



SKY Perfect JSAT Corporation Overview

June 2018



**SKY Perfect JSAT
Corporation**

Business Segments

Space & Satellite Business

- First satellite launched in 1989
- Solid and diverse customers
 - ✓ Government sector
 - ✓ Public Service Companies
 - ✓ Telcos, Enterprises
 - ✓ Broadcasters
 - ✓ In Japan and other countries

Largest Satellite Operator in Asia



Japan's Largest Multichannel Pay TV Service

There's Excitement In Your Future.
SKY PerfectTV!

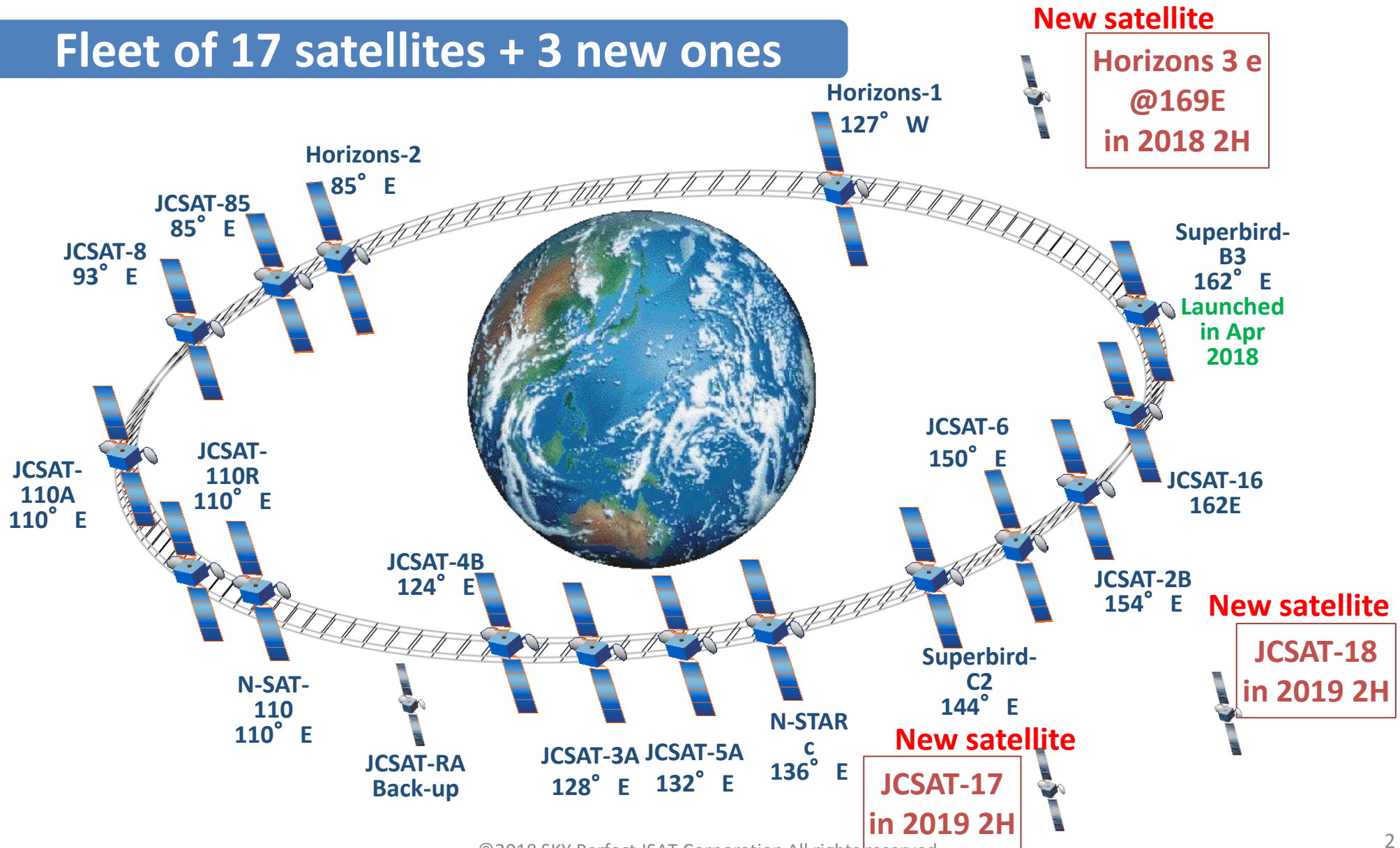
- Operation started in 1996
- Pay-TV services through
 - ✓ 3 satellites
 - ✓ Optical Fiber
 - ✓ Over-the-Top VOD
- More than 3.2 million subscribers
- 200+ Channels (HD/SD/Audio)



