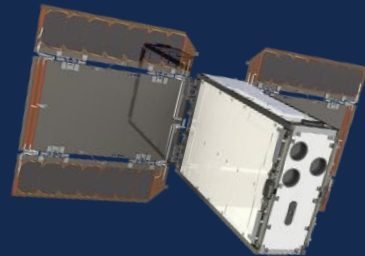




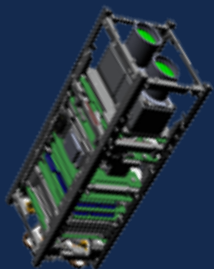
Who We Are

Nano Satellite Developer and Space Service Provider

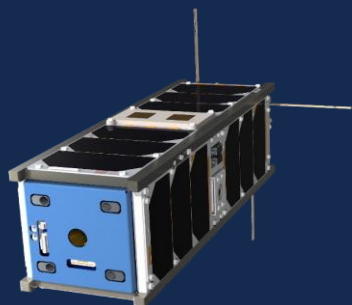


Established in 2018
\$22billion capital
100 employees
Located in Tokyo, Japan

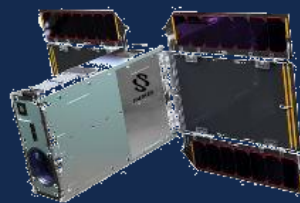
Products



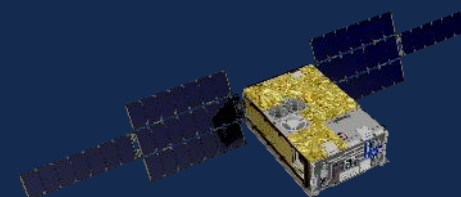
RWASAT-1 
Launched in 2019



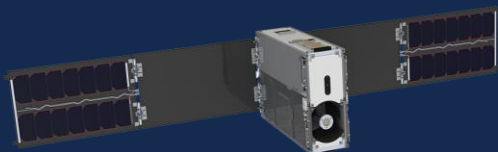
OPTIMAL-1
Launched in 2023



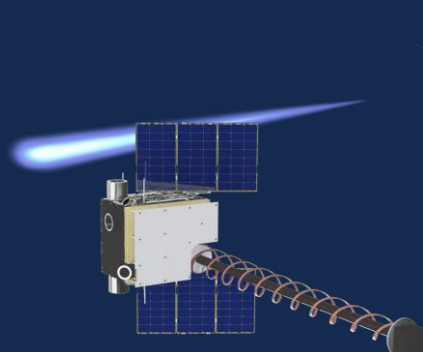
EYE (Sony)
Operations Support



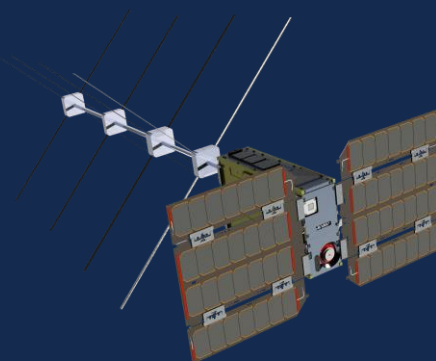
EQUULEUS Cubesat
Operations Support



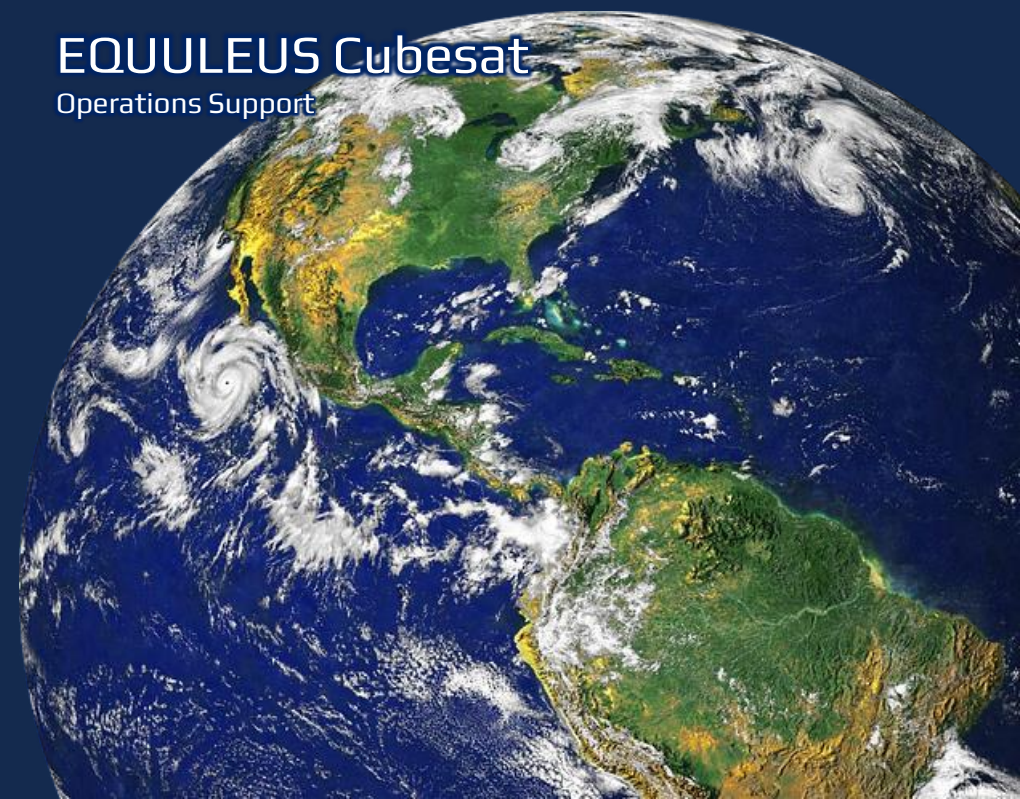
ONGLAISAT
To be launched
for Taiwan Space Agency



