47th Virtual UNISEC Global Meeting
2024/08/17

Making Ground Segment Simple - Infostellar's approach

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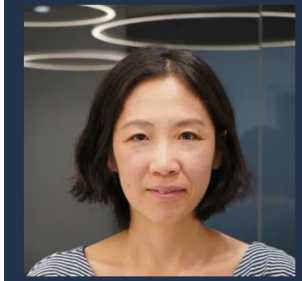
Infostellar

Infostellar is a software-driven space communications infrastructure firm.

Infostellar Senior Management Team



Co-Founder/CEO

Naomi Kurahara

Naomi has over a decade of experience in the Space industry. Naomi holds a PhD in Electrical Engineering from the Kyushu Institute of Technology, where she conducted ion engine and space plasma environment research with JAXA. Naomi also worked as a Researcher and Satellite Ground Systems Engineer before going on to found Infostellar in 2016.

Co-Founder/Board Member

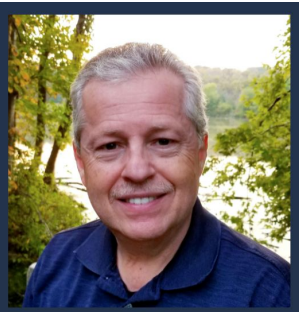
Toshio Totsuka

Toshi has over 40 years of experience in the international distribution and communication equipment manufacturing industry. Since 2014, he has been the appointed CEO of AOR Co., Ltd., mainly involved in multiple national projects for the Ministry of Internal Affairs and Communications, the National Police Agency, and the Japan Coast Guard. He was also involved in the design work for a radio monitoring system for the 2020 Tokyo Olympics and Paralympics.

Board Member/Airbus Ventures Partner

Lewis Pinault

With a PhD in International Law and Planetary Geophysics from the University of Hawaii, a B.Sc. in Science from MIT and an MS in Economics from LSE, Lewis started his career as an analyst and management consultant. He led the design of incubators and innovation centers such as Digital Catapult, EDS, and Shell for the UK government and served as an advisor to the Satellite Applications Catapult. In 2015, he became a partner in charge of Japan and Asia at Airbus Ventures and in 2017 he led Infostellar''s Series A round of funding and was appointed as an independent director.



CSO

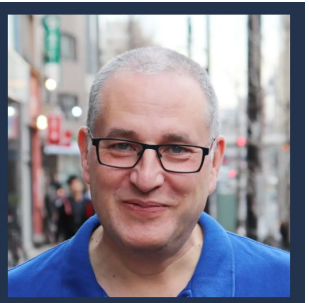
Tom Pirrone

Tom has over 38 years of operations experience in the Space Industry. He was one of the founders of Universal Space Network, the world's first Ground Station as a Service (GSaaS) provider, now an operating division of the Swedish Space Corporation. Tom's expertise in Strategic Development and global BD drives Infostellar's achievements in sales growth and market development.

CFO

Noriyuki Okada

At Ernst & Young ShinNihon LLC, Noriyuki was involved in legal audits of NASDAQ-listed companies, IPO preparation, and consulting for establishing internal controls. After independence, he helped startups raise funds and build teams, and in 2011, he joined a classifieds site company as a founding member and worked mainly as a corporate department manager. After returning to Ernst & Young ShinNihon LLC, Noriyuki planned and managed consulting services for startups and carve-out programs for large companies.



Director of Regulatory Affairs

Andy Fry

Andy has over 30 years of Regulatory, Government Affairs and Business Development experience in the communications industry. He enables Infostellar to provide a wide range of regulatory and licensing support services, and to facilitate onboarding clients and partners to StellarStation.

https://infostellar.net/team

Software-driven space communications Infrastructure firm. Ground Segment as a Service Provider.

StellarStation Global Network

- Global partners with antennas where you need them
- Cloud-based platform for control and monitoring
- Easily scalable, low cost.
- Quick path to operations.

