KOREA AEROSPACE INDUSTRY 2016-2017

Korea Aerospace Industries Association

Contents

Activities of KAIA

KAIA places the main focus of its activities on the expansion and evolution of the Korea aerospace industry. A brief outline of these activities is as follows.

Aerospace Industrial Policies Promotion

- Request and recommend to the government on aerospace budget
- Propose the promotion action plan of aerospace industry to the government

Aerospace Industrial Foundation Build-up and Maintenance

- Investigation of domestic and overseas aerospace industries movement
- Research and Development (R&D) of future aerospace technologies
  - Deliver R&D through public subsidies
  - Commission research contracts to related industries

Relationship with Overseas Aerospace Industries and Associations

- Interact with overseas aerospace industries and associations
  - Major associations: AIA(USA), SJAC (Japan), ADS(UK), GIFAS(France) and BDLI(Germany)
- Support arrangements for KAIA members to participate in international events

Organizer of Seoul ADEX (Seoul Int'l Aerospace & Defense Exhibition)

- Hold the Seoul ADEX(previous named 'Seoul Airshow') which is held every two years in Korea to promote of Korea aerospace and defense industries and offer the aerospace business opportunities in Asia-Pacific region.
- Seoul ADEX is the only and largest exhibition covering aerospace & defense industries in Korea.

Overseas Promotion

- In order to promote the Korea aerospace industries and its membership companies, KAIA has participated in oversea's airshows such as Paris Airshow, Farnborough Airshow, Singapore Airshow, ILA Berlin Airshow and Airshow China.
- KAIA, in cooperation with KOTRA(or Korean government), organize the Korea Pavilion in major exhibitions.

Survey of Aerospace Statistics, Facts and Figures

- Survey domestic and overseas aerospace industry production and export information
- Publish sales, production and export data for KAIA members

Liaise with Related Organizations

- Liaise and coordinate with related government authorities
- Contact and cooperate with universities, research institutes and other organizations

KAIA Gyeongnam(Sacheon-si) Branch

- Aerospace Industry Specialized Complex support project
  - construction of aircraft parts surface treatment facility
  - common tests and evaluate equipment set up project
  - build an aviation distribution center & system
  - Aerospace specialized workforce education
  - Aircraft parts R&D project for small and midium-sized enterprises

LCH Program Office

- Manage of LCH(Light Civil Helicopter) program performance
- Program coordination between involved companies and government
- Helicopter parts R&D program supporting

KAQG(Korea Aerospace Quality Group) secretariate

- Improvement global competitiveness for productivity and quality in domestic aerospace industry
- KS9100, 9101, 9104-1/2/3 standards publication
- Provision related-services for KAQG membership companies

Public Relations and Publication

- Disclose media interviews and presentation data
- Publication of the magazine “Korea Aerospace Industry” and “Statistical Yearbook”
- Release a fortnightly “News Letter” and “KAIA Weekly” for the latest issues

Education for the high skilled manpower in aerospace industries

- Operate free education and training programs for incumbent employees
- Provide training programs for AS9100 Internal Auditor and NADCAP
- Identify education needs and develop programs

For further information, please visit the KAIA webpage (www.aerospace.or.kr)

Current Status of Korea Aerospace Industry

Production value in 2015 was 4.9 billion USD, a 12.5% increase compared to the previous year despite the global economic recession mixed with both expectations and uncertainties.

By program, export of commercial aircraft parts to Boeing and Airbus took up approximately 33%, T-50 related aircraft production 31%, KUH(Korean Utility Helicopter, Surion) 12%, aircraft maintenance 7%, engine parts and maintenance 6% and UAVs 3%

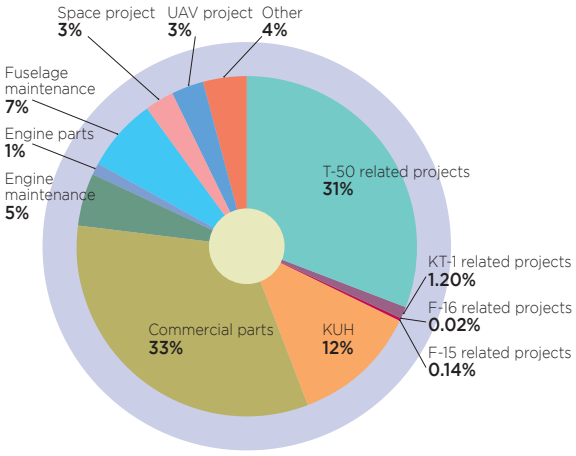
In the military field, existing T-50 and KT-1 related programs will continue to produce results, and other major system development projects have been conducted such as the KF-X project, LAH(Light Armed Helicopter) and LCH(Light Civil Helicopter) joint development program. In the civilian field, Boeing B737/747/767/777/787, Airbus A320/321/330/340/350XWB/380, Bombardier, Embraer and other existing projects and new project are forecast to increase production. Advanced-satellites, KSLV(Korea Space Launch Vehicle)-II, Lunar Expolation and other space-related projects are also conducted to expand its industrial field. (Table 1, Figure 1)