Multichannel Pay TV Business


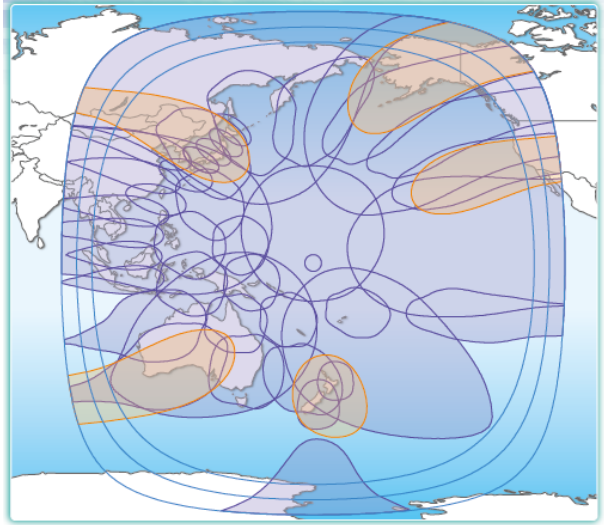
JSAT Satellite Fleet

Fleet of 17 satellites + 3 new ones



Future Satellite Development

New High Throughput Satellites

	JCSAT-18	Horizons-3e
Main Mission	Land & Mobility	Mobility, Pacific Regional
Footprint	 A map showing the footprint of JCSAT-18, which covers a large area of the Pacific Ocean and surrounding landmasses, including North America, South America, and parts of Europe and Africa.	 A map showing the footprint of Horizons-3e, which covers a large area of the Pacific Ocean and surrounding landmasses, including North America, South America, and parts of Europe and Africa.
Target Launch Period	2H 2019	2H 2018

JSAT MOBILE Communications, joint venture with Inmarsat Solutions, Inc.

- JSAT MOBILE Communications offers the latest Inmarsat mobile satellite services to Japanese businesses and government agencies.



➤ Maritime Service **“FleetBroadband”**

Provides high-speed on-demand guaranteed IP data access (up to 432 kbps), e-mail, Internet and crew calling.



➤ Land Service **“BGAN”**


Provides high-speed IP data (up to 492 kbps), up to 384 kbps IP streaming, as well as voice, ISDN and fax.