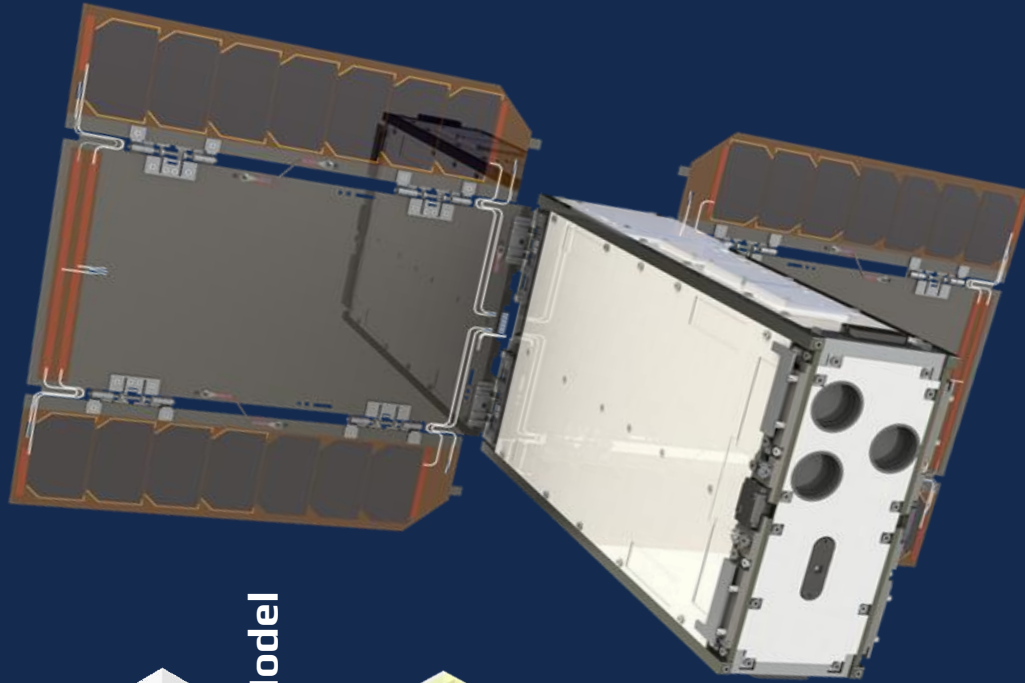
Comet Interceptor
To be launched



VDES
To be launched

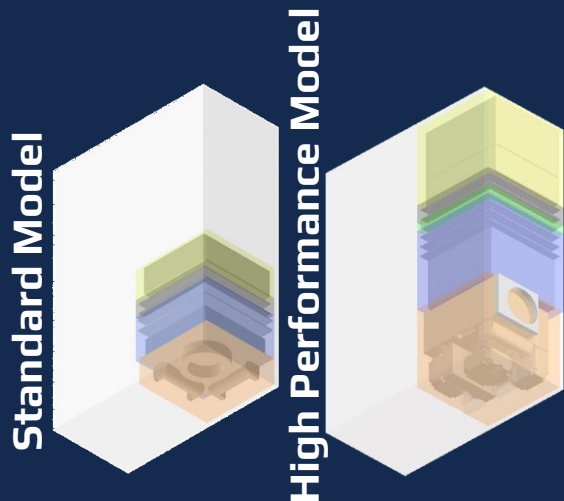


6U Satellite Design



SPECIFICATIONS

- Dimensions : 10cm x 20cm x 30cm
- Weight : 10kg
- Packaged Models
- Modularized Key Components
- 1/100 Cost Comparing to 100kg Satellites
- Altitude: 400km – 600km
- On-Orbit Life: 3-5 years
- Access to GS: 3-4 times per day
- Solutions
 - Global Data Solution
 - Space University Solution
 - Orbital PoC Solution
 - Ocean Communication Solution
- Made in JAPAN



Communications Equipment
 Bus On-board Computer
 Mission I/F
 Power Control Unit & Battery
 Attitude Determination and Control System
 Mission Area

Full Customization also available

Projects and Applications

Remote Sensing Satellite Project 
6U Satellite Constellation Project 
Maritime DX (VDES) Project 
Lunar Navigation Project 
Comet Interceptor Project  

IoT

SMART AGRICULTURE,
 FORESTRY and FISHERY
 DISASTER EARLY WARNING
 TRANSPORTATION TRACKING
 ENVIRONMENTAL
 INFORMATION COLLECTION
 CAR THEFT PREVENTION
 RESCUE ASSIST



Remote Sensing

ENVIRONMENTAL
 SURVEILLANCE
 Greenhouse GAS MONITORING
 PIPELINE MONITORING
 OIL SPILL MONITORING
 DISASTER MONITORING
 RARE-EARTH SEARCHING



Maritime DX

SAFTY
 Search and Rescue
 Nautical Chart
 Aids to Navigation
 Detecting Dark Vessel
SMOOTH ENTRY & DEPARTURE
 Routing Support
 Maritime Digital Transformation
LOGISTICS & FISHERY
 Efficient Logistics
 Autonomous Navigation
 Certification of fish origin

EDUCATION

UNIVERSITY OF CHILE
 TAIWAN SPACE AGENCY
 <ONGLAISAT>
 RWANDA UTILITY
 REGULATORY AUTHORITY
 <RWASAT-1>
 INDONESIA (Institute for Marine
 Research and Observation)
 UAE UAESA
 STUDENTS from RWANDA,
 PHILIPPINES, VIETNAM,
 MYANMAR and MEXICO)

Our Business



MoU signed with African Satellite Network



Satellite Operation and Educations with JICA



3U Satellite and space policy advisor ordered.



6U satellite ordered from Taiwan Space Agency



Satellite communication device ordered from University of Chile



Discussing African satellite network with African Space Agency



Supporting to build Observation Satellite Constellation



MoU for satellite constellation under preparation

REPUBLIQUE DU SENEGAL



MINISTRE DE L'ENSEIGNEMENT SUPERIEUR DE LA RECHERCHE ET DE L'INNOVATION
Cube Sat under negotiation