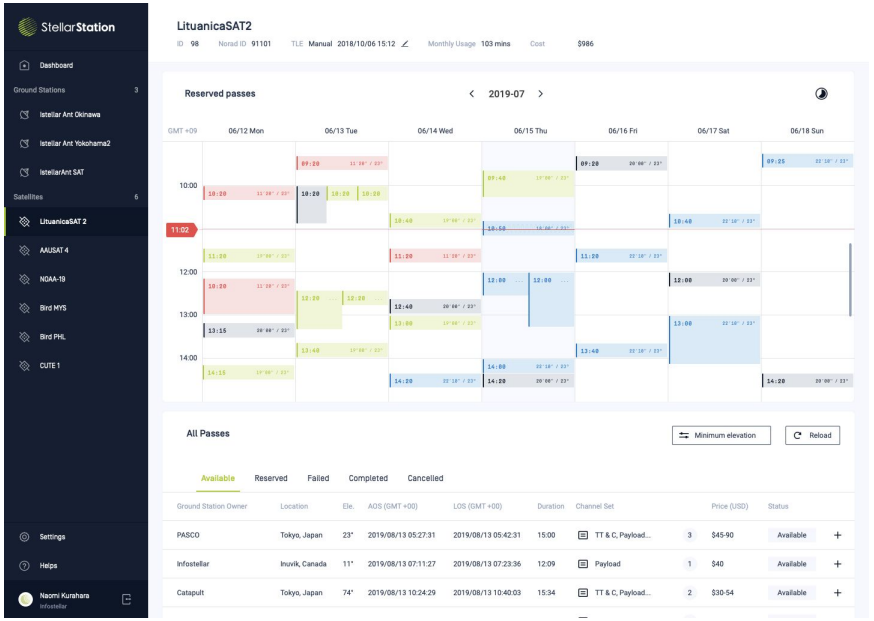
Hosting

- Dedicated hosting services in Japan
- Global Infrastructure as a Service

StellarStation is

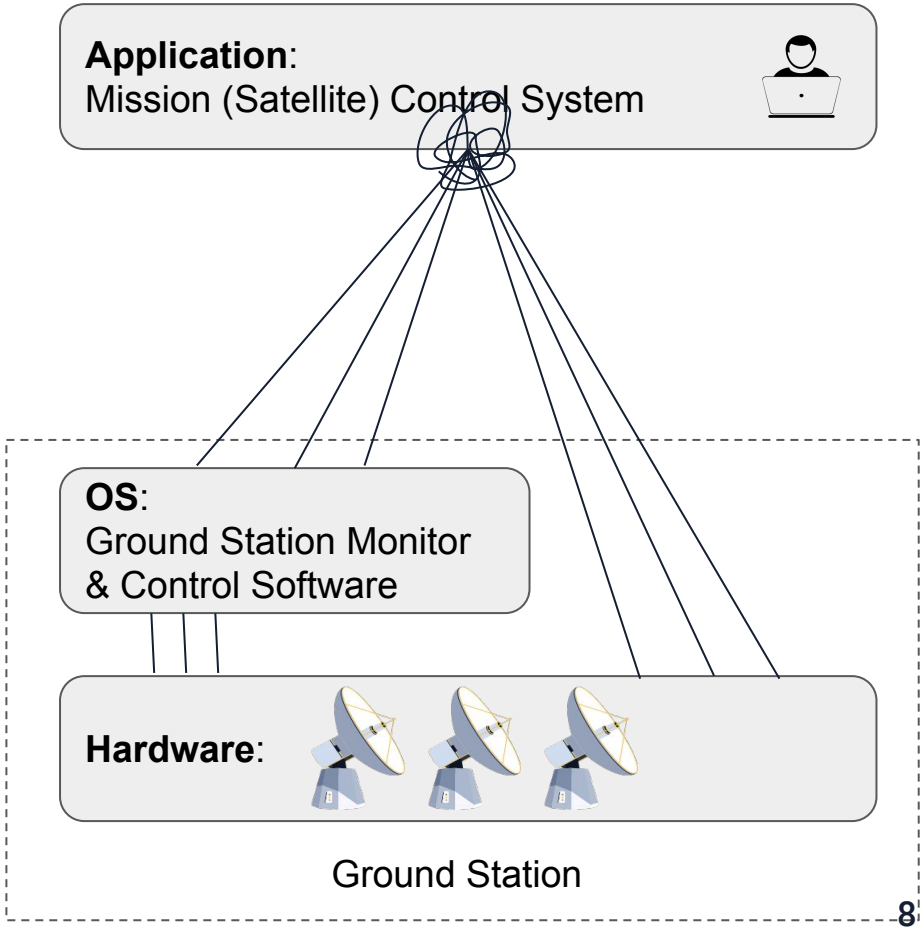
a flexible, scalable, satellite ground station sharing platform.

