

KOREA SPACE INDUSTRY SALES MARKETING KIT

Information about companies participated in IAC



사단법인 한국우주기술진흥협회
Korea Association for Space Technology Promotion

Space Industries in Korea



Main Business

- Design and manufacturing fluid control parts
- Design and manufacturing welded metal bellows
- Design and manufacturing special valves
- Design and manufacturing propulsion systems and parts with thrusters

Products & Services

Products

- Welded Metal Bellows, Rectangular Bellows, Vacuum Valves
- Accumulators & Reservoirs, Aircraft Valves
- Latch Valves, Cryogenic Solenoid Valves, High Temperature Solenoid Valves
- H2O2 Thrusters, Propellant Tanks
- Metal Seals, RPM Sensors, Regulator

Services

- Design and Manufacturing for Various Fluid Control Valves and H2O2 Thrusters
- International Trades

Key Advantages of Technology/Product

- ISO 9001 Certificate
- AS 9100 Certificate
- Vacuum Furnace
- Thermal Cycle Test Chamber
- Precision Welding Techniques for Welded Bellows and High Pressure Vessel

Major Space Projects

- Solenoid valves development for Korea satellite launch vehicle project with KARI
- 50N thruster development for Korea satellite launch vehicle project with KARI
- Satellite thrust system development with NRF (National Research Fund)
- Surface tension tank developing

Main Customers

- Korea Aerospace Research Institute
- Agency for Defence Development
- Korea Aerospace Industries
- Hanwha Techwin
- Doosan Mottrol
- Hyundai Rotem

Company General

Company	Space Solutions Co., Ltd.		
CEO	Jaehun Lee	Number of Employees	140
Date of Establishment	Sep 1st, 2000	Turnover (2016)	US\$19,000,000
Classification	Small	R&D Internal Investments (2016)	US\$1,200,000
Address	#41, Techno 1 Ro, Yuseong-Gu, Daejeon City, 34015 R.O.Korea		
Contact	E-mail: sales@spacesolutions.co.kr Tell: +82-42-936-0444		
Website	www.spacesolutions.co.kr		

Related photos



< Quality Management System Certificate >



< Certificate of Approval >



Space Industries in Korea



Main Business

- Design, manufacturing and sale for fixed/rotary-wing aircraft, satellite, launch vehicle and related key components
- Upgrade & modification, MRO(Maintenance Repair Overhaul) and training system development business in relation to aircraft

Products & Services

- Fixed-wing aircraft : T-50 Family, KT-1 Family, KC-100, KF-X, UAV(RQ-101) etc
- Rotary-wing aircraft : KUH Family, LAH/LCH.
- Airframe : Major Aerostructure of A350XWB, A380, B787, B777 etc
- Space Program : Series of KOMPSAT, CAS500, Geo-KOMPSAT, KSLV and related key components.
- Upgrade & Modification : Maritime Patrol Aircraft(P-3CK), E-737 AEW&C, C-130H etc.
- MRO : H-53 Repair Business and KT-1, UAV, FA-50 PBL etc.
- Training System Development : Simulator and Training System(Maintainer Trainer Device, Maintenance Courseware, Educational Material etc).

* MRO : Maintenance Repair Overhaul.

Key Advantages of Technology/Product

Aircraft Business

- Development of the domestic first state-of-the-art and economic/efficient aircraft
- Diversity of derived aircraft for multi-role missions
 - . Fixed-wing : Aerobatic, Tactical primer, Light attack aircraft
 - . Rotary-wing : Police, Amphibious, Medevac, Forest, Fire fighter etc

Space Business

- After entering on development of KOMPSAT 1 in 1994, KAI has been participating in multi-purpose class satellite development including KOMPSAT, CAS500 and Geo-KOMPSAT programs over 20 years and secured excellent heritages for space-related products.

Company General

Company	Korea Aerospace Industries, LTD		
CEO	Ha Sung-Yong	Number of Employees	4,081 (March 2017)
Date of Establishment	1st Oct. 1999	Turnover (2016)	2.9 billion(USD)
Classification	Enterprise of middle standing	R&D Internal Investments (2016)	0.1 billion(USD)
Address	78, Gongdan 1-ro, Sanam-myeon, Sacheon-si, Gyeongsangnam-do, KOREA		
Contact	+82) 55-851-6737		
Website	www.koreaaero.com		

Main Customers

- ROKG and government funded research institute (KARI, ADD etc) in Korea
- Foreign government : Iraq, Thailand, Peru, Philippine, Indonesia, Turkey, Senegal etc
- Overseas aerospace company : Airbus, Boeing, Lockheed Martin, Embraer, Bombardier etc

