

Overview of Public Offering for Small Secondary Satellite Launch Opportunity

Purpose:

- JAXA intends to expand space development and utilization fields in Japan by establishing a system to provide an opportunity for easy and timely launches and operation of a small satellite made by private companies and universities.
- Using a small satellite, JAXA would like to gain experiences and learn technologies through on-orbit verification accumulated by private companies and universities to contribute to expanding space development and utilization, promoting education and fostering human resources.
- In the future, we expect to further contribute to expanding satellite use in the private sector and increasing launch opportunities.

Applicable small satellite:

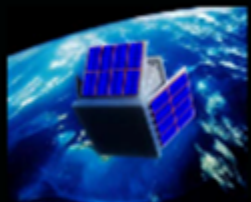
- Either 1- to 10-kg class or 50-kg class small satellite that satisfies the following main objectives:
 - to contribute to the expansion of space development use in Japan
 - to contribute to fostering humans resource development in the space field such as promoting university education

Qualification for application

- Applicants must satisfy the following conditions:
 1. Shall belong to a Japanese agency, organization or group.
 2. Has the ability to carry out the design, manufacture, test, and operation, to take appropriate measures to non-compliant problems, and to implement the mission.
 3. Can coordinate technical issues with JAXA.
 4. Can take the financial burden of its own operations that are listed in the separate detailed requirements including manufacturing costs and costs of some tests required by JAXA.
 5. Satellites whose main purpose is advertising an applicant and/or business activities of an applicant, or whose main purpose is directly linked to sales activities are not qualified.

Small Secondary Satellite loaded with AKATSUKI

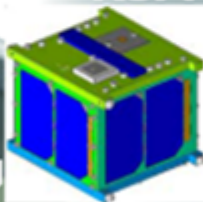
WASEDA-SAT2



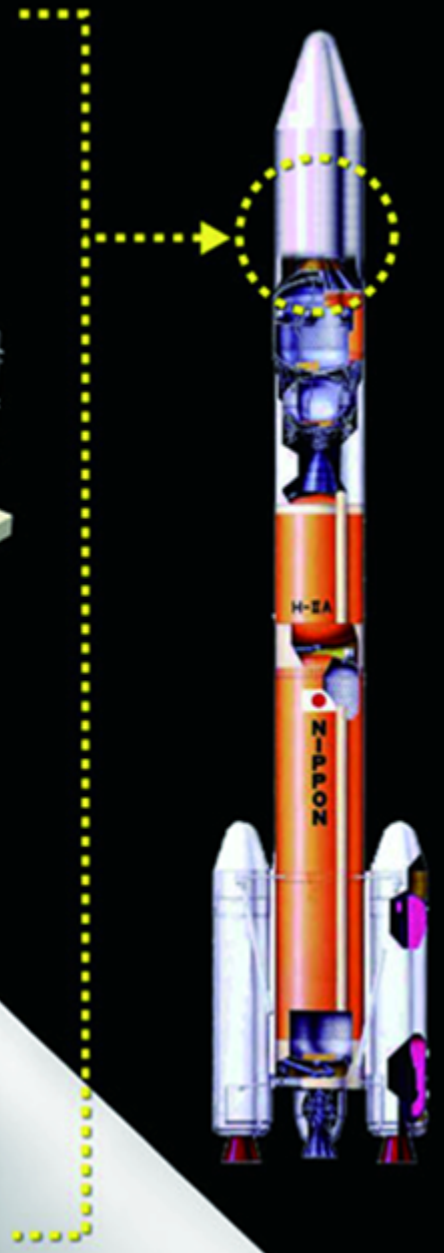
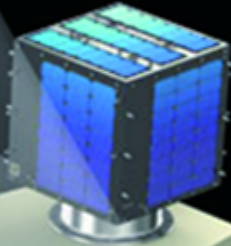
Negai☆



KSAT



UNITEC-1



N e g a i ☆”

Satellite Developer: Soka University

Purpose:

1. It is said that if you wish upon a shooting star, your dream will come true. As the satellite's name shows, Negai (meaning “wish”), which is packed with children's dreams, will become a shooting star in the night sky in three weeks after its launch to deliver their dreams.
2. It will also verify the highly reliable information processing system using FPGA (Field Programmable Gate Array) in space

