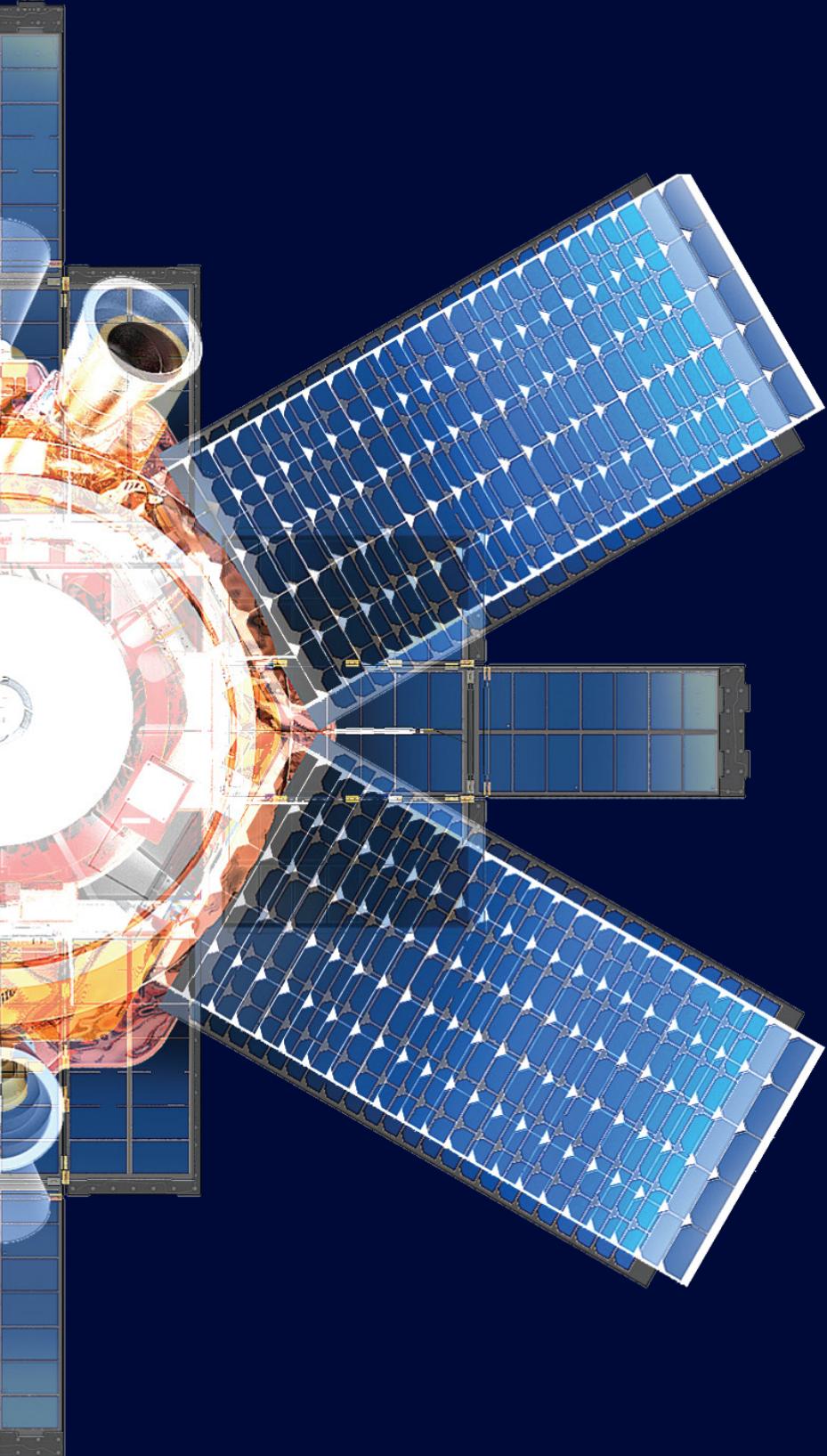


# SATREC INITIATIVE



# Sensing to Intelligence

World-Leading Solution Provider for Earth Observation Missions

Satrec Initiative was founded in 1999 by the engineers who developed the first Korean satellite. Over the past 25 years, we have dedicated ourselves to developing high-performance small and medium satellite systems for Earth observation missions.