Major Space Projects

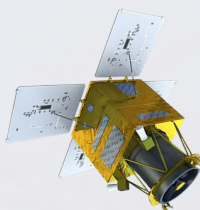
Development of :

- KOMPSAT 1/2/3/5/3A/6/7th System/Platform/Key components
- CAS500 1/2nd System/Platform/Key components
- Geo-KOMPSAT 2A/2B model Platform/Key components
- KSLV-II(Korea Space Launch Vehicle) System Assembly and Key components

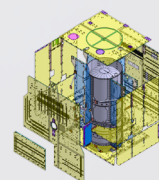
Related photos



< KOMPSAT 3A >



< CAS500 1 >



< Key Components >

Participation purpose of the IAC

- To seize the opportunity for exporting the KOMPSAT 3A and CAS-500 1/2 satellite through the meeting and marketing with potential customers
- To find the possibility of strategic cooperation with overseas space industries/institute/agency
- To enhance the competitiveness through analysis of global space market and technology development trend

The desired contact with Australian space company or space agency

- It would be appreciated to provide us with chance to meet and discuss Australian space company(ies)/agency(ies) possibly.

Space Industries in Korea



Main Business

Satrec Initiative (SI) is a world-leading solution provider for Earth observation (EO) missions. The technology and 27-year experience of SI covers the whole spectrum for EO missions including high-performance satellite platforms, high-resolution electro-optical payloads, and flexible and scalable ground systems. It offers reliable and cost-effective products for EO missions as well as sophisticated defense products. Since foundation, SI has contributed to the success of over 27 domestic and international space programs.

SI's two subsidiary companies provide high-resolution imagery and related services using various satellites (SI Imaging Services) and state-of-the-art radiation monitoring solutions (SI Detection).

Products & Services

Earth Observation Satellite System

- High-performance satellite platforms
- High-resolution electro-optical payloads
- Reliable & scalable ground systems

Defense Products

- Mobile ground stations
- Ground systems for UAV

Space Components

- Electrical, optical, and propulsion components developed in house for space applications

Services

- Engineering consulting services and training tailored for user needs

Key Advantages of Technology/Product

SI's satellite systems

- High performance (image resolution & quality, data throughput, agility, accuracy, data protection, flexible operation, etc.)
- Small satellites (compatible for various launch vehicles for multi-satellite launch)
- High reliability (space-proven designs & processes)
- Cost-effectiveness

Company General

Company	Satrec Initiative Co., Ltd.		
CEO	Byungjin Kim	Number of Employees	223 Full-time Staff
Date of Establishment	29/12/1999	Turnover (2016)	\$ 30 Million
Classification	Small & medium-sized company	R&D Internal Investments (2016)	\$ 6.4 Million
Address	21 Yuseong-daero 1628 beon-gil, Yuseong-gu, Daejeon, 34054, Republic of Korea		
Contact	E-mail : inquiries@satreci.com / Tel : +82 42 365 7474 Fax : +82 42 365 7549		
Website	www.satreci.com		

Main Customers

Government research institutes & aerospace/defense industries

Overseas

- Government research institutes, Aerospace companies, Satellite operators, Image distributors

Domestic

- Korea Aerospace Research Institute, Agency for Defense Development, Electronics and Telecommunications Research Institute, Korean air, LIG NEX1, etc.

Major Space Projects

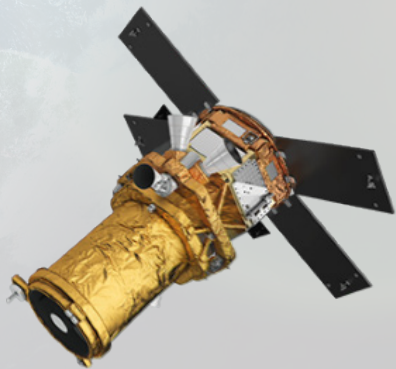
Overseas

- KhalifaSat : Elec. units, Telescope, Image Receiving & Processing System (IRPS)
- TeLEOS-1 : EO Payload
- Deimos-2 : Satellite System
- DubaiSat-2 : Satellite & Ground Systems
- RASAT : EO Payload & Attitude Sensors
- X-SAT : EO Payload
- DubaiSat-1 : Satellite & Ground Systems
- RazakSAT : Satellite & Ground Systems

Domestic

- KOMPSAT 1~6 : IRPS, Mission Control Station (MCS) Subsystems, Sun Sensors, etc.
- Geo-KOMPSAT-2A/B : Elec. Modules for Payload & Space Weather Sensor, IRPS, MCS Subsystems, EGSE