▼ Table 1. Production by Programs

Unit : 1 million USD

Program	2014	2015	2016(forecast)
T-50 related projects	1,064	1,529	1,705
KT-1 related projects	142	62	55
F-16 related projects	44	1	1
F-15 related projects	8	7	5
KUH	526	583	967
Commercial aircraft parts	1,389	1,596	1,762
Engine maintenance	261	239	272
Engine parts	74	54	56
Fuselage maintenance	267	336	383
Space project	128	116	123
UAV project	94	153	192
Other	346	210	208
Total	4,343	4,886	5,729

▼ Figure 1. Production by programs



In export by country, exports to the US (Boeing) took up 36%, while exports to France, UK, and Germany (Airbus) took up 24%. Thus, 60% of exports were to the US and Europe. This is a natural result stemming from the fact that commercial area takes up the majority of Korea's export, and that Boeing and Airbus dominate the global aircraft market. The trend is pointing towards an expansion to global vendors such as Triumph &Vought, Bell, Spirit, KHI. Iraq(T-50), Philippines(FA-50) and Peru(KT-1) are rising in the list of countries for export. (Table 2, Figure 2)

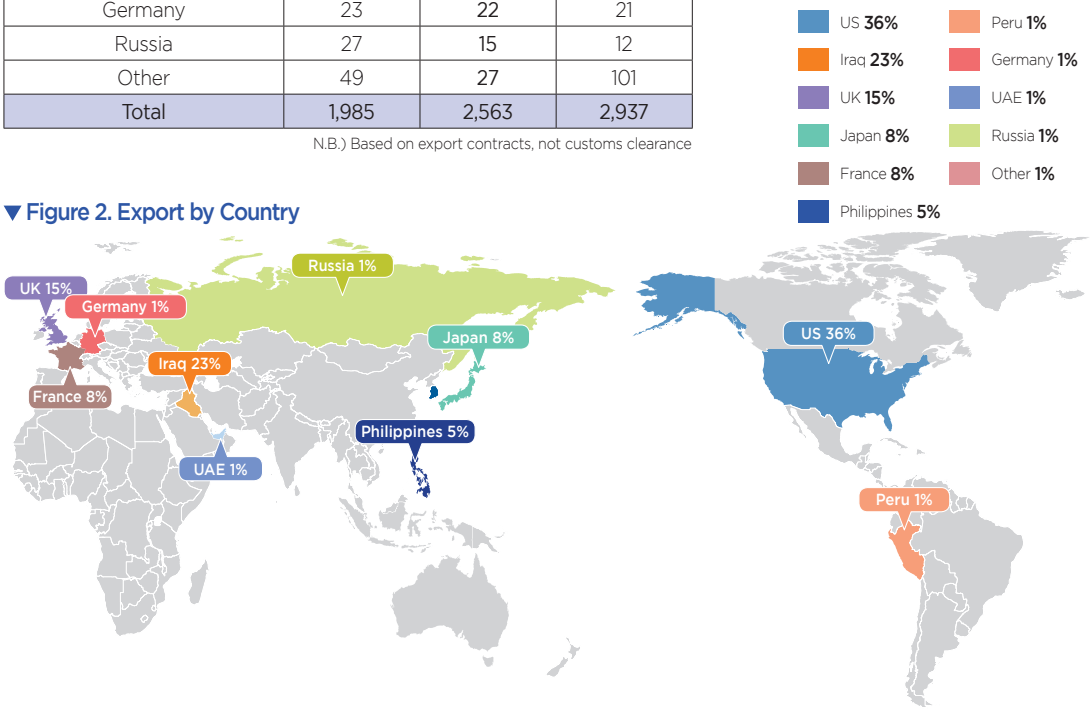
▼ Table 2. Export by Country

Unit : 1 million USD

Country	2014	2015	2016 (forecast)
US	826	918	989
Iraq	136	592	667
UK	218	371	466
Japan	212	207	215
France	310	214	216
Philippines	44	137	191
Peru	117	37	36
UAE	23	23	23
Germany	23	22	21
Russia	27	15	12
Other	49	27	101
Total	1,985	2,563	2,937

N.B.) Based on export contracts, not customs clearance

▼ Figure 2. Export by Country



In domestic production by demand, dependence on military demand was 59% and commercial sector occupied 41%. This ratio is still far from that of the global market(military 20 : commercial 80). In order to increase production for the commercial sector, the commercial export must be increased with civil aircraft MRO & RSP. (Table 3, Figure 3)

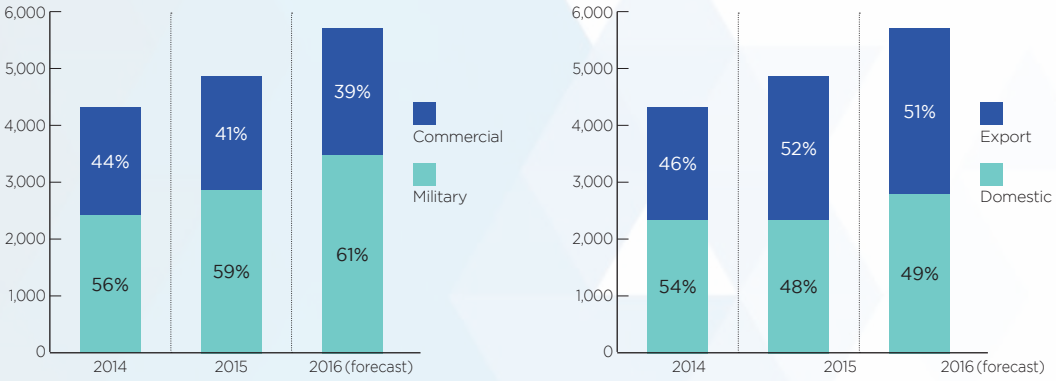
▼ Table 3. Production by Demand

Unit : 1 million USD

	2014			2015			2016 (forecast)		
Demand	Domestic	Export	Total	Domestic	Export	Total	Domestic	Export	Total
Military	1,981	467	2,448	1,977	901	2,878	2,388	1,093	3,481
Commercial	377	1,518	1,895	346	1,662	2,008	404	1,844	2,248
Total	2,358	1,985	4,343	2,323	2,563	4,886	2,792	2,937	5,729