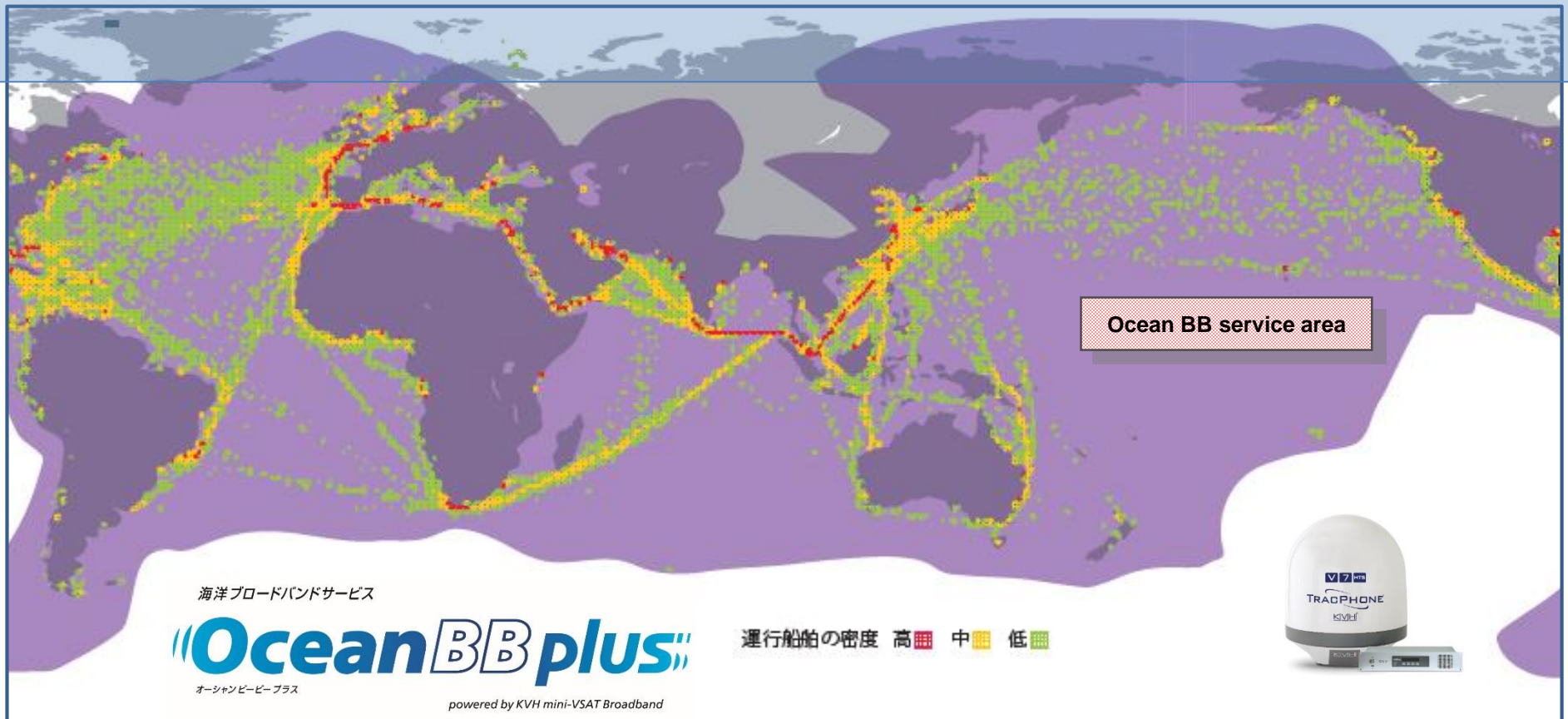


➤ Satellite Phone Service **“IsatPhone Pro”**

Global handheld satellite phone, it takes advantage of the world’s most advanced satellite communications network to provide exceptional quality and reliability.

Maritime Ku-band Network “Ocean BB plus”

- The service area of Ocean BB covers most of main shipping routes in the world.
- Ocean BB provides the roaming service powered by our partner, 



