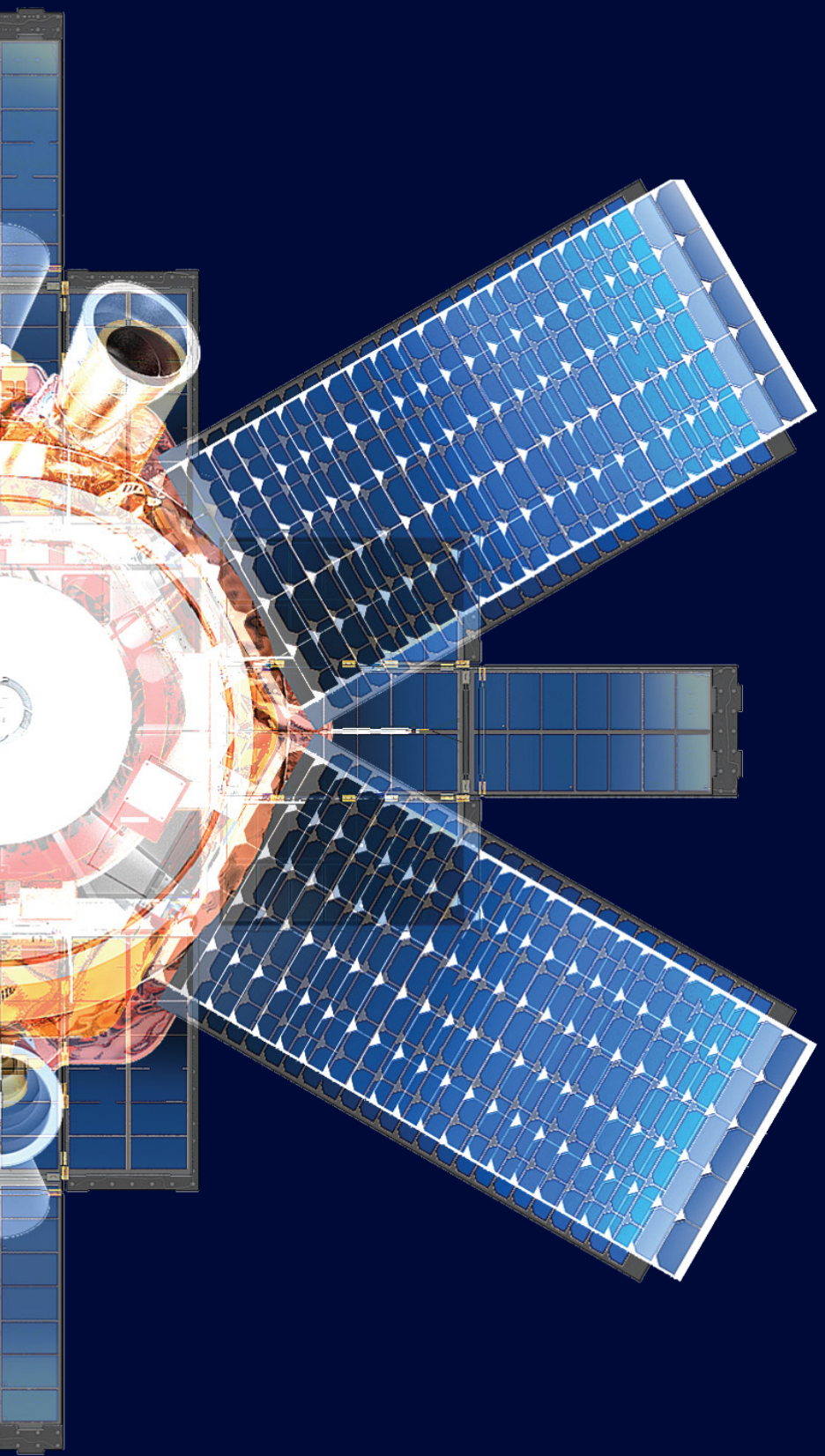


SATREEC INITIATIVE

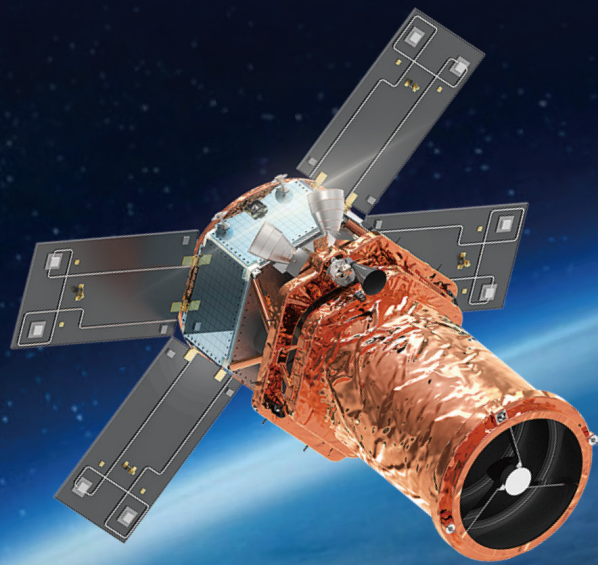


Sensing to Intelligence

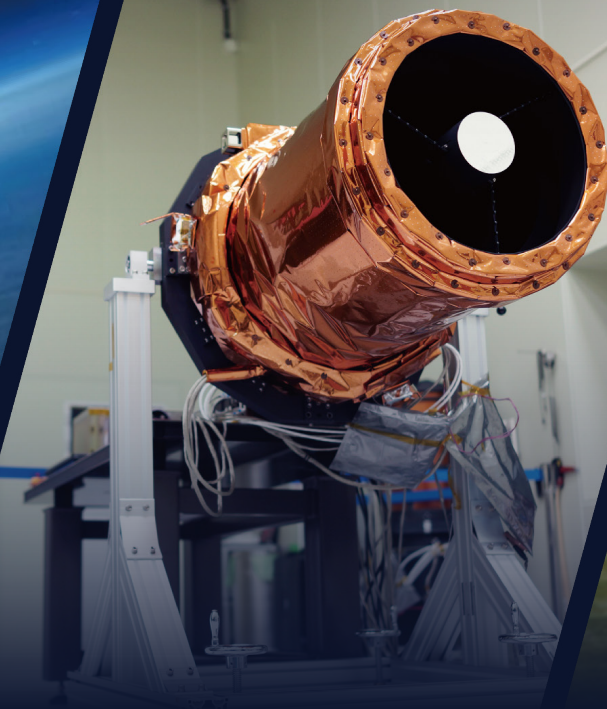
World-Leading Solution Provider for Earth Observation Missions

Satrec Initiative was founded in 1999 by the engineers who developed the first Korean satellite and a series of advanced small satellites. We have been focusing on developing high-performance small/medium satellite systems for Earth observation missions.

Today, we provide from remote sensing satellites, ground systems, imaging services to AI-based geospatial analytics integrating the Earth observation value-chain.



Satellite Systems



Electro-Optical Payloads



Ground Systems



Image Credits: KARI, SIIS

Imaging Services



Geospatial Analytics


30+
SPACE
PROJECTS



8

**SATELLITE
SYSTEMS**

13
SATELLITES
UNDER DEVELOPMENT



ELECTRO-OPTICAL
PAYLOADS

0.3m
VERY VERY
HIGH-RESOLUTION


20+
YEARS



**LONG-TERM
PARTNERSHIP**

IMAGING
SERVICES

8 SATELLITES

A stylized icon of a satellite in the upper right and a globe in the lower right, both in grey.