Performance in the space sector was low. In order to foster the space industries, the Korean government announced the "Mid-to-Long Term Space Development Plan" in 2013
This plan has meaningful and detailed space development schedules. In accordance with the plan, Korean government and companies push ahead main projects such as the advanced satellites, KSLV(Korea Space Launch Vehicle)-II, lunar exploration, utilization of satellite images and navigation(SBAS). These programs will provide sufficient basis for the Korean space industry to secure commercial value.

▼ Figure 3. Military/Commercial and Domestic/Export Ratio



The amount in orders in 2015 was 11 billion USD, an increase by 17% from the previous year, while backlogs reached 22 billion USD. The key contributing factors were not only the increase in orders for civilian aircraft parts but also the increase in production and sales of the T-50, FA-50 and KUH which lead to the overall increase. (Table 4)
In 2016, the amount in orders are expected to reach a whooping 8.3 billion USD due to the large production volumes and additional export in the military sector and additional large-volume orders in the commercial sector.

▼ Table 4. Order/ Delivery/ Backlog Status

Unit : 1 million USD

Category	2014	**2015**	2016 (forecast)
Order	4,475	**11,139**	8,325
Delivery	4,343	**4,886**	5,729
Backlog	16,048	**22,301**	24,897

Trade deficit, which had continued to fall after being maintained for a long period at around 2 billion USD since the 1990s, increased to record 3.3 billion USD in 2011, then decreased until 2013 and increase again from 2014. This is a result of the increase in purchase of civil transportation aircraft. In spite of increasing export of parts to Boeing, Airbus and T-50, FA-50 military aircraft can not narrow the trade deficit compared to the

previous year. In particular, the two major airlines and LCCs(Low Cost Carrier) have increased their purchase of aircraft compared to the previous year, and this level is expected to decrease slightly in 2016. On the other hand, domestic aircraft industry is expected to pick up speed due to the export of T-50, FA-50 and internationally co-developed parts, so although the trade deficit might fluctuate with the economic situation, it is not expected to increase. (Table 5)

▼ Table 5. Export and Import

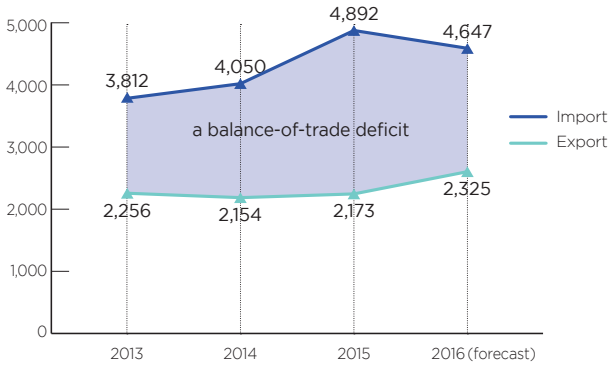
Unit : 1 million USD

Program		2014			2015			2016 (forecast)		
		Export	Import	Trade Balance	Export	Import	Trade Balance	Export	Import	Trade Balance
Aircraft	Finished	198	2,347	-2,149	183	3,055	-2,872	189	2,750	-2,561
	Parts	1,837	1,609	228	1,952	1,749	203	2,097	1,803	294
Space parts		119	94	25	38	88	-50	39	94	-55
Total		2,154	4,050	-1,896	2,173	4,892	-2,719	2,325	4,647	-2,322

N.B.) Based on customs clearance, not contracts (MTI)

The number of people working in the aerospace industry in 2015 was 13,208 a small increase from the previous year. The 10,000 person level is being maintained since 2010. Increase in deliveries overseas and increase in export of finished products are expected to push the number to 13,977 by 2016. (Table 6)

Unit : 1 million USD



▼ Table 6. Employment

Unit : No. of people

	Field	2014	2015	2016 (forecast)
Aircraft	General management	2,062	2,402	2,613
	R&D	2,309	2,747	3,122
	Technician	3,570	3,322	3,322
	Other (production)	3,954	4,326	4,492
Subtotal		11,895	12,797	13,549
Space	General management	84	63	60
	R&D	351	312	331
	Technician	68	19	20
	Other (production)	9	17	17
Subtotal		512	411	428
Total		12,407	13,208	13,977

N.B. 1) Commercial aircraft maintenance (flight maintenance for Korean Air, Asiana) workforce excluded
N.B. 2) State-run research institutes researchers excluded

Aircraft Programs

The emergence of the Korea aircraft industry is highlighted by the start of overhaul maintenance of the L-19 reconnaissance aircraft in 1955 and maintenance of the C-130 transport/military aircraft until the early 1970s.