UAE SPACE AGENCY
Connected with UAE Space Agency



Planning 3U Satellite Network



Brazilian Space Agency



Thailand
Demonstrated LPWA Satellite test



Indonesia
Ministry of Maritime Coordination, etc

Solutions

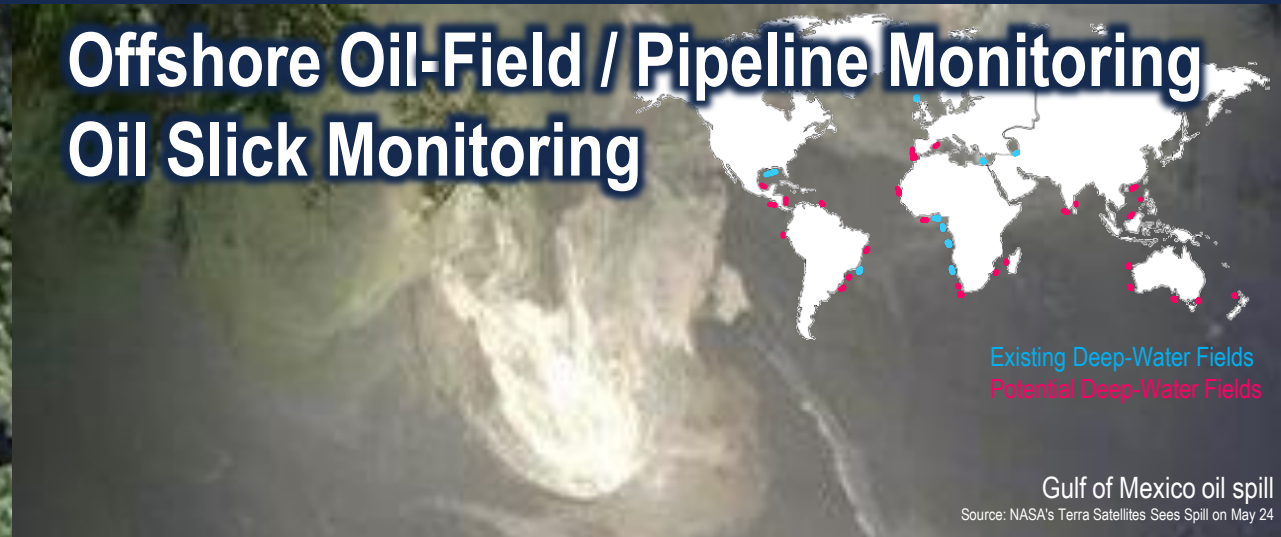


Remote Sensing Technology

Environmental Surveillance
Smart Agriculture