Related photos



< SpaceEye-X, SI's next-generation high-resolution satellite >

Participation purpose of the IAC

- Marketing of SI's products and services
- Gathering of information on latest space developments
- Discussion on potential collaboration

The desired contact with Australian space company or space agency

- Visit of Australian booths for information sharing and discussion

Space Industries in Korea



Main Business

Aerospace

- Observation of space environment : Prediction of cosmic radiation, Extreme route radiation dose analysis,
- Ground station construction : satellite reception / analysis / data management / mission planning
Ground station system construction technology

Information & communication

- GIS / RS : Land area analysis, marine oil spill detection, optical / IR / SAR image fusion technology
- ICT : Indoor Farming Technology, Hydroponic Cultivation Technology, Big Data High-Speed Processing

Products & Services

Product

- Marine Oil Spill Analysis Technology (InOS)
- Heterogeneous sensor satellite image fusion technology (InFusion)
- 3D satellite information display system (InPlanet)
- Cluster-based satellite data analysis platform (Tupix OC)

Services

- Satellite information utilization system construction service
- Ground station construction service that can receive satellite data
- Space environment information disclosure service

Key Advantages of Technology/Product

Product information

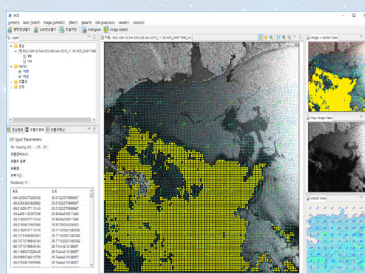
- Marine Oil Spill Analysis Technology (InOS) : Utilization of national security
 - Patent application : 1EA
- Multi sensor satellite image information convergence technology: utilizing optical / IR / SAR image research (Infusion)
 - Patent registration : 1EA, Patent applications : 3EA
- 3D satellite information display system (InPlanet): Education field, special research field utilization

Company General

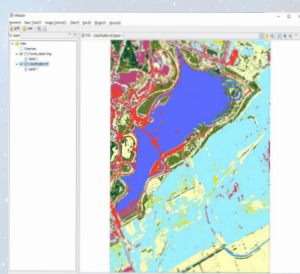
Company	InSpace.Co.,Ltd		
CEO	Myungjin Choi	Number of Employees	46
Date of Establishment	Feb. 01. 2012	Turnover (2016)	21.5 million
Classification	small and medium-sized businesses	R&D Internal Investments (2016)	2.5 million
Address	Gajeongbuk-ro 96, Yuseong, Daejeon, Korea		
Contact	+82-42-862-2735		
Website	www.inspace.re.kr		

- Cluster-based satellite data analysis platform (Tupix OC)

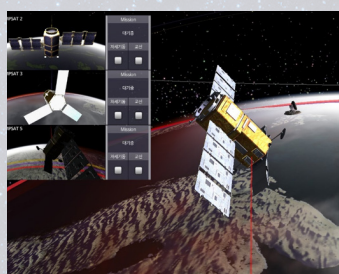
- This platform enables time-series image processing analysis from satellite for red-tide detection and climate change.
- Also it is able to do high-speed image processing about 70 times faster than SciDB.
- It is possible to increase research productivity by simultaneously processing various satellite data.
- In addition to data-centered research support technology, it can be secured by developing data conversion and visualization technology.



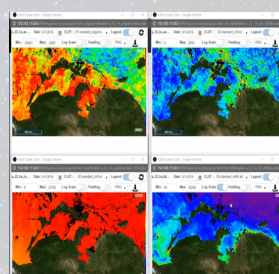
< InOS >



< InFusion >



< InPlanet >



< Tupix >

Main Customers

- Experienced joint business with public institutions / public corporations
- Signed a reseller agreement to cooperate with domestic and foreign companies with excellent technology
- (Norway - Kongsberg, KTSAT - satellite ground station SI business, HoneyComb - Object tracking drones and SW, Professtama - sales of satellite systems)
- Major Customers: National Research Institute and Satellite Information Utilization Agency

Participation purpose of the IAC

Established in 2012, InSpace.Co.,Ltd has expertise in the field of aerospace and has been carrying out business based on satellite ground station construction and satellite application development technology.

International Space Congress(IAC) has the advantage of acquiring overseas advanced technology and promoting the products of InSpace.Co.,Ltd. We will participate in IAC to securing overseas buyers and creating new product market.

MEMO