However, since the mid 1970s, Korea began production of compact helicopters under license from Hughes Aircraft. In 1978, the government enacted the Aircraft Industry Promotion Act to promote and support the development of the aircraft industry, and established the institutional basis such as systems for providing subsidies to attract investment from foreign aircraft companies. In the 1980s, Korea sought joint production of Northrop's F-5 E/F fighter aircraft and since the mid 1980s produced parts for commercial aircraft manufacturers such as Boeing. Since 1990, Korean Air produced UH-60P(Blackhawk) helicopters under license from Sikorsky Aircraft and supplied them to the Korea military forces. Since 1995, Samsung Aerospace(merged with KAI) produced KF-16 fighters under license from Lockheed Martin and delivered them to the ROKAF.

Aircraft production in Korea continued to grow until 1988 and then production fell due to the end of Korean Air's 500MD helicopter program in 1989 and delays in the KFP(Korea Fighter Program) and H-X programs as well as temporary gaps in domestic demand. The aircraft industry sought to offset the increase in domestic demand through exports and thus actively engaged in export activities and sales of aircraft to the commercial sector. As a result, exports increased by an annual average of 33.4% from the period of 1988 to 1992. During this period, order value, a leading indicator of exports, also recorded an average annual increase of 26.5%.Later, Korea began development of indigenous aircraft with the ADD's development of the KT-1 trainer and acquired jet plane technology through KAI's development of the T-50 advanced trainer.

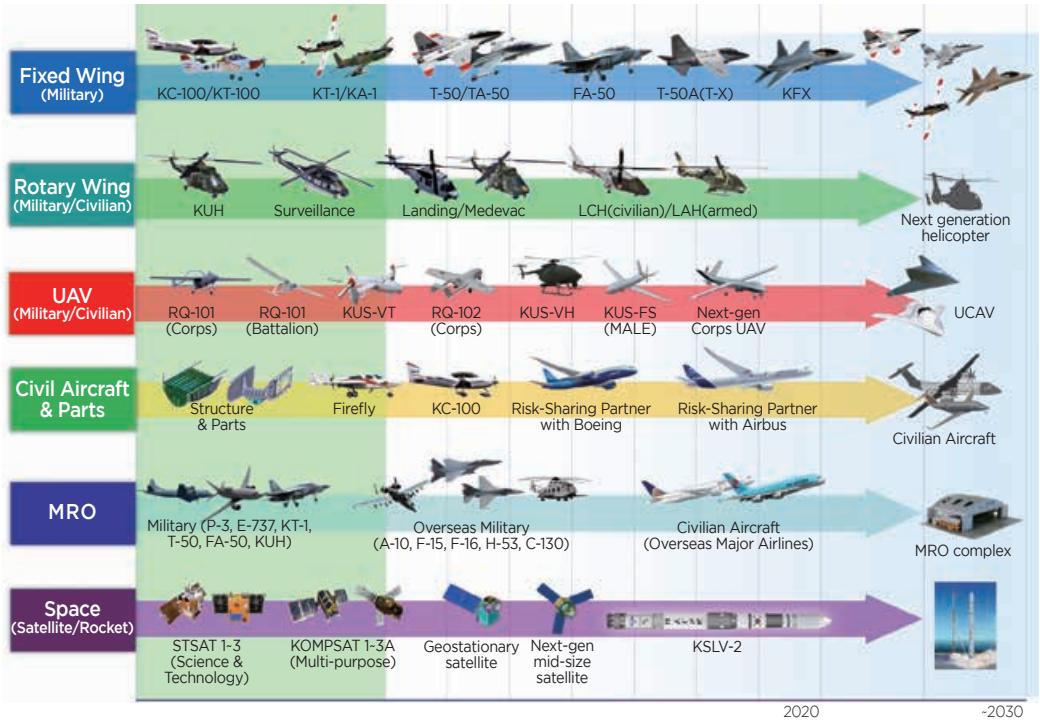
T-50

Recently, Korea's aircraft industry has made significant achievements despite the global economic recession combined with hopes for recovery and uncertainty. The Korean helicopter 'Surion'(KUH), making Korea into the 11th country to develop a helicopter in 2013. T-50, the Korean supersonic jet trainer, was exported to Indonesia in 2011. This 16 T-50 export was first export order making Korea the world's sixth country to export a supersonic aircraft. In 2013, Korea signed the largest export deal in history with Iraq, exporting

24(1.1 billion USD worth) T-50. In addition, Thailand ordered T-50 trainers to replace aging trainer aircraft for its Air Force in 2015. FA-50 is a light combat version of the T-50 and Korea exported 12(420 million USD worth) FA-50s to Philippines in 2014.

Korea's domestic aerospace industry is expected to continue to grow this year. Based on the "Basic Plan for the Development of Aircraft Industry," the blueprint which aims to place Korea among the top 7 global position by 2020, existing projects will follow the growth pattern and new projects will be launched smoothly. In particular, in 2015, the KF-X and LAH/LCH(Light Armed Helicopter, Light Civil Helicopter) projects and other major programs were started its development. In addition, other important national aerospace industry developments such as the T-50A for the purpose of exporting to the U.S. (T-X project), KUH(Surion) based helicopter variant, commercial aircraft parts R&D, next generation middle-class satellite, KOMPSAT-6(multi purpose satellite), KSLV- (Korea Space Launch Vehicle), Lunar Exploration, UAV etc put vital power into Korea aerospace industries. If these projects are successful, Korea's goal of "producing 20 billion dollars and exporting 10 billion dollars to enter the Global 7 tier in aerospace industry by 2020" will soon be reached.

