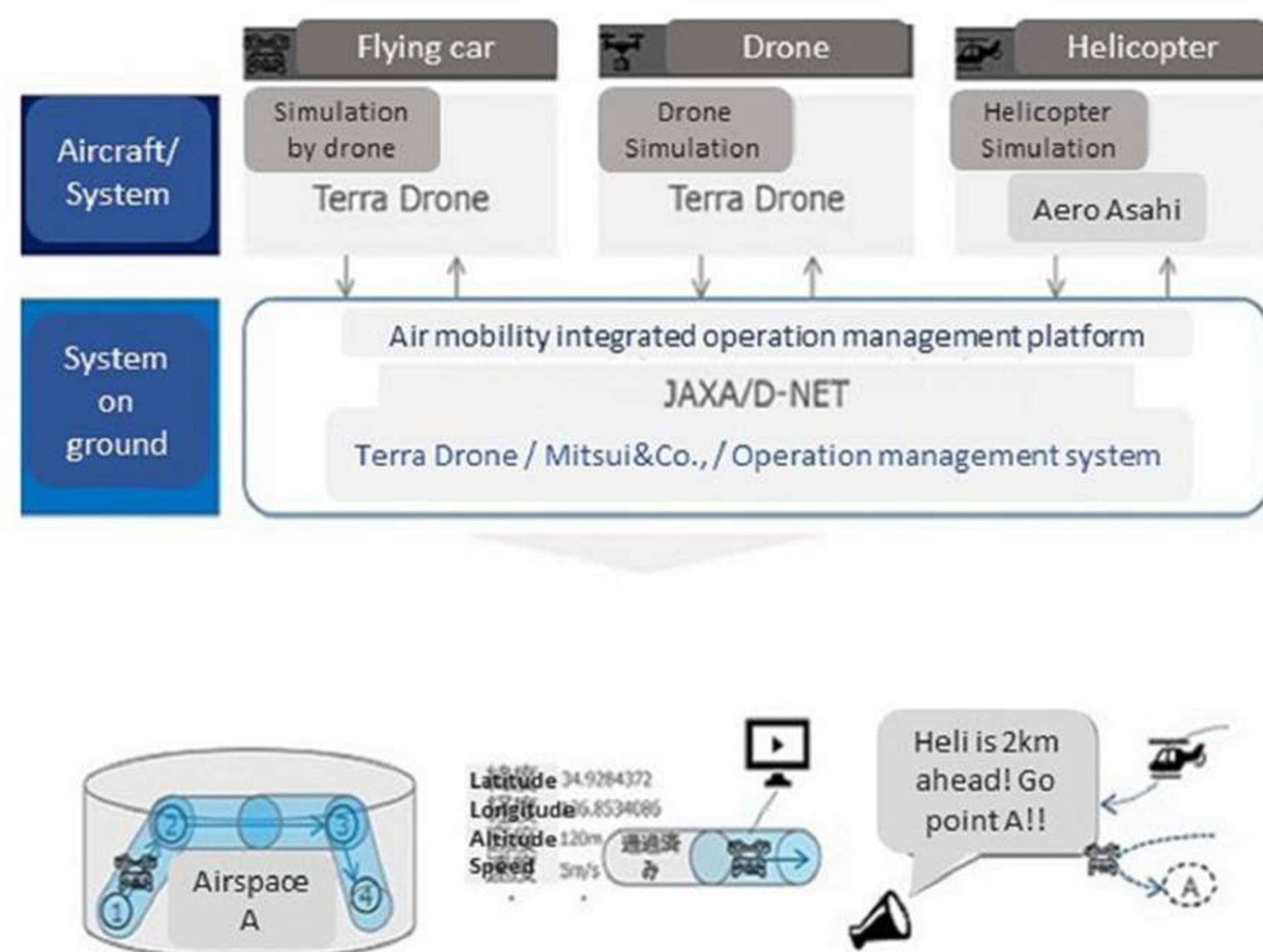


Sample D-NET (Provided by JAXA)

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We made several scenarios for Osaka Expo security, and opened an air space control room in Osaka Sakishima building. Using the operation management system of helicopters and drones, several functions to see various air mobility's flights situation were tested and verified.

