



## PERMITTING DECISION SUMMARY

### StriX-alpha

#### Synspective

1. 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 125kg StriX-alpha mini-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-alpha satellite is the first in the company's proposed constellation of 30 SAR satellites.
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
15 October 2020	200126-PPT	StriX-alpha	Synspective	Japan