



PERMITTING DECISION SUMMARY

RAISE4

Mitsubishi Heavy Industries Ltd

1. Mitsubishi Heavy Industries Ltd is a Japanese industrial engineering company.
2. RAISE-4 will demonstrate the use of a remote imaging sensor, a graphics processing unit, a propulsion system using water as a propellant, a pulsed plasma thruster, an expanding drag sail, expanding solar generator and antenna, the use of onboard AI for object detection, and multiple input multiple output (MIMO) technology for Internet of Things connectivity.
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 they are 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
9 November 2025	250464-PPT	RAISE4	Mitsubishi Heavy Industries Ltd	Japan

