



PERMITTING DECISION SUMMARY

StriX-1

Synspective Japan Inc.

1. Synspective Japan Inc. (Synspective) is a Japanese company providing satellite data and derived solutions, using small-sized Synthetic Aperture Radar (SAR) satellites. SAR is a remote sensing technique that enables detection and tracking of small-scale changes on the surface of the Earth.
2. Synspective's StriX-1 satellite is a technology demonstration of SAR commercial remote sensing technology. The data obtained will be used to create images and reconstructions of objects and landscapes.
3. The StriX-1 satellite is the third in the company's proposed constellation of 30 SAR satellites. Synspective received a payload permit in October 2020 for their StriX-Alpha satellite and March 2022 for their StriX-Beta satellite.
4. 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](#).
5. Each payload has been approved by the Minister for Economic Development, 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
04 September 2022	220207-PPT	StriX-1	Synspective Japan Inc.	Japan