Rare-earth Searching



Offshore Oil-Field / Pipeline Monitoring
Oil Slick Monitoring



Greenhouse Gas Monitoring



Disaster Monitoring



Solutions

Maritime DX

Providing next generation of ship communication system



MDA

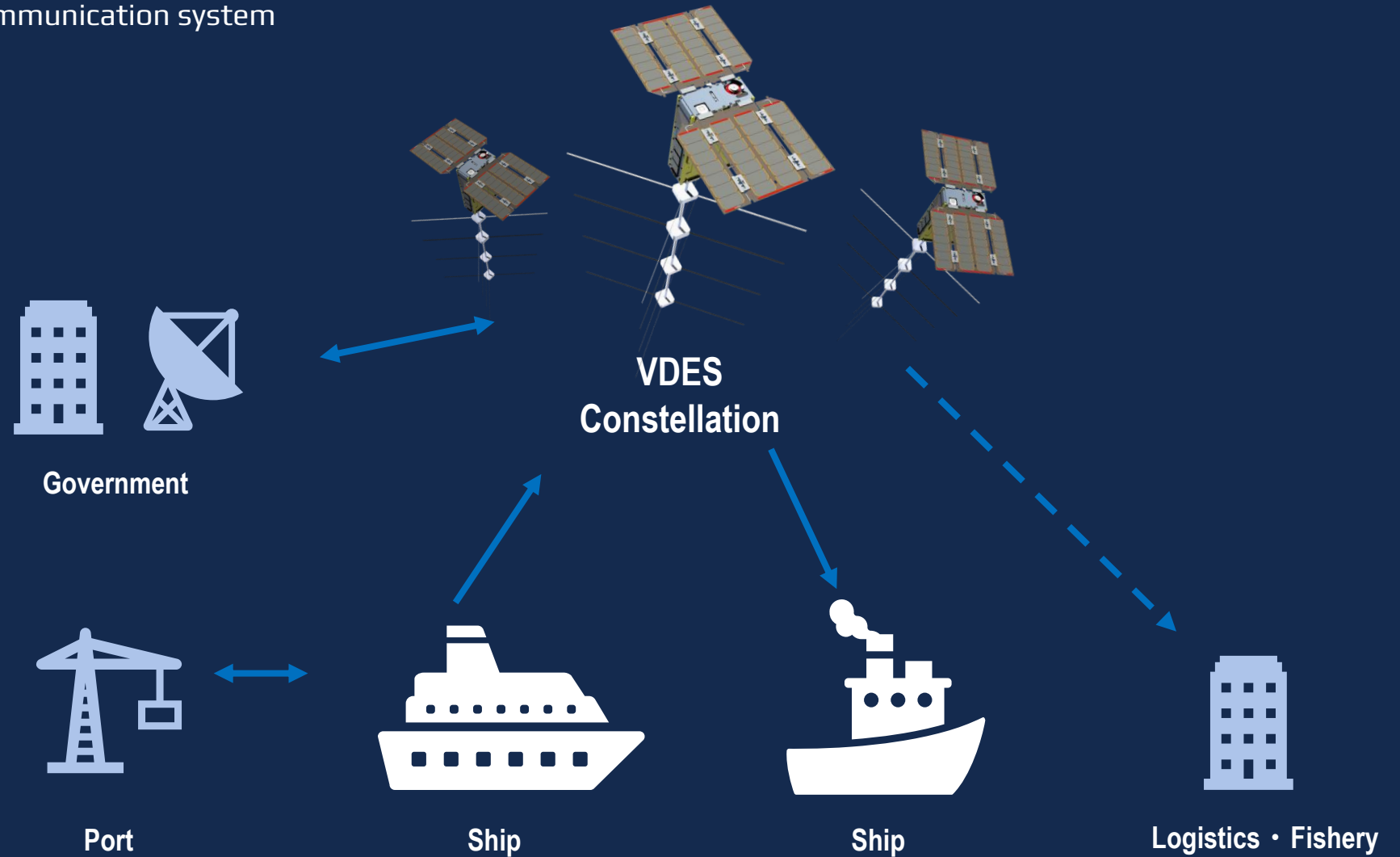
Navigational warnings, coastal information, and safety-related messages