After a one-time setup, satellite operators can access any ground station across our global network from a common interface.



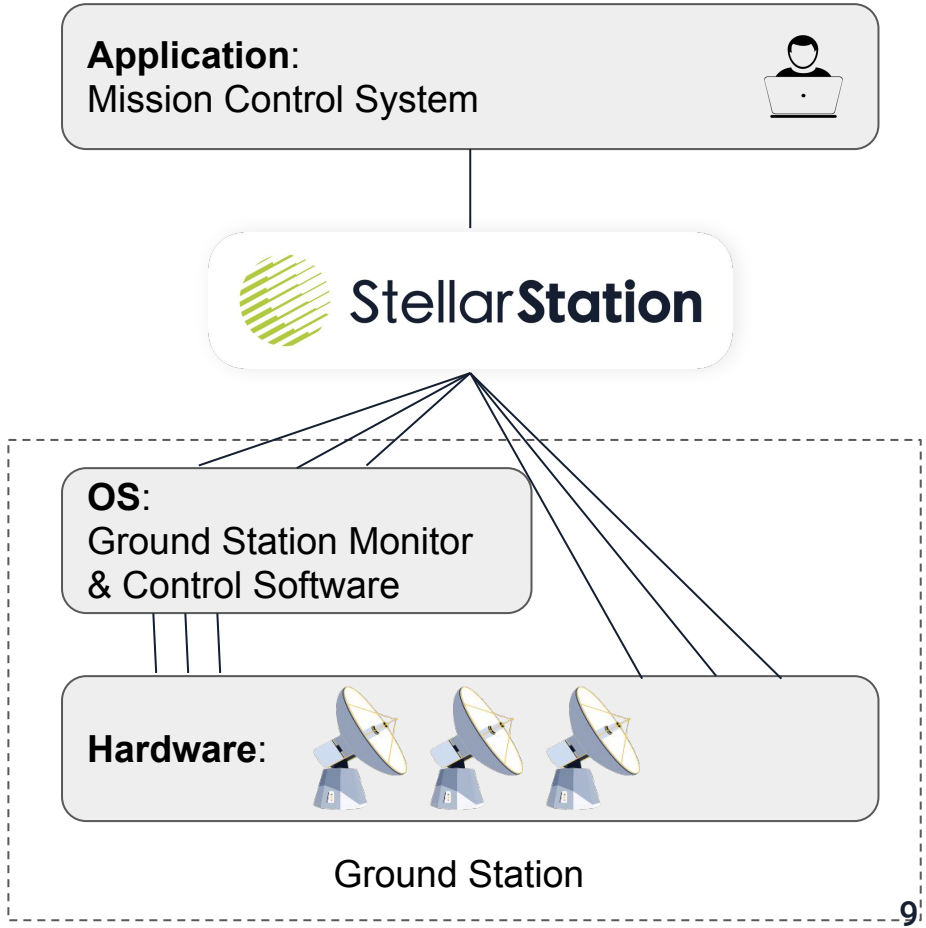
No Standardization
on ground station for satellite operation