Satrec Initiative provides global GEOINT solutions from Earth observation satellites, ground systems, imagery services, and AI-based geospatial analytics.



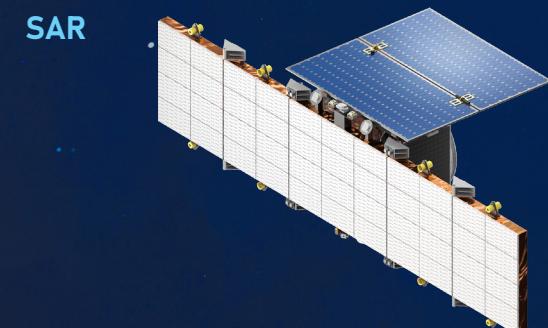
# SENSING TO — INTELLIGENCE

# SATREC INITIATIVE IN NUMBERS

SPACE PROJECTS <b>30+</b>	SATELLITE SYSTEMS <b>8</b>	SATELLITES UNDER-DEVELOPMENT <b>18</b>
ELECTRO-OPTICAL PAYLOADS <b>6</b>	VERY VERY HIGH RESOLUTION <b>0.3m</b>	LONG-TERM PARTNERSHIP <b>20+ YEARS</b>
IMAGING SERVICES <b>8 SATELLITES</b>	IMAGERY RESELLERS <b>160+</b>	GEOINT ANALYSIS <b>50+ AI PACKS</b>
QUALITY MANAGEMENT <b>ISO 9001 AS 9100</b>	 <p>EARTH OBSERVATION SATELLITE SYSTEMS</p>  <p>SATELLITE IMAGING SERVICES</p>  <p>AI-BASED GEOSPATIAL ANALYTICS</p>	
 <p>EARTH OBSERVATION SATELLITE SYSTEMS</p>  <p>SATELLITE IMAGING SERVICES</p>  <p>AI-BASED GEOSPATIAL ANALYTICS</p>		

As of 2024

# SATELLITE SYSTEM PORTFOLIO



SpaceEye-T @ 600 km	
Bands	PAN + 4 MS
GSD	PAN 0.3 m, MS 1.2m
Swath Width	14 km
D/L Speed	2.0 Gbps

SpaceEye-M @ 500 km	
Bands	PAN + 4 MS
GSD	PAN 0.8 m, MS 3.2 m
Swath Width	9.6 km
D/L Speed	600 Mbps

SpaceEye-R @ 500 km	
Bands	X-band
GSD	0.5 m (spot)
Swath Width	> 100 km (Scan)

# Space Heritage

30+ Years of Passion for Space

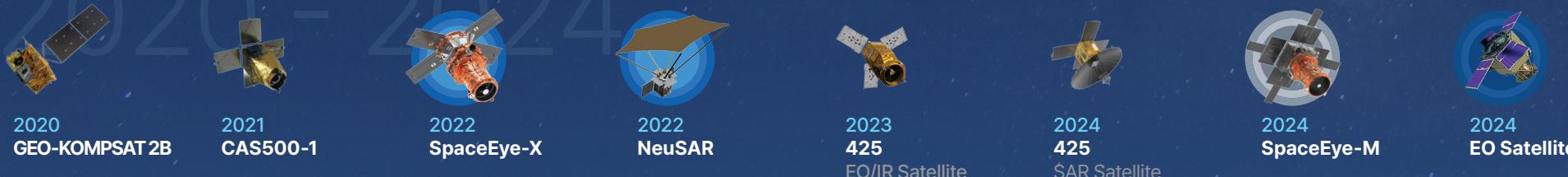
1992 - 2009



2010 - 2019



2020 - 2024



2025 - 2030 Under Development



## Customers/Partners



## Satellite Systems



### High-Performance Small/Medium Satellites

<b>Satellite Platform</b>	<b>EO Payload</b>	<b>Ground System</b>
High-speed maneuvering, rapid data transmission, and stable power supply to complete mission of satellite	Provides high-quality images with large diameter optics and low-noise detectors	Maximizes satellite operational efficiency and image quality through optimized systems