Efficient Arrival

Arrival time, Water way information

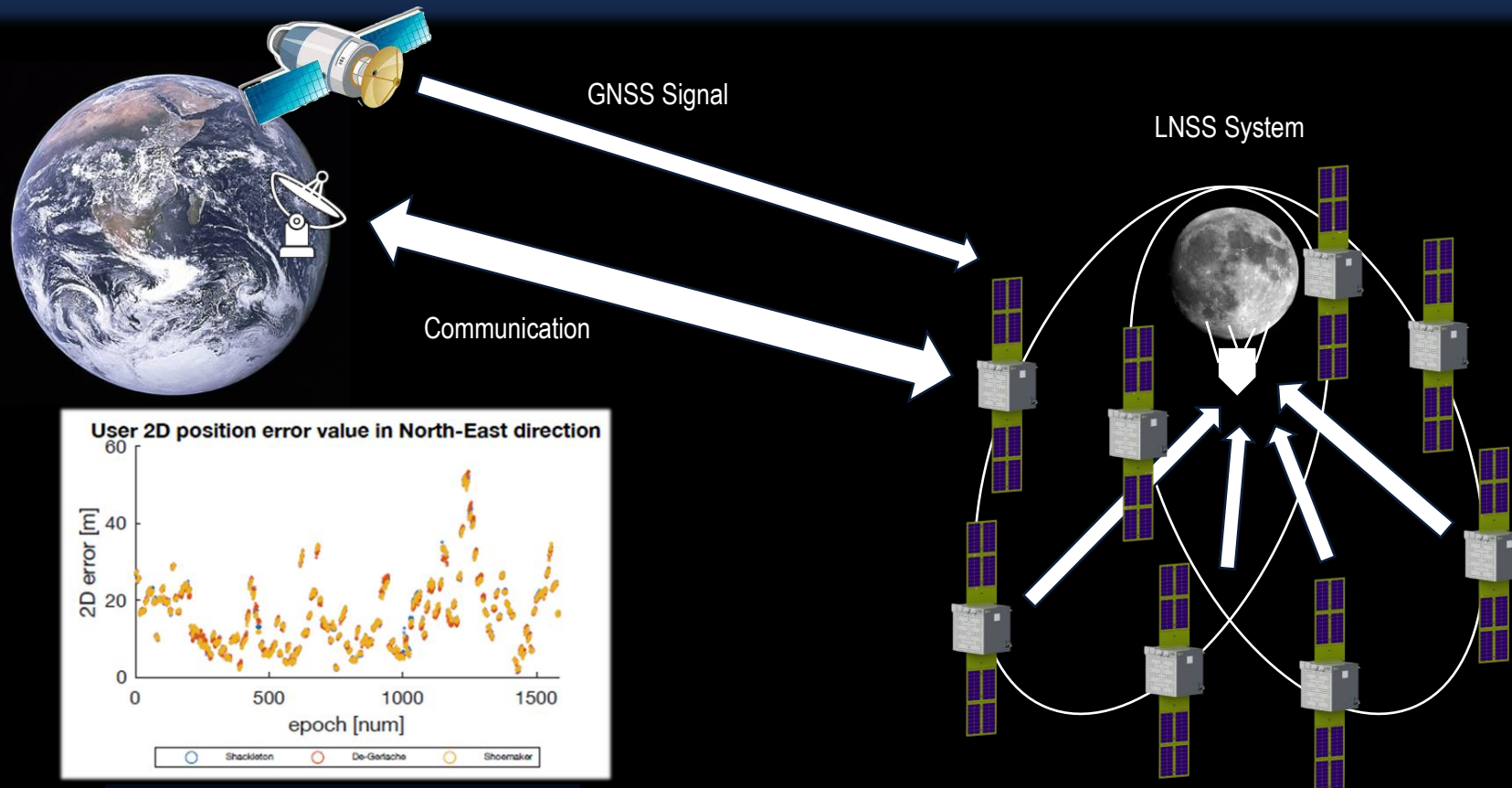
Efficient Transportation

Bi-direction Communication, Ship Control

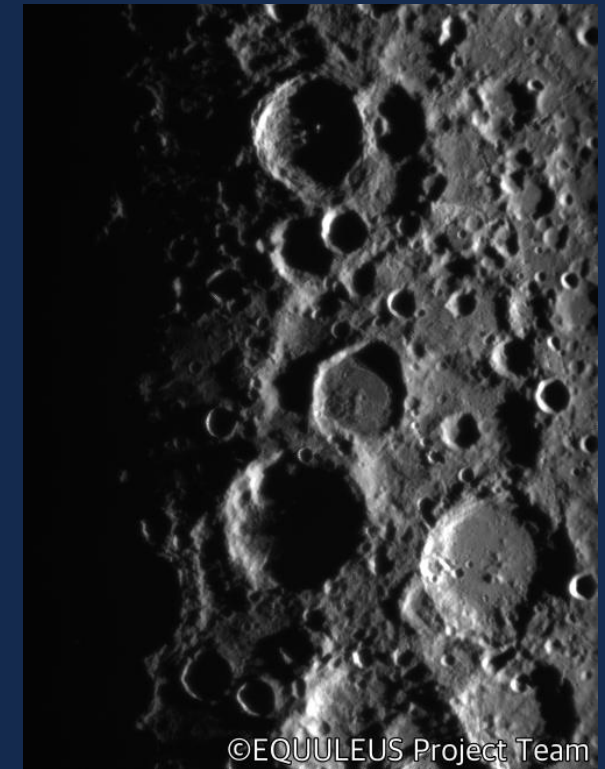