▲ Mid-to-Long Term Roadmap



Aircraft Programs
Fixed Wing

Changgong-91 Aircraft Program

Korean air set out to manufacture lightweight aircraft and acquire system integration technology since the 1980's. Korean Air developed Changgong-91, a five-seat lightweight aircraft in 1992 and became the first Korean company to develop an aircraft in its entirety.

Through the achievement, Korean air has acquired design, analysis, certification, flight test and other abilities. Through the project, Korean air acquired type certification from the Ministry of Construction & Transportation (currently the Ministry of Land Infrastructure & Transport).

Changgong-91

KF-5E/F License Production Program

This program was performed from 1980 to 1986 under license from Northrop, Korean air successfully delivered F-5E/F fighters to the ROKAF and contributed to independent national defense.

Korean air also succeeded in localizing 15% of spare and other parts.

KF-5E/F

Canard Aircraft(The Firefly) Program

The canard configuration is known for its superb stall characteristics and maneuverability, so it is applied to many high performance aircraft. The development of the Firefly is expected to introduce a new design concept and extend the design's capability. The Firefly being developed is a pusher-type four-seat aircraft, whose structure is mainly comprised of composite materials. This aircraft will be cost-effective to manufacture, and easy and safe to fly for training, leisure and sport. The first prototype demonstrator made its maiden flight in 2001 and has successfully flown 43,000km. The Firefly has been exhibited at many airshows including the Oshkosh Air Convention. As a result of upgrades to the Firefly development program, the Firefly became Korea's first exported civilian aircraft in 2006.

KFP-I, KFP-II Program(KF-16)

The Korea Fighter Program(KFP) conducted with the aim of domestic aviation industry growth is a representative war potential strengthening program to acquire main stream air force fighter planes by implementing domestic licensed production through technology adoption instead of importing completed aircraft. The 1st KFP program progressed by instituting 2 sets of KF-16 fighter planes through FMS(Foreign Military Sales) as the first stage for gradually constructing the program management and production system and assembled fighter planes as stage 2 and localized components for aircraft in stage 3. In addition to the 1st KFP program, the 2nd program for additional production was also successfully completed. The 2nd program led to the establishment of the infrastructure for domestic aircraft production and affiliated infrastructures and provided the basic framework of the domestic aviation industry. Through the KFP program, over 4,000 advanced aviation technology personnel were trained, and compared to direct purchasing, 730 million dollars were saved and over 1.5 billion dollars created in gross domestic product in addition to other tangible achievements. As the main contract party for the KFP, KAI, based on its superior technical expertise and complete program management capability completed delivery of the final aircraft for the 1st program to the ROKAF in Apr. 2000 and the 2nd program in Aug. 2004, and through acquisition of high-tech aviation technology and specialists for the T-50 supersonic advanced trainer development/production project, formed the basis for further advancing the domestic aviation industry.

KF-16

Aircraft Programs
Fixed Wing

KT-1 Basic Trainer Program

KAI builds total training systems for basic and advanced jet trainers. The KT-1, the basic training aircraft, was the result of a joint development project between KAI and the Korea's Agency for Defense Development(ADD). The partnership has served the needs of the Korea Air Force and international customers, and has been a cornerstone and motivation to make KAI a leader in military training aircraft and solution provider among aerospace companies.

It has created an all-new training concept to bring smooth transition from primary and intermediate to advance training for today's front-line fighters. The KT-1 is a high performance turbo-prop aircraft enhanced with features that distinguish it from other conventional basic training aircraft. The KT-1 delivers the most effective training solution for multi-mission requirement through the Ground Based Training System(GBTS) which provides a comprehensive training program to provide military student pilots with primary to intermediate and advance pilot training capability, all in one package. By employing the KT-1 straight-through training system, the cost of training a student pilot can be significantly reduced and substantial savings can be realized from the shortening of training time as well as the reduction of training failure rates of student pilots. The KT-1 is a multi-role aircraft designed to gain and maintain superiority in basic training and light attack mission, employing the latest technology to meet the diverse requirements. The KT-1's superiority is achieved through a mixture of excellent aerodynamic characteristics, state-of-the-art avionics suite and subsystem along with weapon delivery capability. KT-1 also exported to Turkey(40 KT-1T) in 2007, Indonesia(17 KT-1B) in 2001, and Peru(20 KT/A-1P) in 2012.

The KA-1, which is light-armed version of KT-1, was jointly developed by ADD and KAI by adding an improved radar and hard points for armaments. An agreement to mass manufacture the KA-1 was made with Korea's DAPA(Defense Acquisition Program Administration), with the first aircraft being deployed to the Korean Air Force in 2005. The KA-1 currently performs forward air control, surveillance and reconnaissance, and light combat roles.