### Satellite Systems Development



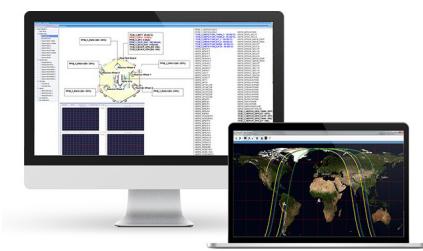
01 Design & Analysis 02 Manufacturing & Assembly 03 Space Environment Test 04 Launch & Early Operation

## Commercial Ground Systems



### Mission Control System

- Satellite Control
- Flight Dynamics
- Mission Planning
- Data Management & Archiving
- Satellite Simulator

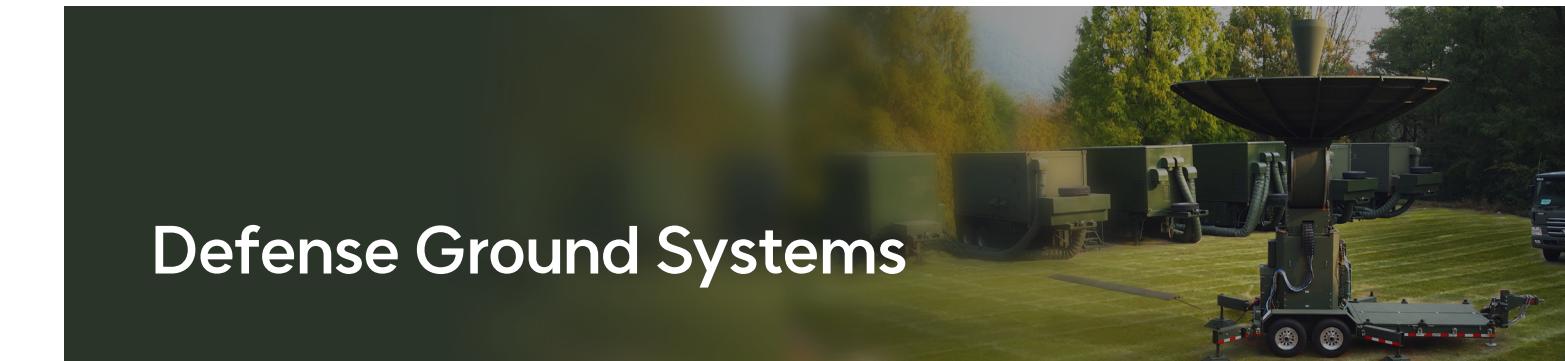


### Image Receiving & Processing System

- High-Speed Image Data Acquisition
- Radiometric/Geometric Correction
- Image Collection Planning
- Catalogue Search & Browsing
- Post-launch CAL/VAL



## Defense Ground Systems



### Mobile Ground Receiving & Processing System

- Mobile ground system for EO/IR satellites
- Mobile ground receiving system for SAR satellites
- Movable antenna, trailer, shelter, and support equipment
- Image receiving, processing, and analysis



### SMUDI Secure Satellite Imaging Platform

- High-speed satellite/aerial image display
- 2D/3D terrain and image display
- 2D/3D simulation
- Image analysis
- 2D/3D engine and Server equipment

# Space Components

Satrec Initiative develops and provides different types of in-house space components such as high-accuracy attitude control sensors, compact electrical components, and high-efficiency electric propulsion components.

Through our in-house design and manufacturing capabilities for space components, we provide cost-effective solutions optimized for system performances.



# Satellite Technology Training



## 1 Training Courses for Satellite System

SI provides tailored training courses that cover a wide spectrum of satellite system development from mission analysis to ground station operation and post-launch calibration/validation.

## 2 On-the-Job Training

Our experienced engineers provide the on-the-job training (OJT) to design, manufacture, test, and operate satellite systems.

## 3 Launch & Early Operation (LEOP) and In-Orbit Commissioning

We provide support during launch campaign, early operation, and in-orbit test, which is one of the most critical phases in satellite system development.