IMAGERY
RESELLERS

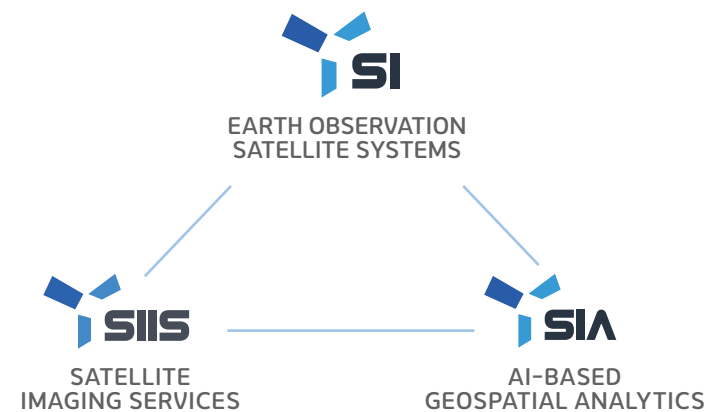


160 +

**GEOINT ANALYSIS
AI PACKS**

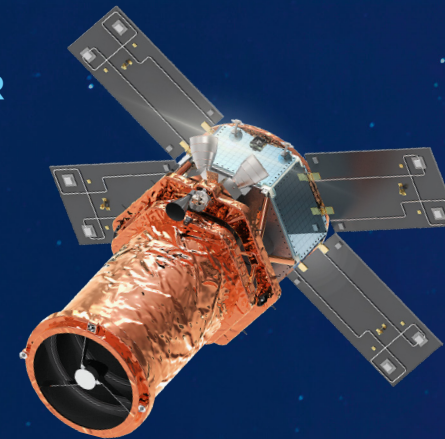
50+

QUALITY MANAGEMENT
ISO 9001
AS 9100



Satellite System Portfolio

VVHR

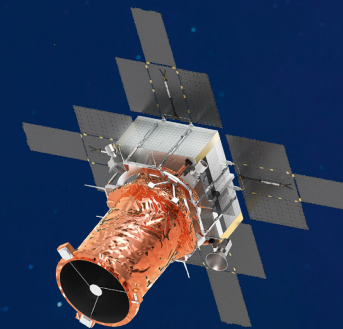


SpaceEye-T

@ 600 km

Bands	PAN + 4 MS
GSD	PAN 0.3 m, MS 1.2m
Swath Width	14 km
D/L Speed	1.6 Gbps

VHR

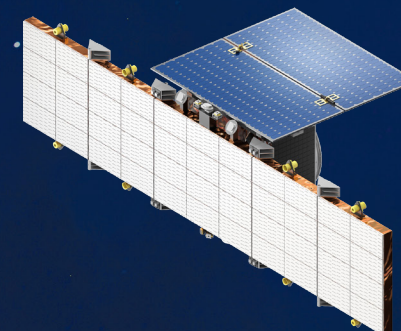


SpaceEye-M

@ 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

SAR



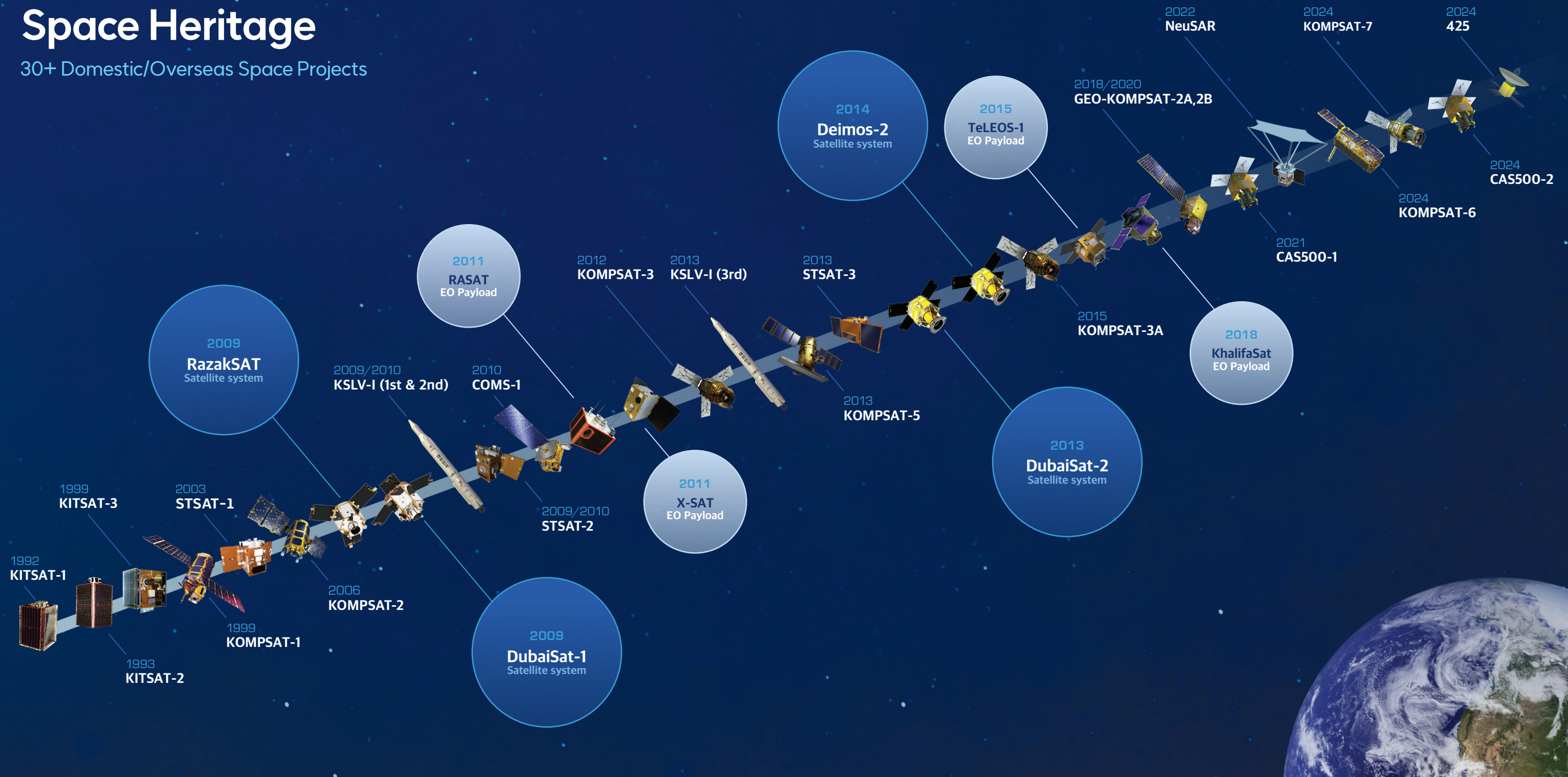
SpaceEye-R

@ 500 km

Band	X-band
GSD	< 1 m (spot)
D/L Speed	600 Mbps

Space Heritage

30+ Domestic/Overseas Space Projects



Customers/Partners



Satellite Systems



Ground Systems



Mission Control System