KT-1

KA-1

KT-100

KC-100 Aircraft Program

KC-100 is the first Korean civil aircraft developed by KAI. This small-sized aircraft boasts a 315 horse-power engine and seats four passengers. Its maximum speed is 363 km/hr, and it can travel up to 2,020km. This distance covers a single flight from Seoul to any region in Japan, or some major cities in China, or parts of Southeast Asia. Built with new material carbon composite, the aircraft is light, and it has been mounted with state-of-the-art engine power control mechanism which improves fuel-efficiency. Also, its LCD integrated glass cockpit provides excellent efficiency in piloting, and the ergonomic interior provides a comfortable ride for both pilot and passenger. The KC-100 is expected to be used for various purposes including transportation, pilot training, forest fire surveillance, and seacoast patrol.

In 2014, Korean government and the U.S. Federal Aviation Administration (FAA) signed to expand the range of Bilateral Aviation Safety Agreement (BASA) for part 23 class, which make Korean-made small airplane can be exported to the US market. This amended BASA will serve as the foundation for exporting Korean-made small airplane to the overseas market and for safety certification.


KC-100

The KT-100, which is a remodeled version of KC-100, was delivered to Korean Air Force for a new training aircraft in 2016. By putting into service of KT-100, All levels of ROK Air Force pilots - from beginner to skilled - can train in a indigenously developed aircraft such as KT-100, KT/KA-1, T/TA-50, FA-50.

Aircraft Programs
Fixed Wing

T-50 Supersonic Advanced Trainer Program

The T-50 is a next-generation fight pilot trainer that incorporates state-of-the-art advanced technologies and avionics. The program was launched in 1997 and the T-50 made its maiden flight in August 2002 and a successful supersonic flight in February 2003. T-50 development was finished after 1,400 flight tests and the 1st production aircraft was delivered to the ROKAF in 2005 after a production contract was signed in 2003. The T-50 is currently in operated by the ROKAF for advanced pilot training and is part of the Total Training System along with Ground Based Training System(GBTS). ROKAF's training analysis revealed that the T-50 to reduce 20% training time, 30% cost, and yield a 40% increase in pilot skill level. KAI is partnering with Lockheed Martin Aeronautics Company for joint marketing of the T-50 and the two companies are marketing the aircraft together to potential international customers. The T-50 is considered as the most advanced supersonic trainer: With its fighter-like system and performance and the latest GBTS, T-50 is an optimum platform for next generation fighter pilot training. With the first export of 16 T-50 to Indonesia, Korea has become the sixth country in the world to export supersonic aircraft. In 2013, Korea signed the largest export deal in history with Iraq, exporting 24(1.1 billion USD worth) T-50. In addition, Thailand ordered T-50 trainers to replace aging trainer aircraft for its Air Force in 2015. The TA-50 is the Lead-in Fighter Trainer(LIFT) version of the T-50 with a multi-mode radar, swing role capability of intercept and Close Air Support(CAS) and key A/A and A/G weapons. The aircraft also can meet tactical mission requirement as a Light Combat Aircraft(LCA).

Currently, KAI and Lockheed Martin are jointly developing the advanced T-50A, a variant of the T-50 trainer in order to win the U.S. government's 'T-X Project', a project driven by U.S. Air Force for replacement its aging trainer fleets including its air force, fakers and the navy's requirements. In Jun. 2016, Both partnership companies, KAI & Lockheed Martin, succeeded in T-50A's maiden flight which is the first of its kind especially among the T-X candidate aircraft fleet.

T-50B

FA-50 Supersonic Light Combat Aircraft Program

The FA-50 is the LCA version of the TA-50 which made its maiden flight in 2011. The FA-50 has a radar that has been increased in range from the TA-50's over 100km, and has the capability to deliver precision guided bombs, engage in defensive maneuvers, and perform night time missions. In 2014, 420 million dollars worth of 12 FA-50s were exported to the Philippines.

FA-50

KF-X Program

KF-X aims to replace ROK Air Force's aging F-4, F-5 fleets by developing suitable fighters for the future battlefield operation concepts. This project will take 10.5 years-development period and 16 billion USD for budget to develop medium-sized fighters indigenously for the ROK Air Force. The Defense Acquisition Program Administration(DAPA) launched the KF-X project in earnest by signing the main agreement with Korea Aerospace Industries(KAI) in 2015. The system development will be completed by the first half of 2026, and the deployment will be started on the second half of 2026. To prevent any vacuum in the air force, the initial mass production will be completed by 2028, and the follow-up mass production will be carried out as planned. This project has been conducted as an international joint research project and developed under the leadership of KAI. In Jan. 2016, KAI signed an agreement on the joint development of KF-X with the Indonesian Department of Defense and PT Dirgantara Indonesia (PTDI), the Indonesian state-run aviation company. Indonesia's investment will amount to 20% of the Korean fighter system development funds, and it will receive a prototype and various technical data.

Furthermore, the Agency for Defense Development(ADD) plans to possess independent performance improvement abilities for major equipment, such as the development of the Active Electronically Scanned Array(AESA) radar and system integration. Hanwha Thales signed with ADD for AESA radar development In April 2016. Hanwha Thales plans to produce a model of the AESA and that this will be used in operational tests with the ADD. Recently, General Electric(GE) was selected as the preferred bidder to supply engines for KF-X fighter jets in May 2016. GE's F414-GE-400 engine will be amounted on KF-X fighters.

The KF-X Project's system development has twofold goals. One is to independently fill the demand for the air fighting power of the Korean Air Force starting in 2020 by developing a Korean fighter with a medium level performance. The other goal is to advance to the international market for fighters of the same class.