- GSs for satellite communications are **not standardised**
- GSs **may not be available in the best locations** for the mission
- Contracts and connection work is required **with the each GS owners**



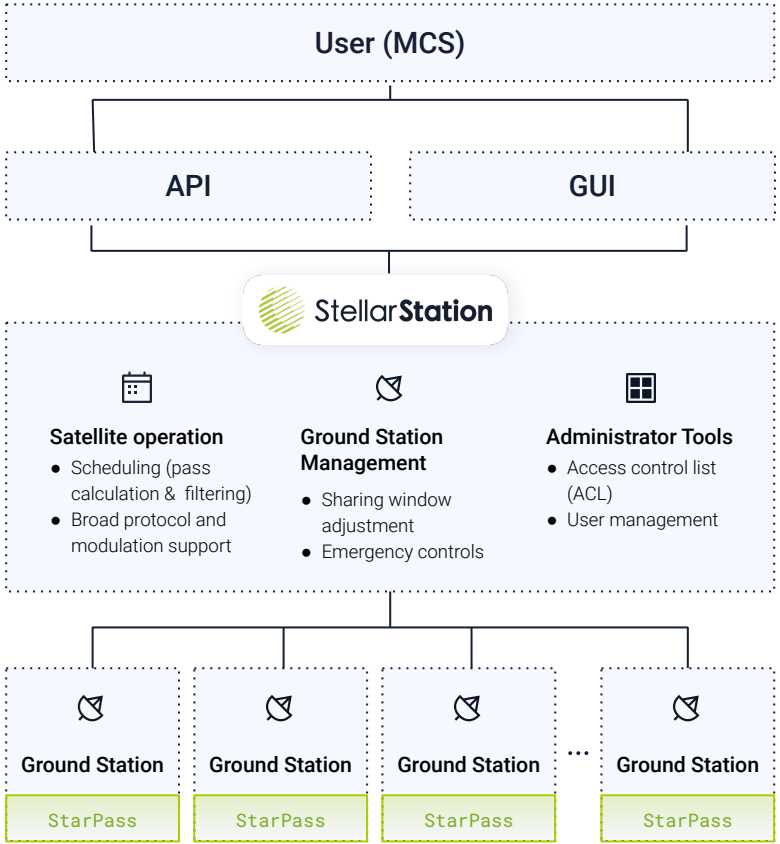
StellarStation:
Ground Station Network Middleware.

- **Standardised interfaces** for satellite operators
- Provides **a single network** of ground stations worldwide
- **Setup only once** with StellarStation



Never think twice about integration with StellarStation

- Access to a global network of GSs with a single integration
- GSs reservation, command transmission telemetry reception operations realised by a single API
- Leverage enterprise-grade, cloud-based services for data delivery



