



GOMSPACE
CORPORATE PRESENTATION

| GOMSPACE AT A GLANCE |

- Globally leading designer, integrator and manufacturer of high-end nanosatellites
- HQ in Denmark and subsidiaries in Sweden, Luxembourg, NA and Singapore
- Founded in 2007 and listed in at Nasdaq in Stockholm (GOMX) in 2016
- Positions of strength include systems integration, nanosatellite subsystems and advanced miniaturised radio technology
- Our 170+ strong international team (13 nationalities) is devoted to understanding our customer's requirements and deliver flawlessly
- Serving customers in more than 50 countries within the commercial, academic, science and defence segments



| WHERE TO FIND US |



DENMARK · SWEDEN · NORTH AMERICA · ASIA · LUXEMBOURG

GOMSPACE

SUBSYSTEMS



- SOFTWARE
- SOLAR PANELS
- EPS
- BATTERY
- COMMUNICATION
- COMPUTERS
- ADCS
- STRUCTURES
- PROPULSION
- GROUND STATIONS

PAYLOADS



- SOFTWARE DEFINED RADIO
- ANTENNAS 0-40 GHZ
- AIS & ADS-B TRACKING
- COMMUNICATION

PLATFORMS



- SIZE: 1-64U
- FLEXIBLE CONFIGURATIONS
- INTER-SATELLITE LINKING
- ACTIVE STATION KEEPING

CONSTELLATION SERVICES



- SATELLITE OPERATIONS
- NETWORK MANAGEMENT
- DATA DISTRIBUTION

SUPPORT ELEMENTS



- LAUNCH PROCUREMENT
- REGULATORY AFFAIRS
- INSURANCE

| BUSINESS SOLUTIONS |





We provide turn-key solutions to customer requirements, including:

- Mission analysis and design
- Mission specific system developments
- Hardware manufacturing
- Software development
- Satellite and payload integration and testing
- Launch & commissioning management
- Ground station deployment
- Training and operational support
- Large-scale productions

We apply space industry standard project management practices based on ESA/NASA standards.



GOMX FLIGHT DEMONSTRATION PROGRAMS

Mission	Objectives	Status/ results
	<ul style="list-style-type: none"> • 2U platform • 1st gen. ADS-B receiver 	<ul style="list-style-type: none"> • Launched in 2013 • Successful payload demonstration • Platform still in operation
	<ul style="list-style-type: none"> • 2U platform, new avionics • Aero brake payload • Quantum mechanics payload 	<ul style="list-style-type: none"> • <i>Launch failure in 2014</i>
	<ul style="list-style-type: none"> • 3U platform • 2nd gen. ADS-B receiver • Software Defined Radio • 3MBit/s X-band downlink • Robust ADCS capability 	<ul style="list-style-type: none"> • Launched in 2015 • All mission objectives successfully met • Payload functions extended through in-orbit upgrades • Entered in 2016 (12 month+ from ISS)
	<ul style="list-style-type: none"> • 2x 6U platforms • AIS, ADS-B tracking • Visual & hyperspectral camera • Cross linking • Enhanced ADCS capability • Propulsion for station keeping 	<ul style="list-style-type: none"> • On-track to launch in Q1 2018

BUSINESS SOLUTION EXAMPLE: SKY AND SPACE GLOBAL

“3 Diamonds” Precursor Mission of 3x 3Us:

- Sky and Space Global (SSG) private commercial customer
- Nanosatellites constellation in space for providing a global communication infrastructure
- In orbit and successfully demonstrating capabilities for telecommunications
- Next step is constellation deployment with 200+ satellites

Key Capabilities Provided:

- Capable satellite platform:
 - Inter-satellite link capability
 - Agile pointing and drag management
- Tailored payload to customer needs:
 - Powerful Software Defined Radio
 - Customised antenna and RF front-end



BUSINESS SOLUTION EXAMPLE 2: AERIAL & MARITIME

Tracking

Intelligence
Applications

Business set-up:

- Aerial & Maritime (A&M) registered in Mauritius
- To serve 112 countries around Equator
- Aircraft and ship tracking for situational awareness
- En-route billing service for aircraft
- To be launched H1 2018 to 500km near equatorial orbit

Key Capabilities Provided:

- 8x 3U satellites to fly in loose formation
- Operational duty-cycle and life-time requirements
- High performance patch-array antenna configuration
- Highly sensitive AIS and ADS-B receivers
- Ground segment and operations



GOMSPACE SATELLITES

A Glimpse Inside: GomSpace Satellites

A small camera called a star-tracker helps the satellite determine which direction it is pointing by aligning with the stars in the sky. Small sensors around the spacecraft also detect the position of the sun to help orient the satellite.



The NanoPower BPX battery pack provides a massive amount of power for critical operations while the satellite is in eclipse and the power it would normally get from the sun is blocked by the earth.



The NanoMind Z7000 and NanoCom TR600 are at the heart of a powerful Software-Defined Radio which gives GomSpace satellites unmatched RF flexibility, including high-speed radio communication to the ground and to other satellites.



The modular GomSpace system design combined with industry leading software allows customers to integrate payloads without worry.



A GPS unit built into the satellite allows the spacecraft to have very accurate location knowledge, which is critical for advanced satellite control.