Arctic
66.33N

JSAT partners – LEO satellite constellations



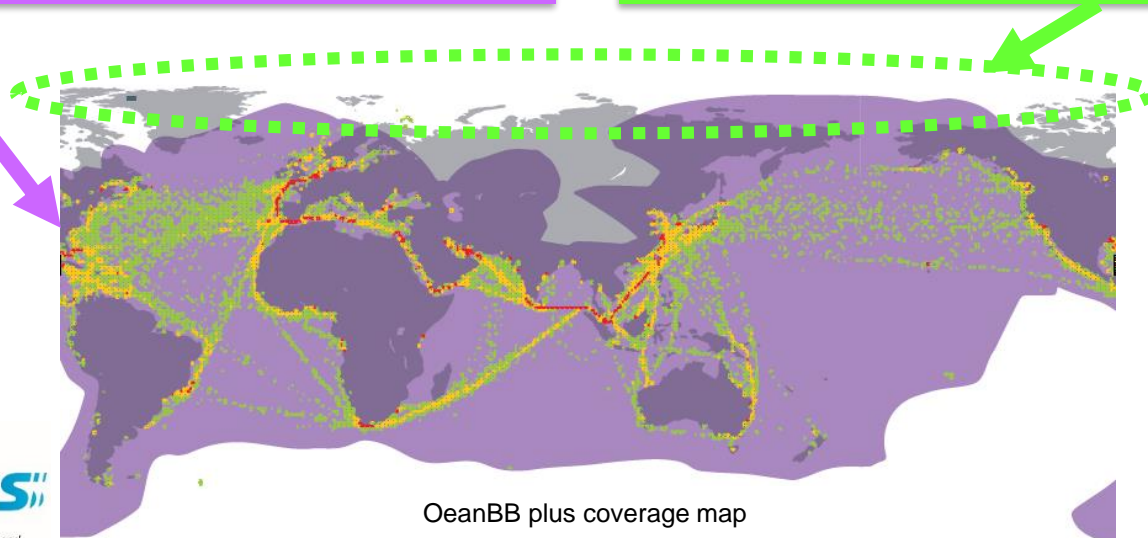
A GEO & LEO hybrid solution will provide the seamless broadband connectivity in the Arctic region

GEO: Standard Communication Satellites

- available in competitive commercial markets
- reliable, flexible and multiple sources

LEO : Full Global and Arctic coverage

- NO need for a coverage map
- lower latency comparing to GEO



OceanBB plus coverage map



For example, Iridium NEXT

- Broadband(Max. 1.4Mbps)
- Quality Voice

- Broadband Max. 10Mbps

- Flat rate or Metered for Business/Crew

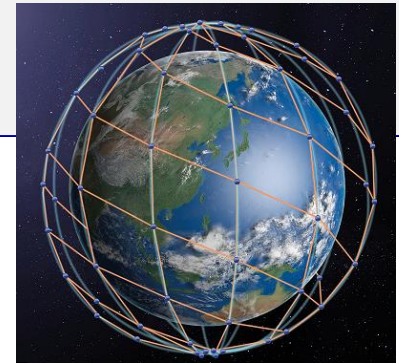
The Iridium NEXT Constellation: <https://www.youtube.com/watch?v=Xjig4NBAPZQ>

JSAT partners – Strategic Investment in LeoSat



JSAT signed a strategic agreement with LeoSat in May 2017

- JSAT and LeoSat jointly study the business feasibility to serve for new markets and new customers



【Satellite】

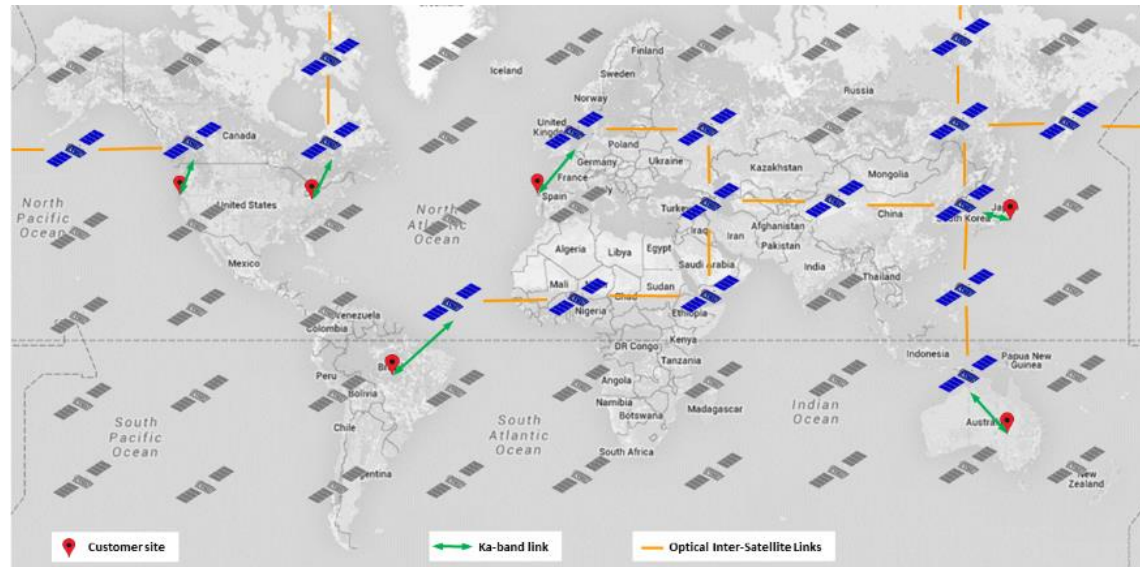
- 78 satellites (up to 108) in 1400km polar orbits

