



## FOR IMMEDIATE RELEASE

# World's First Commercial Satellite Tracking Sub-Millimeter Sized Debris IDEA OSG 1 Scheduled to Launch on November 28

November 2, 2017 – ASTROSCALE PTE. LTD. (ASTROSCALE), a company with a mission to secure long-term spaceflight safety by developing debris monitoring and removal services, will launch IDEA OSG 1 on November 28 at 14:41:46 (JST) from Russia's Vostochny Cosmodrome with the Russian State Space Corporation Roscosmos meteorology mission Meteor-M №2-1. Shipped from Japan in the end of September, IDEA OSG 1, the world's first in-situ space debris monitoring microsatellite in low-Earth orbit, now awaits checkout before rocket integration at the launch site.

As the first private company to attempt to mitigate space debris through technology, business model, and regulatory solutions, ASTROSCALE plans to contribute to the sustainable use of space. Founded in 2013, ASTROSCALE's first satellite took only two and half years to manufacture from its conception. The microsatellite will be placed in an elliptical low-Earth orbit at an altitude of 600 - 800km, and will monitor the size and position of space debris to create debris distribution maps to better understand the space environment.

The launch details of IDEA OSG 1 are as follows:

Launch Date:	November 28, 2017 (JST)
Launch Time:	14:41:46 (JST)
Launch Station:	Vostochny Cosmodrome, Russia

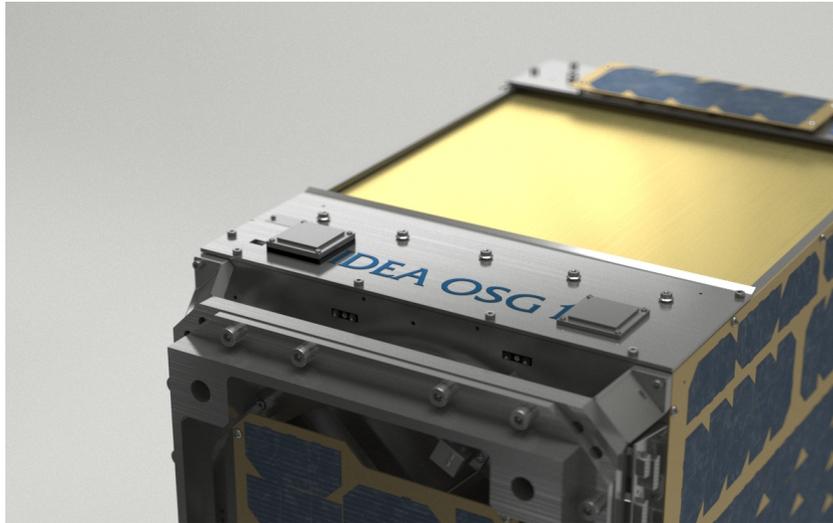
\*Launch date and time are subject to change.

### IDEA OSG 1 Official Sponsors

OSG Corporation <https://www.osg.co.jp/en/>

POCARI SWEAT (Otsuka Pharmaceutical Co., Ltd.) <https://www.otsuka.co.jp/en/product/pocarisweat/>

## General Information of IDEA OSG 1



Size	400mm×400mm×600mm
Mass	25kg
Insertion Orbit	Apogee Altitude (about 800km) Perigee Altitude (about 600km) Polar Orbital Plane
Launch Vehicle	Soyuz-2/Fregat (provided by JSC Glavkosmos)
Mission Modules	Space Debris Monitor 350mm×350mm×2sheets
Attitude Control & Determination System	Sun Sensor, Magnetometer, MEMS Gyro, 3 axis-control Magnetorquer

### **About ASTROSCALE PTE. LTD. (ASTROSCALE)**

ASTROSCALE PTE. LTD. (ASTROSCALE) is the first private company with a mission to secure long-term spaceflight safety by developing space debris removal services. Launching its corporate headquarters in Singapore in 2013, R&D office in Japan in 2015 and branch office in the United Kingdom in 2017, ASTROSCALE is spreading its global market. ASTROSCALE's comprehensive approach to orbital services incorporates the business model, technologies, and space regulation and law solutions that contribute to a more sustainable space environment.

For more about ASTROSCALE, visit us at <http://astroscale.com/>

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For media inquires, please contact:  
ASTROSCALE PR/Communication Department, Noguchi  
Email: [media@astroscale.com](mailto:media@astroscale.com)  
Tel: [+81-3-6658-8175](tel:+81-3-6658-8175)