KF-X

Aircraft Programs
Rotary Wing

500MD Helicopter License Production Program

Korean Air manufactured the 500MD from 1976 to 1988 by license. It has significance as the first aircraft production project in Korea. Through the project, Korean air acquired the manufacturing technologies for helicopters including the main rotor blade and localized 42% of the parts. Also, Korean air produced 80 items of stock parts to support military supplies, and exported 502 body assemblies to the USA. Korean Air and Huges also jointly performed a project to upgrade 500MD helicopters in 1987. This program greatly enhanced the 500MD's performance by increasing engine power, upgrading the main rotor, mounting the latest navigator, communicator, radar warning system and adopting all-weather armament system. Korean air acquired the technologies for systems integration and functional test abilities through this program.

500MD

UH-60 Helicopter License Production Program

The UH-60 manufacturing program was carried out from 1990 for 10 years to achieve independent national defense according to the government's plan to reinforce combat strength. Through this program, airframe and engine parts were manufactured and various components were successfully localized by means of organizing subcontractors. The program also contributed greatly to the foundation of the domestic aviation industry and acquisition of aircraft developing technologies. Korean air secured manufacturing technologies for sheet metal, machining, bonding, plumbing by localizing manufacturing technologies and acquired engine production/test technologies. In addition, Korean air achieved a localization ratio up to 52% and successfully performed the AIP(Avionics Improvement Program) for Army, Navy, Air Force special mission support.

UH-60

SB427 Helicopter Program

The SB427 is a small multi-purpose helicopter launched for joint development in 1996 by KAI and Bell Helicopter of U.S. and FAA certified in 1999. This utility helicopter is the first aircraft to be issued the type certification by the Korean Ministry of Land, Transport and Maritime Affairs(currently the Ministry of Land Infrastructure & Transport). Its development marks the advance of the Korea's aviation industry. KAI acquired sales rights for not only the Korean market but also the Chinese market as well as Asian OEM rights in 2000. It exported the first SB427 to a Chinese client thereby achieving Korea's aspiration to join the ranks of helicopter exporting nations.

SB427

BO-105 License Production Program

BO-105 License Production Program is to develop and produce small reconnaissance helicopters that can execute missions such as patrol, search, route exploitation and combat in both day and night under unfavorable weather conditions by mounting armament and electronic equipment suitable for Korean battlefields. In 1997, KAI signed with Korean government for small reconnaissance helicopter development and production based on technical importation from Eurocopter. After two years, KAI completed development and delivered its prototype to the Korean Army in 2000.

BO-105

KHP Program

The KHP(Korean Helicopter Program) is a program to develop a utility helicopter suited for Korea's operational environment and to replace the ROK Army's aging fleet of 500MD and UH-1H helicopters. This indigenous development program began in June 2006 and aims for the completion by 2012. The KUH was state-sponsored by the Defense Acquisition Program Administration(DAPA) and Ministry of Knowledge Economy(currently the Ministry of Trade, Industry and Energy) costing around 1.1 billion USD. It was the biggest helicopter development project and the program lead by KAI, ADD(Agency for Defense Development), and KARI(Korea Aerospace Research Institute) and participated by 98 Korean vendors, 49 overseas companies, and 28 academic/research institutes.

KUH

Through dedicated development and strict test flights, The KUH(Surion) officially completed its development in 2013, making South Korea the 11th country in the world to develop helicopters. KAI developed variant series from KUH for police, marine landing, medevac purposes. Police helicopter acquired the Safety Of Flight Certificate and was delivered in 2013. The landing helicopter for marines was completed its development in Jan. 2016 and ROK Marine will introduce 20 landing helicopters by 2023. Meanwhile, Medevac version was succeeded its maiden flight and will to be completed its development by the end of 2016. In addition, KAI is going to develop the maritime operations, forest observation & multirole cargo, fire fighter helicopter to expand its aircraft industry infrastructure. In June 2016, KAI and Airbus Helicopter decided to jointly develop the Surion(KUH) maritime operations version aiming to export 60-90 maritime operations.

KUH for marine landing

KUH for medevac

LCH/LAH Program

LCH/LAH is a joint project with the Ministry of Trade, Industry and Energy (MOTIE) and Defense Acquisition Program Administration (DAPA) to develop a 10,000 lb light armed helicopter(LAH) and light civil helicopter(LCH) with a 3.6 billion USD budget by 2020. LCH is expected to be used for various missions, including emergency medical services, coastal surveillance, and passenger transportation.

LAH is intended to replace the ROK force's aging attack helicopter fleets. The Korean Government selected KAI as the LAH/LCH project developer in 2014. Whereafter, KAI and Airbus Helicopters signed an agreement to jointly develop the LCH/LAH in 2015.

Both companies have maintained a strategic partnership over the last 10 years as the European firm has joined KAI's projects from the KUH development.