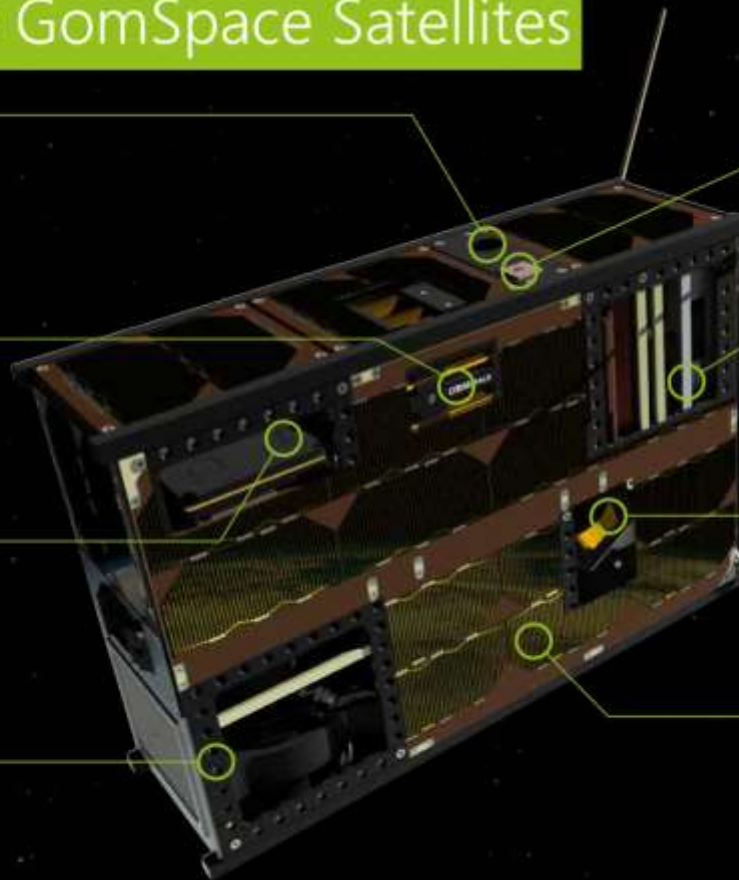
A propulsion unit allows the satellite to reposition itself into a different orbit, or to avoid other objects in space.



Advanced reaction wheels use their spin to point the satellite with pinpoint accuracy. This allows the satellite to track locations on the Earth with incredible precision.



GomSpace uses the highest efficiency solar cells in the industry, giving GomSpace satellites more power from the sun.



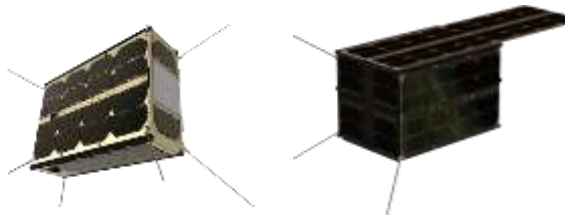
"SAP": Satellites As Products



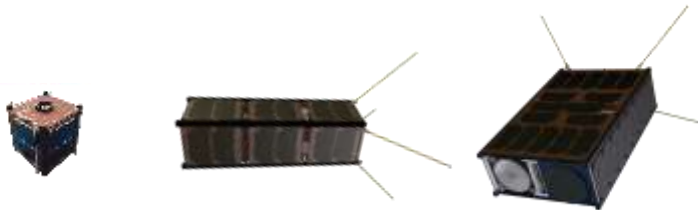
AIR / MARITIME SURVEILLANCE



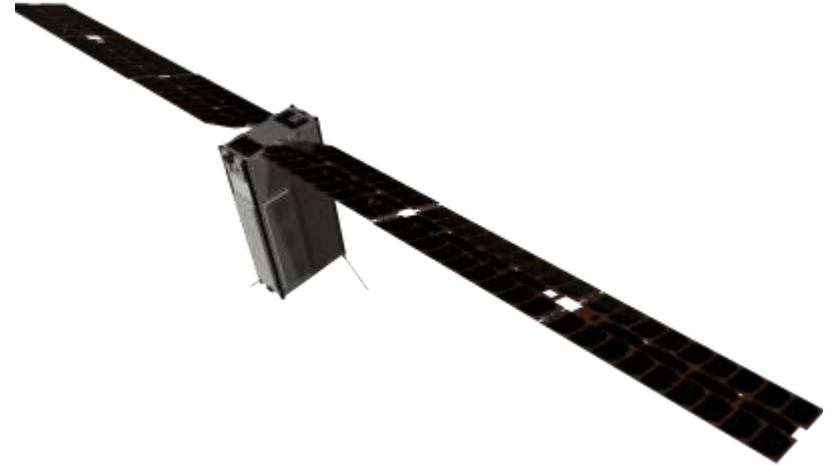
SATCOM / IoT



SIGINT (ELINT, COMINT)



EARTH OBSERVATION



WHY CHOOSE (PRODUCTS FROM) GOMSPACE?

- Our products are developed, qualified and in-orbit validated through our GOMX flight test program
- Performance of our products as demonstrated in space is second to none
- Batch production ensure high quality, low lead time and attractive cost
- Intersatellite Linking and Communication
- Software Defined Radio
- World leader in ADS-B tracking
- Full service satellite integrator

Examples of our quality tests (LEOP + Shock tests):



REFERENCES

"GomSpace is one of the best companies in the new space business. It is a great honour working with them."

- Meidad Pariente, CTO at Spacecialist, Israel

"We are certain that the GOMX-4B mission will significantly advance the state-of-the-art of nanosatellite capabilities in view of future operational missions following on from the highly successful GOMX-3 mission"

- Dr. Roger Walker, ESA

"A fantastic company not only in technical aspects also in customer care and help. Definitely, a team in which you can rely and trust for your space mission."

- Alex Becerra, CEO at Aurora Space, Chile





| CONTACT FOR MORE INFORMATION |

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