

PERMITTING DECISION SUMMARY

Strix-3

Synspective Japan Inc.

1. Synspective Inc. is a Japanese end-to-end data and solutions provider that is designing and building a constellation of Synthetic Aperture Radar (SAR) satellites. SAR is a form of radar that uses microwaves, a type of radio wave, to observe the Earth's surface. Microwaves can penetrate clouds, making it possible for SAR satellites to observe the Earth's surface at any time and in any weather condition.
2. Strix-3 is the fourth satellite in the Synspective series. Synspective aims to build a constellation of 30 satellites by the late 2020s.
3. Payloads are permitted in line with the [Outer Space and High-altitude Activities Act 2017](#) and the [Outer Space and High-altitude Activities \(Licences and Permits\) Regulations 2017](#).
4. Each payload has been approved by the Minister for Space, on advice from officials across agencies. When approving payloads, the Minister needs to be satisfied that:
 - a. The applicant has taken and will continue to take all reasonable steps to safely manage the operation of the payload.
 - b. The proposed operation of the payload is consistent with New Zealand's international obligations; and
 - c. The applicant has an orbital debris mitigation plan that meets prescribed requirements.
 - d. Despite being satisfied of these matters, the Minister may nevertheless decline a permit if he is not satisfied that the proposed operation of the payload is in New Zealand's national interest.

Date Granted	Authorisation Number	Payload Name	Owner or Operator	Country of Origin
18 December 2023	A230260-PPT	Strix-3	Synspective Japan Inc.	Japan