1. Sharing flight plans, flight applications and permissions of various air mobility
2. Sharing the positions data at real time
3. Resolution advisories



Air mobility integrated flight management platform



Consortium members Mitsui&Co., Japan Aerospace Exploration Agency (JAXA) Terra Drone Co., Aero Asahi Corporation



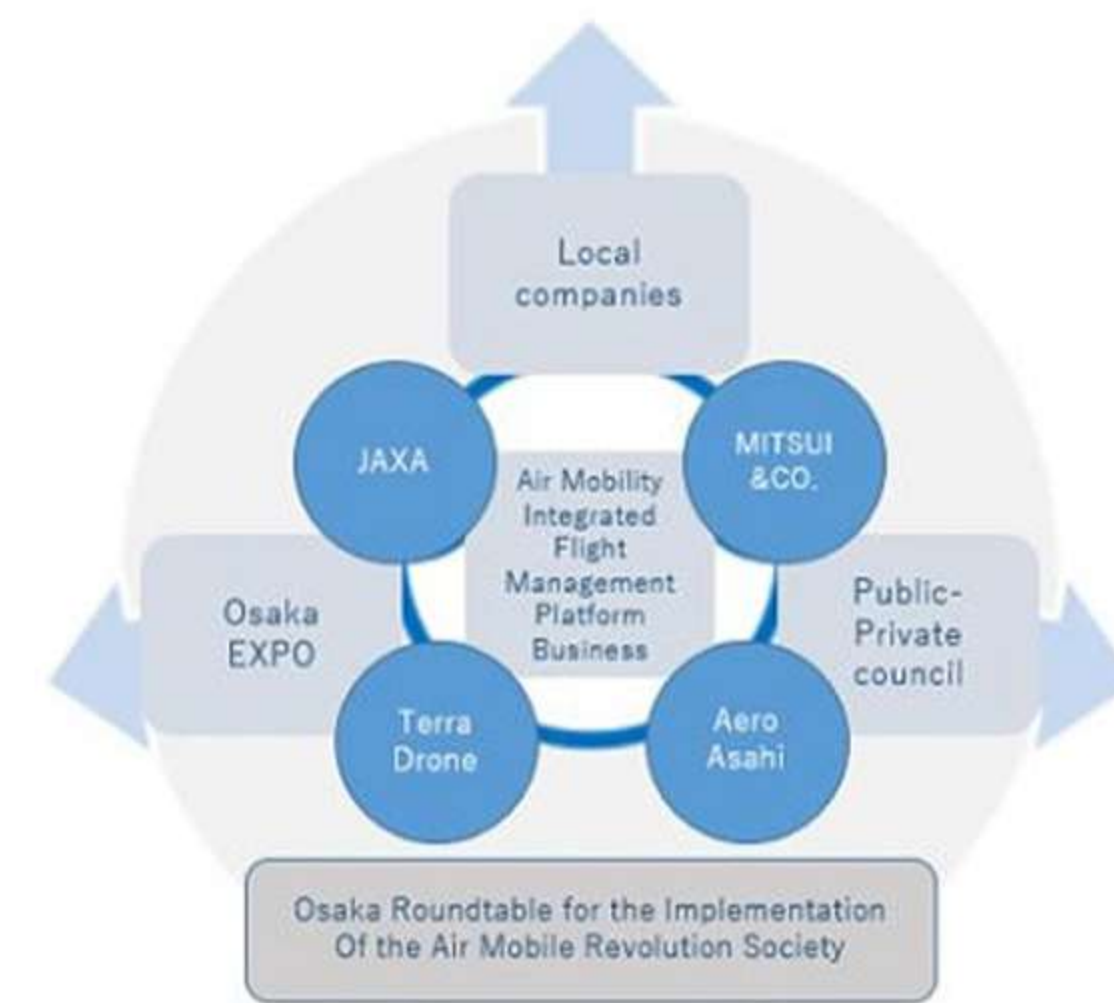
Scenario Doctor Helicopter/injury



Various air mobility's flights



Taken by drone



Osaka Roundtable for the Implementation of the Air Mobile Revolution Society

Aero Asahi is participating in the national public-private council and the "Osaka Roundtable for the Implementation of the Air Mobile Revolution Society". We will continue to work for flying cars actively with our philosophy "To the sky, For the future".