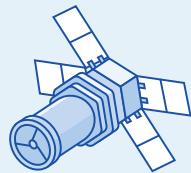


- Satellite Control
- Flight Dynamics
- Mission Planning
- Data Management & Archiving
- Satellite Simulator



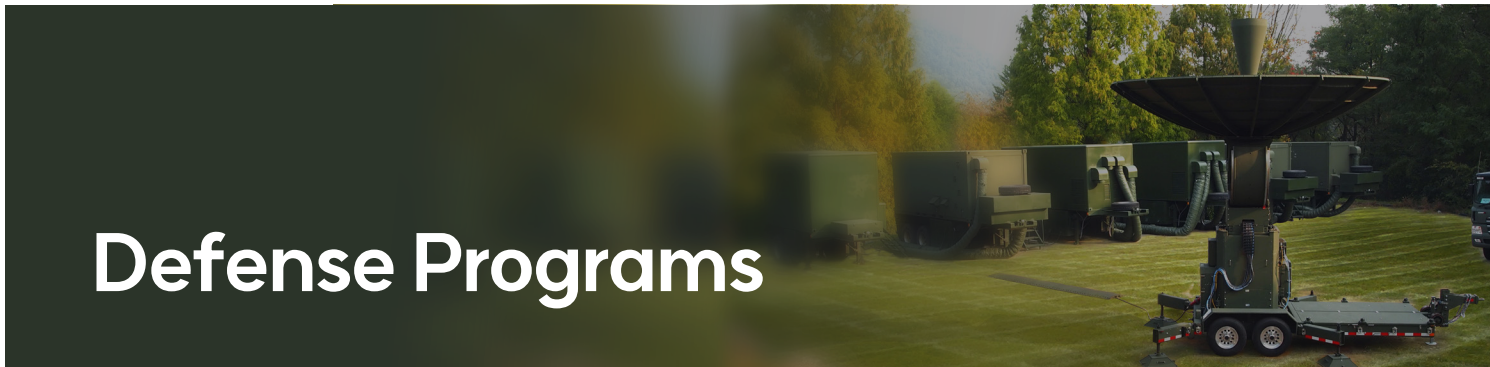
Image Receiving and Processing System

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

High-Performance Small/Medium Satellites

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

Defense Programs



Mobile ground station

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



SMUDI Secure Satellite Imaging Platform

- Satellite/Aerial Image Fast Display
- 2D/3D Terrain and Image Display
- 2D/3D Simulation
- Image Analysis
- 2D/3D Engine and Server Equipment

Satellite Systems Development



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.