【Feature of Network】

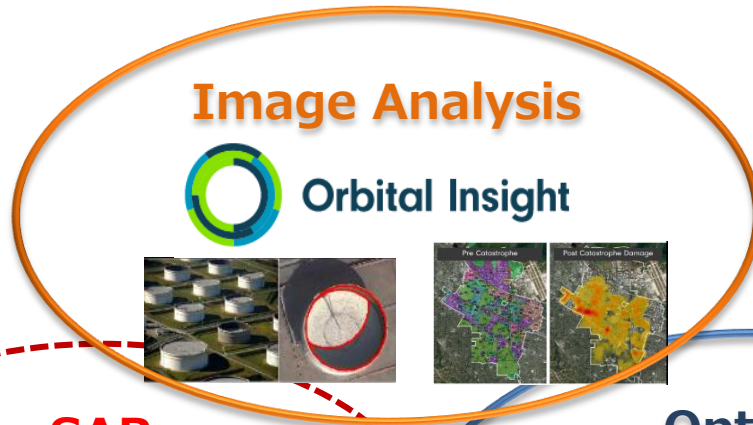
- Global Point-to-Point network w/o gateways
- High security, Low Latency, Resilient

【Schedule】

- 2022 : Start of full constellation service



JSAT partners – Strategic Alliance with data business



SAR
Earth Observation
Satellites

Optical
Earth Observation
Satellites

AXELSPACE