Lunar Infrastructure

Lunar Navigation System



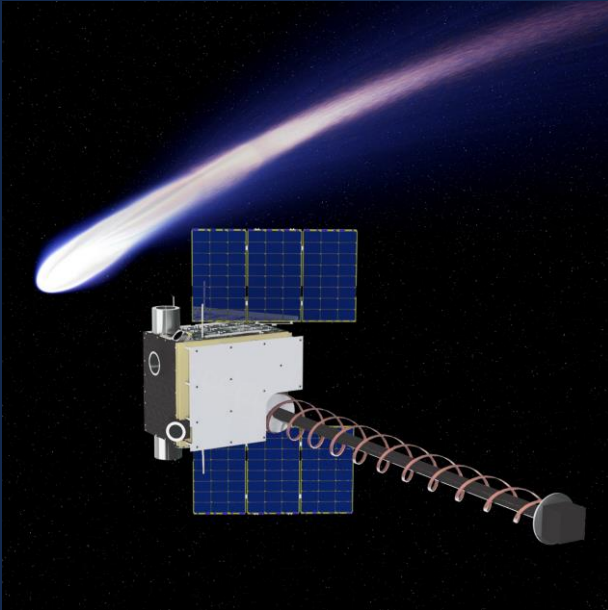
Lunar Positioning Simulation



Resource : EQUULEUS Project Team Twitter
https://twitter.com/EQUULEUS_ja/status/1595260514695024640

