

# Obayashi Corporation



OBAYASHI

- ❑ Address: Tokyo, Japan
- ❑ Employees: 9,026
- ❑ Established in: Dec. 1936
- ❑ Business: General Contractor

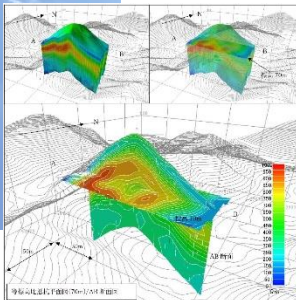
<https://www.obayashi.co.jp/en/>

## Outline of the demonstration project

- Demonstration project of drone electromagnetic survey (geophysical survey) in Singapore

## Cooperation with local companies/governments

- Local Partner: EASEPECT
- Details of cooperation and collaboration: Conduct of drone operation certified and approved by local authority, providing equipment, certified drone operators and project management of the operation in Singapore. Assisting data processing for 3D plotting.



## Targeted economic/social issues

- In the ASEAN region, there are some cases where the geophysical investigations that form the basis of construction projects are not sufficiently executed, or the quality of the investigations is inferior. Lack of ground information can bring about unknown construction risks.

## Details of demonstration

- The project will promote improvements in the quantity and quality of geophysical investigations by deploying airborne electromagnetic surveys by drone, recently developed in Japan, to the ASEAN region.
- Even in areas where access is difficult, geophysical survey can be carried out quickly and easily by drone.
- Airborne electromagnetic surveys provide continuous three-dimensional digital data.

## Expected outcome of beneficiary effects

- The introduction of drone-based electromagnetic survey is expected to improve the quantity and quality of geophysical investigations. Furthermore, as an improvement of the construction industry as a whole, it is expected to reduce construction risks due to the poor quality of the geophysical investigation and to reduce environmental impact compared to geophysical surveys.