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MITSUI E&amp;S Co., Ltd.

ZENRIN DataCom Co., Ltd.

**MITSUI E&S and ZENRIN DataCom  
Started Sales of Drone Automated Flight Inspection Route  
Generation Application, "Drone Snap"**

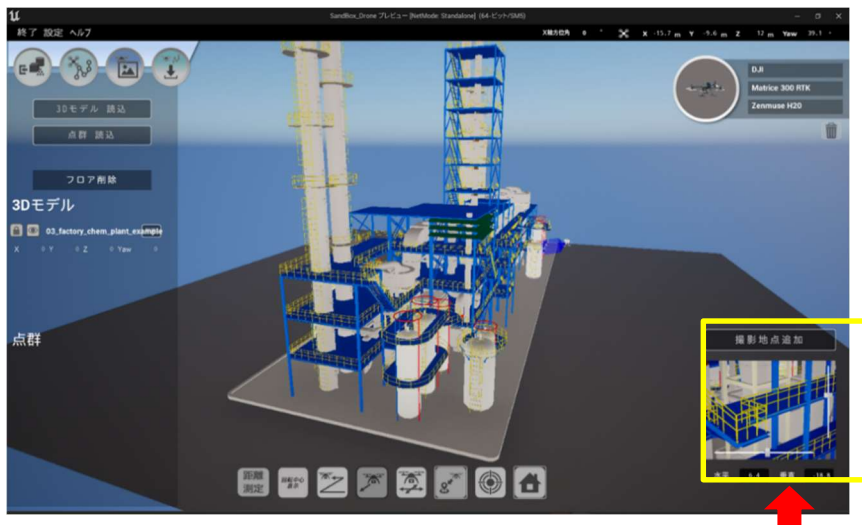
MITSUI E&S Co., Ltd. (Headquarters: Chuo-ku, Tokyo, President: Takeyuki Takahashi, hereinafter "MITSUI E&S") and ZENRIN DataCom Co., Ltd. (Headquarters: Minato-ku, Tokyo, President: Tatsuhiko Shimizu, hereinafter "ZENRIN DataCom") have started selling "Drone Snap," an automated drone flight route generation application that generates flight files so that drones can automatically perform everything from flight to shooting for inspections and patrols of facilities such as port cranes, plants, and infrastructure.

"Drone Snap" loads a 3D model of the object to be inspected into a PC application, sets the shooting at the resolution and angle of view required for inspection on the desktop, and outputs the setting information as a flight file. By loading this flight file into the drone, you can automatically take photos as you set. As a result, it will be possible for anyone, easily, and with high quality, to inspect equipment and patrol facilities using drones.

**MITSUI E&S Drone Snap Site**

<https://www.mes.co.jp/business/crane/dronesnap.html>

In June 2023, the two companies unveiled a prototype application for Drone Snap at the Infrastructure Maintenance Exhibition, which was subsequently demonstrated in a wide range of industries, including amusement parks, bridges, and plants. In addition, they have expanded the number of drone models that are compatible with Drone Snap (Please check the above site for compatible models).



### Drone Snap Application Screen

(Image to be taken will be displayed in the window at the bottom right.)

## ■ Case Studies

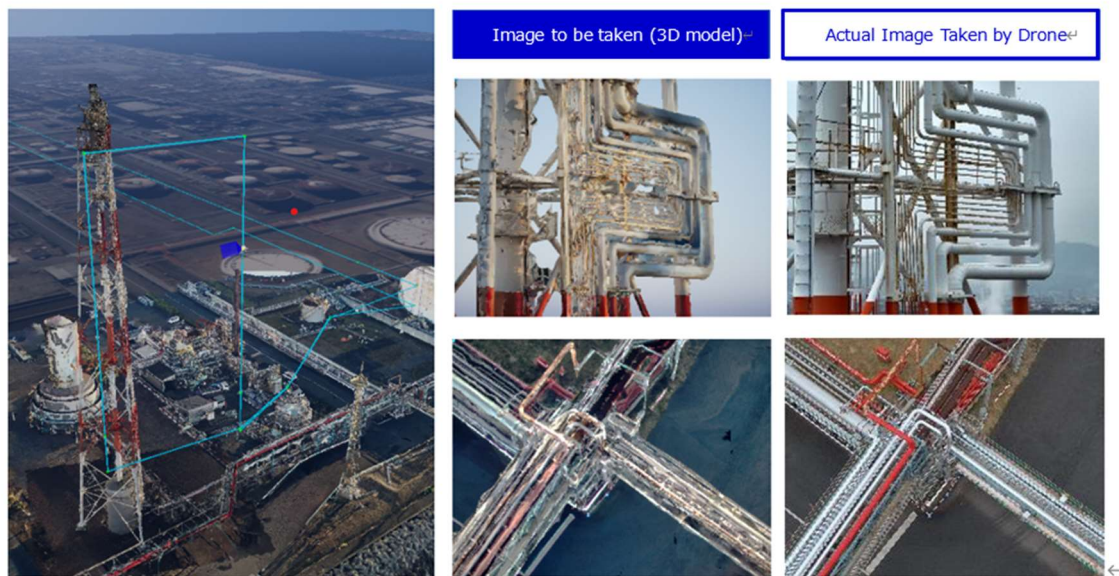
### Examples of Use in Plants

At the end of 2023, RESONAC Corporation, Oita Complex conducted a technical demonstration of 3D plant data construction and equipment inspection using Drone Snap.



<https://www.zenrindatacom.net/solution/casestudy/drone-resonac>

First, a 3D model of the entire facility is made by photogrammetry. After creating it, the created 3D model was loaded into the Drone Snap and configured, and the drone was automatically flown and photographed. In the demonstration, the drone was able to fly accurately according to the flight route that avoided the explosion-proof area and shoot as planned.



Examples of Use in Bridges, Cranes at Construction Sites, Amusement Parks, etc.

[https://www.zenrin-datacom.net/solution/drone/casestudy#drone\\_case1](https://www.zenrin-datacom.net/solution/drone/casestudy#drone_case1)

### ■ Roles of Each Company

<MITSUI E&S>

- Developing and maintaining the "Drone Snap" application
- Development of "Drone Snap Cloud", a cloud service that can be used in conjunction with "Drone Snap"
- Sales development and support mainly in the field of port crane and steelmaking.

<ZENRIN DataCom>

- Planning and technical support for the "Drone Snap" application
- Sales development and support for the introduction of "Drone Snap" outside the port crane and steelmaking field.
- Operations related to the recruitment of distributors for Drone Snap.

MITSUI E&S and ZENRIN DataCom will continue to use this application to contribute to the expansion of drone inspections in the fields of port cranes, plants, infrastructure, and other fields.

【Contact Information】

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