Comet Interceptor

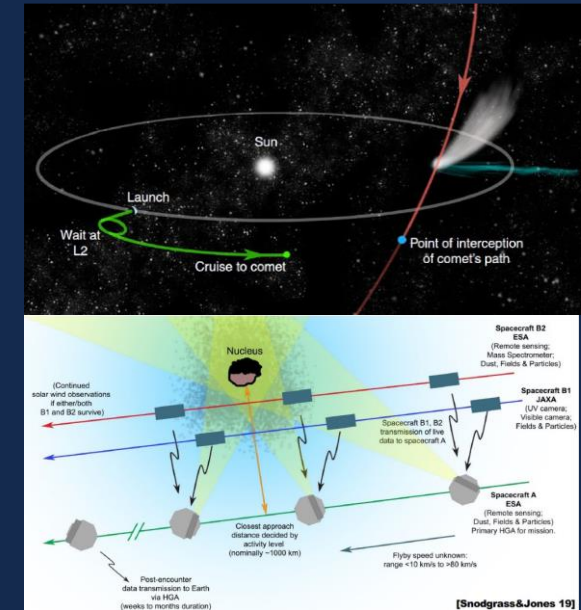
- Joint ESA/JAXA world first mission to explore long-period comets
- ArkEdge Space is the prime manufacturer of B1 spacecraft (First time for Japanese start-up company to work with JAXA on a deep space exploration project)
- Scheduling to launch in 2029



B1 Spacecraft Image

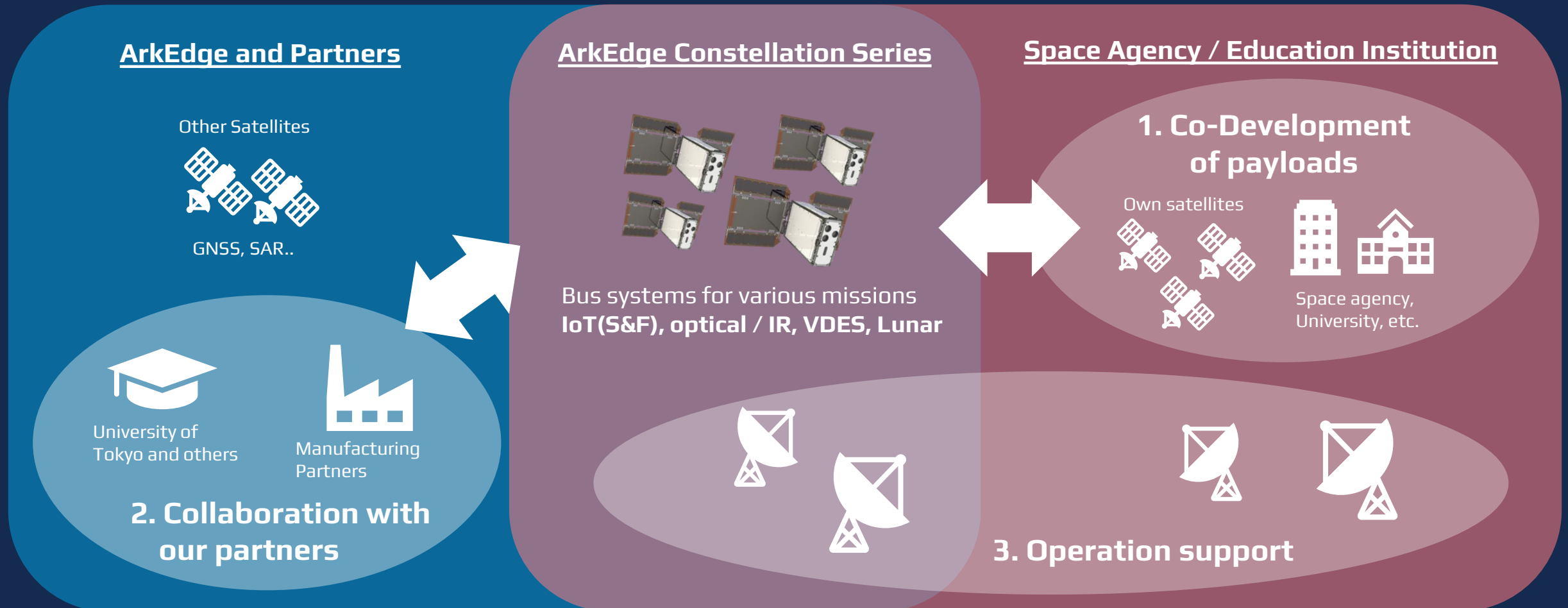


Mission Logo by ESA



Mission Sequence

Collaboration with our Nanosat Constellation Platform



Co-Development and Training Support for Satellite Constellation

Partnership with Manufacturers and Universities



Спасибо