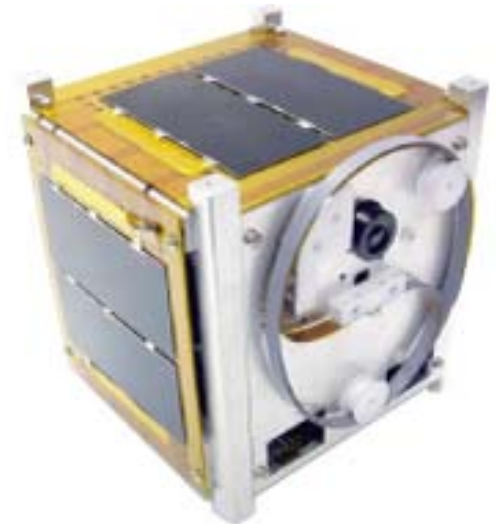
Size: about 10 cm x 10 cm x 10 cm

Mass: about 1.0 kg

Orbit: Parking orbit (Earth orbit)

Negai☆” contact information:
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Negai☆” Home Page:
[http://kuro.t.soka.ac.jp/cube/w
hat/index.html](http://kuro.t.soka.ac.jp/cube/w
hat/index.html)



WASEDA – SAT2

Satellite Developer: Waseda University

Purpose:

1. Verification of attitude control by paddle deployment
2. QR code image shooting experiment

Size: about 10 cm x 10 cm x 10 cm

Mass: about 1.2 kg

Orbit: Parking orbit (Earth orbit)

WASEDA-SAT2 contact information:

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School of Creative Science and
Engineering, Waseda University.

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yhiroshi@waseda.jp

Associate Professor Tomoyuki
Miyashita

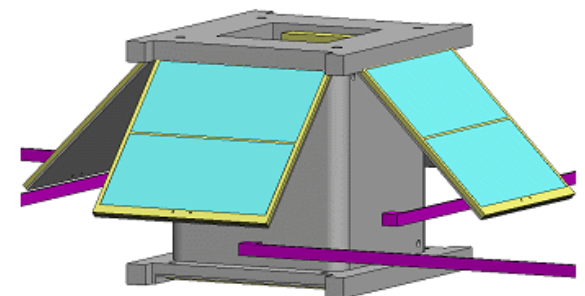
03-5286-3249

tomo.miyashita@waseda.jp

WASEDA-SAT2 Home Page:

[http://www.miyashita.mmech.](http://www.miyashita.mmech.waseda.ac.jp/Waseda-Sat2/index.htm)

[waseda.ac.jp/Waseda-Sat2/index.htm](http://www.miyashita.mmech.waseda.ac.jp/Waseda-Sat2/index.htm)



KSAT

Satellite Developer: Kagoshima University

Purpose:

1. Observation experiments of atmospheric vapor distribution for predicting localized heavy rain
2. Shooting moving images of the Earth through microwave high-speed communications

Size: about 10 cm x 10 cm x 10 cm

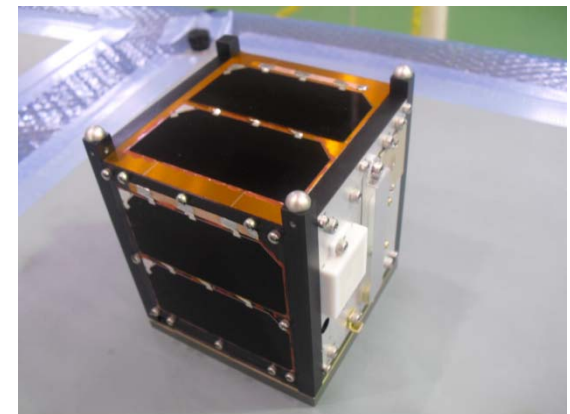
Mass: about 1.5 kg

Orbit: Parking orbit (Earth orbit)

KSAT contact information:

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KSAT Home Page:
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UNITEC-1

Satellite Developer: University Space Engineering Consortium

Purpose:

1. Verification of endurance and performance of computers for space use developed by universities in the space environment
2. Technological experiments for receiving and decoding faint radio waves from deep space

Size: about 40 cm x 40 cm x 40 cm

Mass: about 21 kg

Orbit: Venus transfer orbit

UNITEC-1 contact information:
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Consortium
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UNITEC-1 Home Page :
<http://www.unisec.jp/unitec-1/ja/top.html>