SATREC INITIATIVE

**Munji R&D Complex(HQ):**

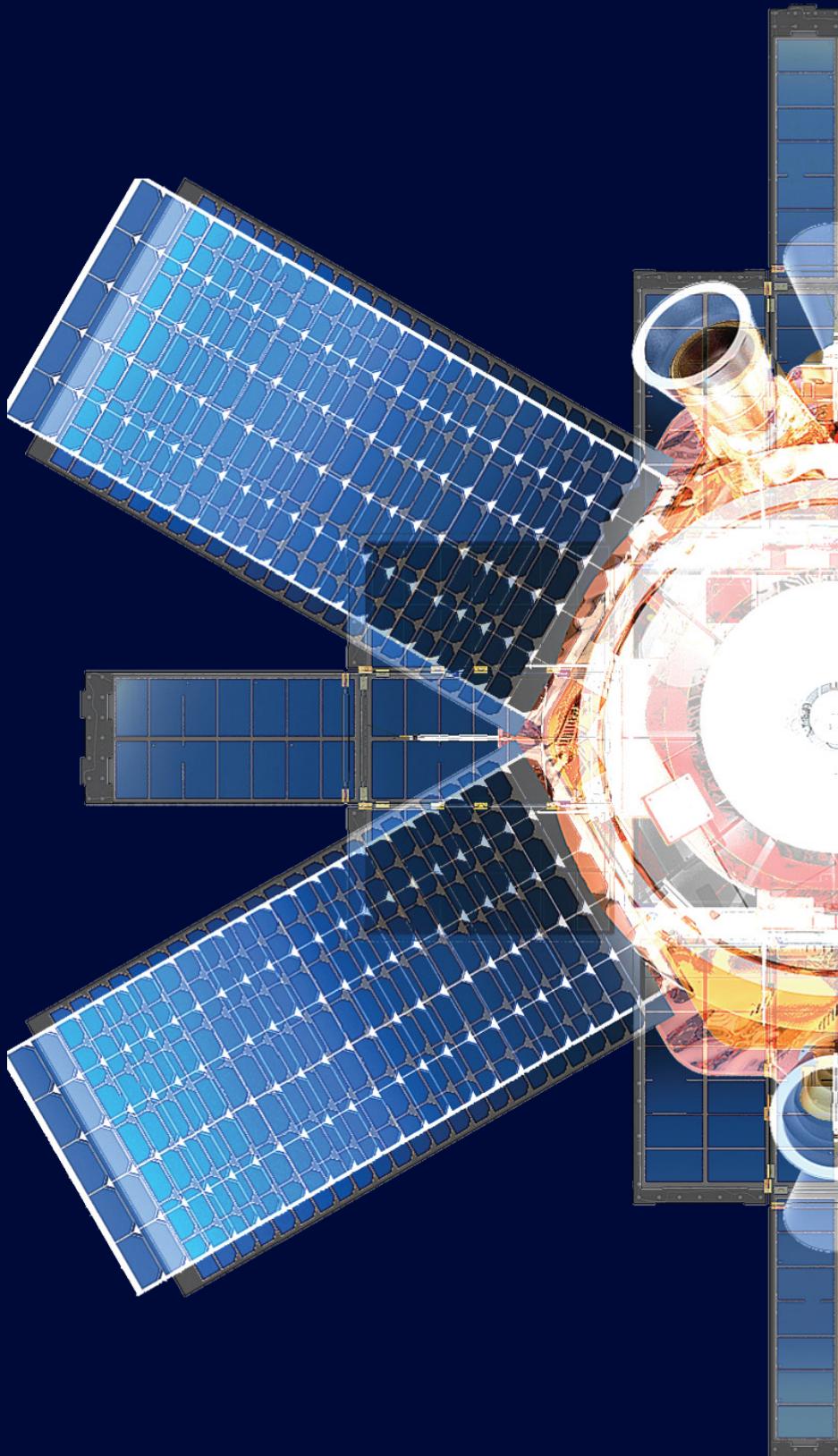
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Republic of Korea

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📞 042-365-7500

🏡 [www.satreci.com](http://www.satreci.com)



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