Space within Your Reach

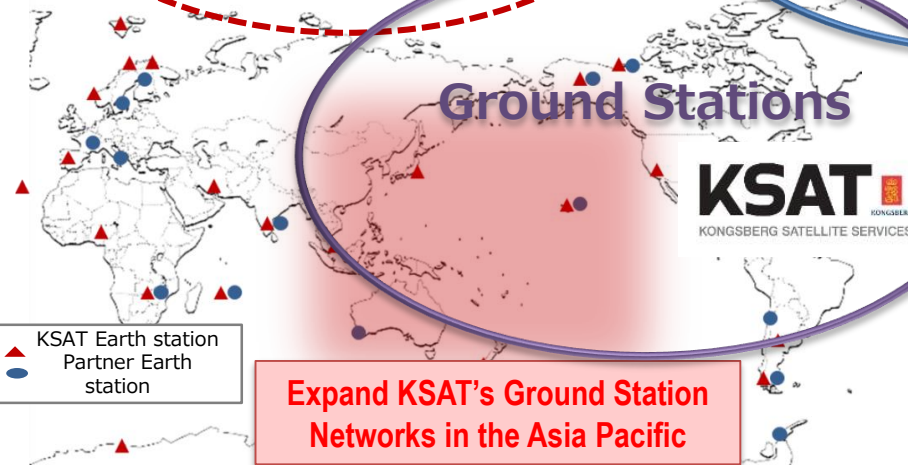
PLANET
LABS



Ground Stations

KSAT
KONGSBERG SATELLITE SERVICES

Expand KSAT's Ground Station
Networks in the Asia Pacific

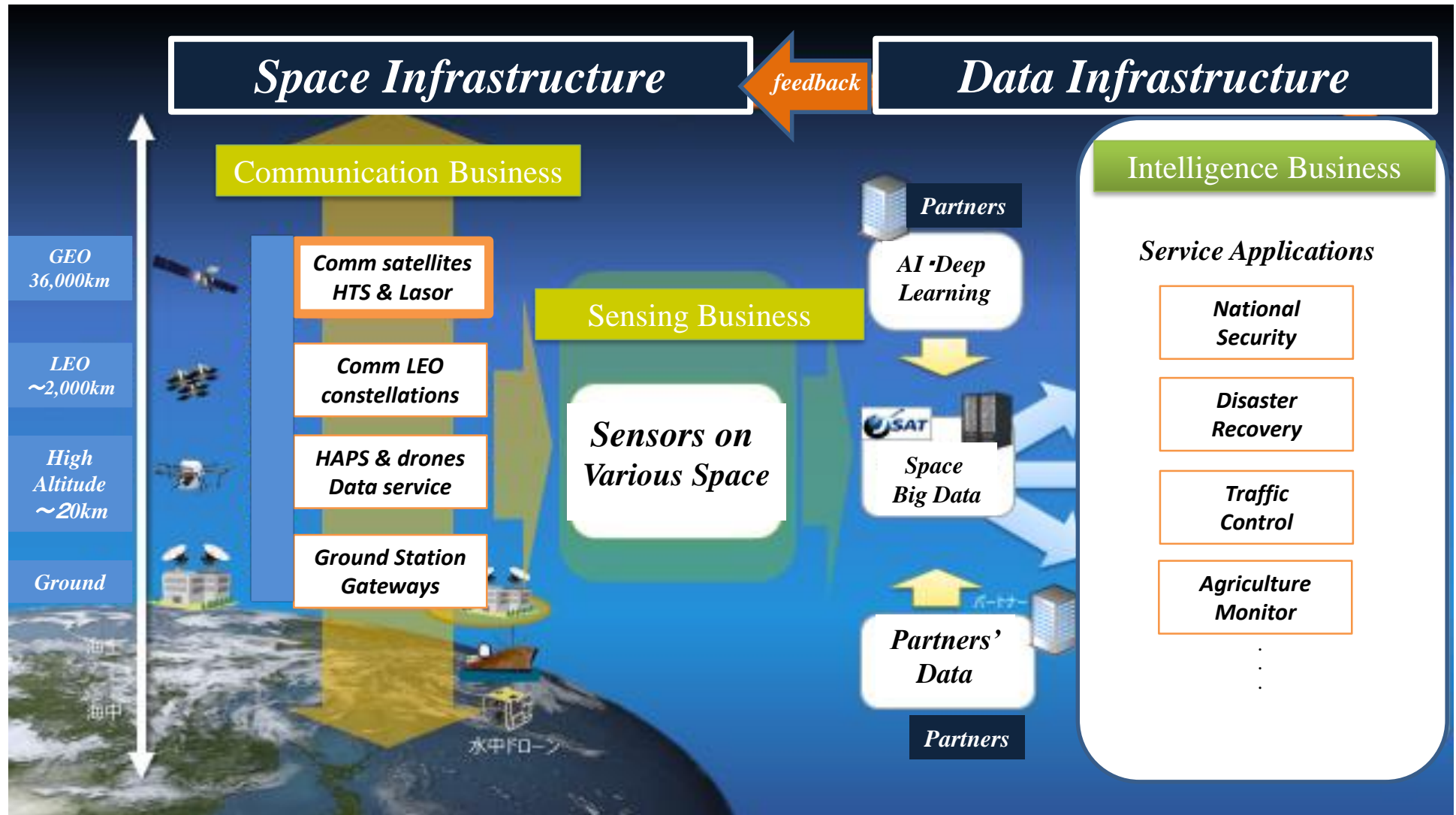


Value Added
Services

Data
Images

U
S
E
R
S

JSAT likes to work together with partners



<https://www.sptvjsat.com/en/>