Knowledge Transfer

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

Jeonmin R&D Complex(HQ):

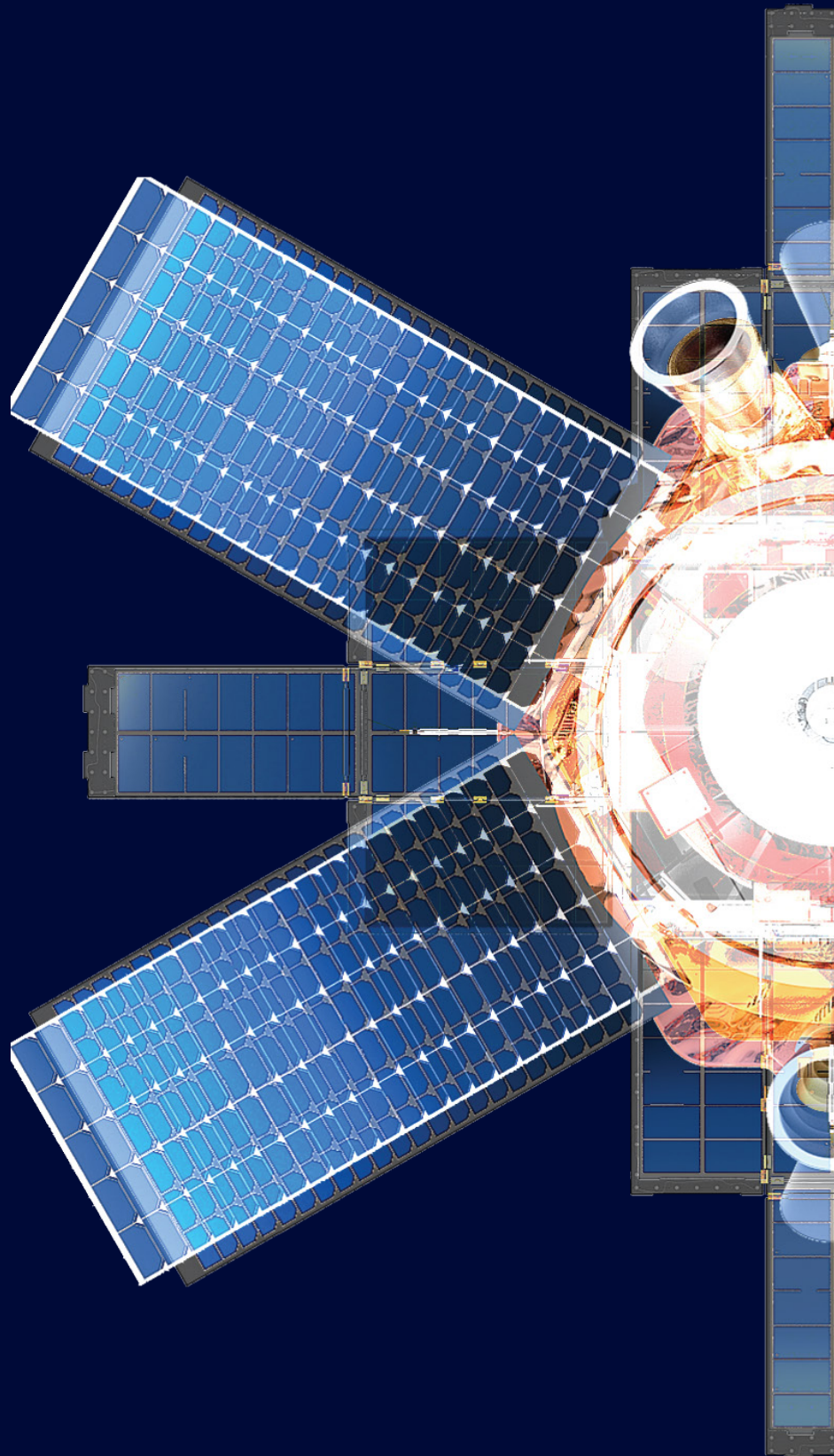
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Munji R&D Complex:

441 Expo-ro,
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Republic of Korea

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🏠 www.satreci.com



SI IMAGING SERVICES

🏠 www.si-imaging.com



SI ANALYTICS

🏠 www.si-analytics.ai