Existing Ground Stations and Near-Term Pipeline

28 S-Band Up/Down

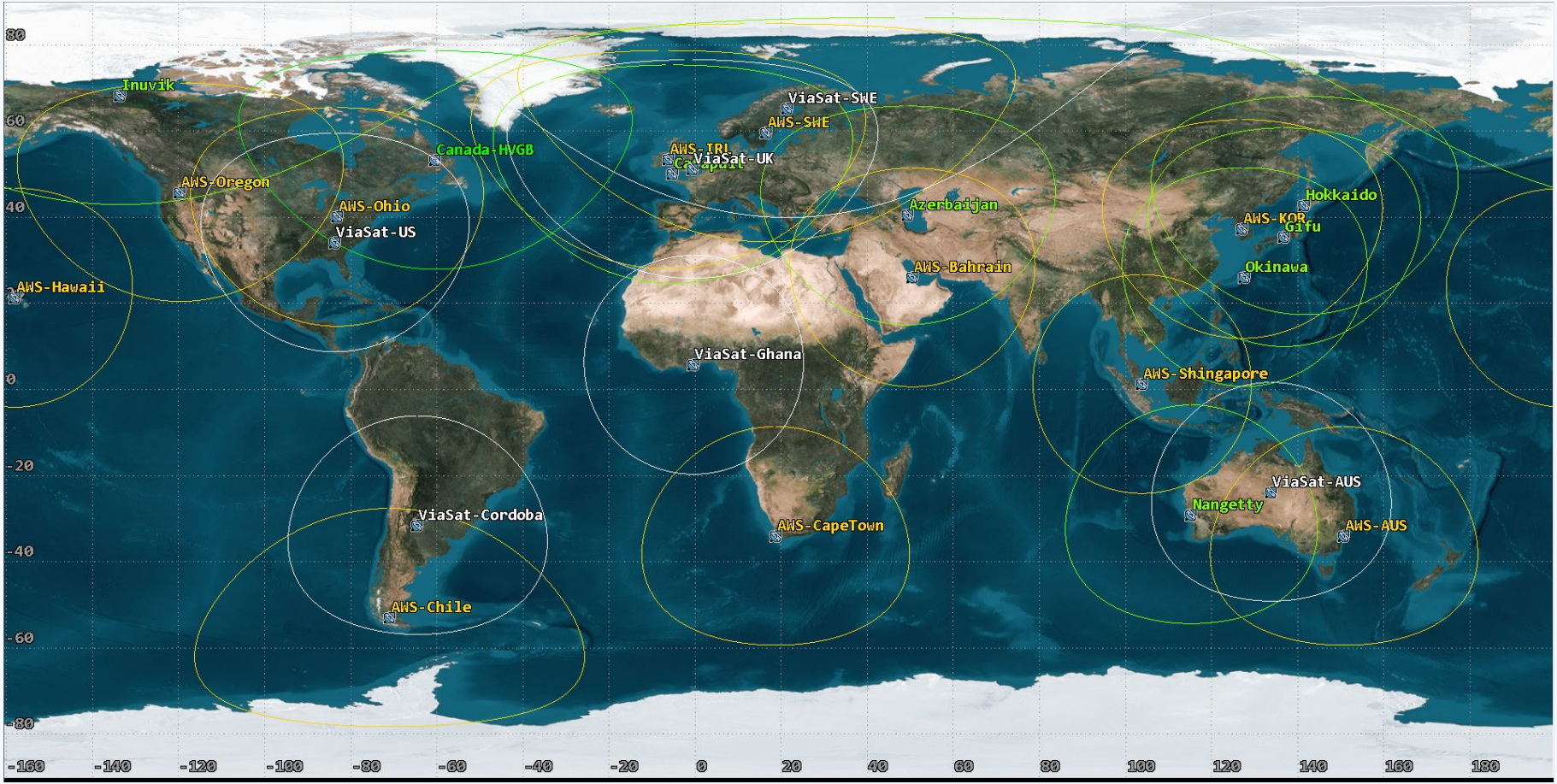
28 X-Band Down

6 Ka-Band Down

More ground stations in pipeline!

Aim:
Satellite mission data delivery in
15 minutes
from acquisition

Existing Ground Stations and Near-Term Pipeline



7 partners with 28 ground stations are on StellarStation now

On-StellarStation

Viasat

C-CORE

aws

azercosmos
customized excellence

PASCO
World's Leading Geospatial Group

JSAT

Kawasaki
Powering your potential

Coming Soon

US ELECTRODYNAMICS, INC.
INTERNATIONAL GATEWAYS
"BRINGING THE WORLD TOGETHER"

CAPRICORN SPACE

More ground stations in pipeline!

World's first AWS-certified software as GSaaS provider-provided software

- **AWS Public Sector Partners (PSPs)**
  Work with AWS public sector sales, marketing, fund, capture and proposition teams to help grow the public sector business

- **AWS Certified Software**
  Ensures alignment with AWS best practices related to security, reliability and operational excellence as defined by AWS
  Provides software users with the benefit of being able to focus on business outcomes with peace of mind and without unnecessary risk

Why Infostellar?

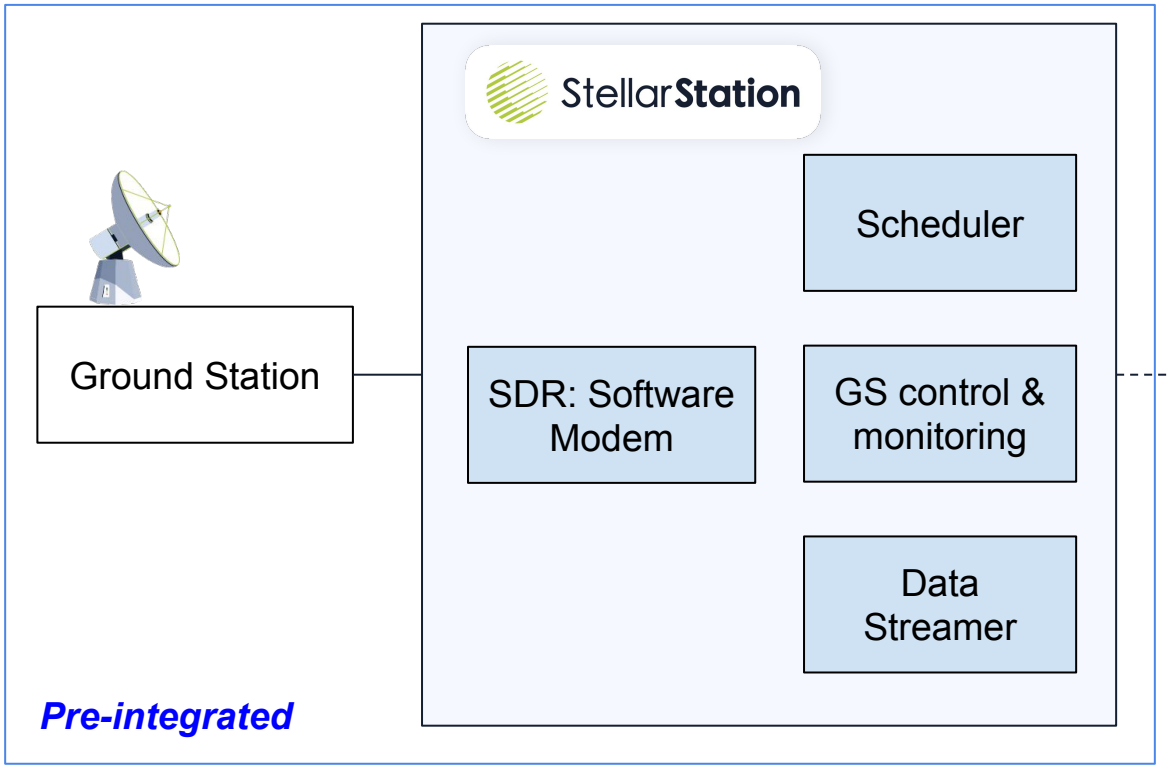
StellarStation Network - Global Coverage

- StellarStation GS Network has many Ground Stations distributed to all over the world.
- Gives satellite operators great option to select commanding or data downlink Ground Station.

Infostellar - Help Ground Station Network Design and Onboarding

- Knowledge and experience about Ground Station Network
  - License and Frequency coordination
  - System Integration
  - Service level and price
- Pre-integrated system can be used

Our Offer: Pre-integrated System



What you need (minimum):

- Data streaming API integration
- RF compatibility check

Infostellar provides **pre-integrated system** and **operation management tools** to make your ground station integration easy - *This reduce your integration cost dramatically*

StellarStation

https://www.stellarstation.com/

Operation management tools

- Pass booking
- Pass report
- Anomaly ticket managemet

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Thank you
& Please contact
sales-all@istellar.com

https://www.infostellar.net/