LCH

LAH

Aircraft Programs
UAV

The UAV(Unmanned Aerial Vehicle) is an unmaned aircraft remotely controlled on the ground which performs the missions autonomously or via pre-programmed flight plan. Generally, the UAV has been utilized for tactical surveillance/ reconnaissance, special purposes such as target search and tracking, command & control relay, and electronic warfare and combat in the military area. The UAV is also expanding its application in the commercial area, performing duties such as remote observation, homeland security, communication relay, weather data acquisition and cartography. The Night Intruder 300(RQ-101) manufactured by KAI is Korea's first domestic UAV for reconnaissance use. The development program was completed in 2000 with KAI as the main contractor for Korea government. KAI secured the core technologies for design, manufacturing and flight test control through developing and producing RQ-101, and operating support and performance improvement projects. Also, through its preliminary research and development, KAI is accumulating development technology for various UAVs development such as next generation corps level/division level UAV, smart UAV, fuel cell powered UAV, low-cost smart UAV, Bandi OPV, UCAV(Unmanned Combat Aerial Vehicle) and S/W solution & test bed for UAV.

RQ-101 and Launcher

Korean Air also has been developing close-range UAVs. In 2007, KUS-7 development program had been successfully completed. And now, based on the experience, Korean Air leads UAV industry with a full line-up of various UAVs from high-tech stealthy UCAV, MALE(Medium Altitude Long Endurance) UAV and to unmanned rotorcraft.

RQ-102(KUS-FT) is the multi purpose tactical UAV assuring optimal operability in rough & mountainous terrain. RQ-102(KUS-FT) can take-off from a launcher or runway making it possible to use it in narrow regions. The landing components can be replaced with either wheel type or skid type, and during emergency, a parachute can be launched for landing. After landing, it can be retrieved through nets. Korean Air and the Defense Acquisition Program Administration signed an agreement on

RQ-102

the mass production of the RQ-102, which will be deployed for division reconnaissance missions. The RQ-102 was developed in November 2014 after four years of research, received the determination of its battle eligibility after an operation test in 2015, and obtained the 1st UAV Airworthiness Type Certificate in Korea(Oct. 2014). RQ-102(KUS-FS) is going to be delivered to ROK Army as divisional-level UAV from 2016 to 2020.

KUS-VT

In 2011, Korean Air developed the world's second tilt-rotor KUS-TR(currently KUS-VT), began to co-develop with KARI. The KUS-VT takes off like a rotary aircraft and flies like a fixed wing aircraft with VTOL(vertical takeoff and landing) capability. Korean Air is preparing to venture into the global market for both civilian and military customers.

Korean Air is also developing the KUS-FS which is high-performance Strategic MALE UAV and the KUS-VH, unmaned 500MD helicopter project, in cooperation with the Boeing. With these expertise in development of UAVs, Korean Air is expanding its business field to next generation stealthy UCAV, KUS-FC, for various future customers.

In addition to this, Korea has many UAV companies such as Firstec, Hankuk Carbon, Hanwha Techwin, Uconsystem, Sungwoo Engineering etc. Especially, Uconsystem has focused on the UAV business since establishment. For integrated surveillance reconnaissance system, Uconsystem have developed and produced various UAVs such as RemoEye series, Remocopter, T-Roter, RemoH,


RemoEye

Aerostat and GCS, FCC, RTVTS and Simulator. Uconsystem exported ground control stations for UAE in 2004 for the first time in Korea and was selected the battalion class UVA(RemoEye-002B) supplier for Korean Army in 2013.

Currently, Korean UAV suppliers have also focused on the civilian purpose. Remo-Farm, Remo-H (Uconsystem), HAD-10(Hanwha Techwin) are specifically designed for agricultural purpose with auto-flight system.

Korean government has decided to induce the initial market formation by carrying out public pilot projects in monitoring, delivery, and relief areas starting in 2016, including the inspection of energy facilities (such as power and gas) and drone-based,post office door-to-door delivery. Furthermore, to institutionally support the creation of demand, the Korean government plans to prepare standards for specifications and stability and to implement the priority procurement of good products. To build the foundation for the UAV industry, the government will also encourage the establishment of special-purpose corporations to operate UAVs and hold forums to invite investments in these products.

Additionally, the Korean government has designated UAVs test-flight area around Goheung aviation and flight test center(in Goheung, Jeollanam-do province), which will be built in 2017 to support its industry.

Remo-H

Aircraft Programs
Engine and Maintenance Program

Hanwha Techwin(formerly known as Samsung Techwin) is one of the world' premier gas turbine engine and components repair and overhaul companies. Based upon its successful track record, it provides comprehensive repair, overhaul and test services for various types of engines. Hanwha has the technical capability, equipment and expanded manpower to fulfill all of its customers'needs. Hanwha Techwin manufactures major parts for various gas turbine engines, and assembles them into engines under OEM licenses. Hanwha's experience includes manufacturing and production assembly of the F100, F110, F404, T700, T700-701K, LM500, LM2500, PPU, K-77 APU and HUH APU gas turbines. Engines for the ROK government and other customers. In 2004, Hanwha began manufacturing and assembly production of the F404 and F110 engine for the ROK Air Force as well. As a sole source of engines for GE, Hanwha manufactures the LM2500 LMT(Low Pressure Turbine) modules and supplies them to GE. Since 1984, Hanwha has successfully supplied engine components to other OEM manufacturers. Hanwha has knowledge of the entire engine as well as its components. The combination of its manufacturing technology and MRO technology enables it to provide in-depth repair services, as well as one-stop services to customers.

It has been selected as the best supplier by its customers for its excellent performance in terms of delivery and quality. Furthermore, its parts manufacturing sales volume has enjoyed an annual average increase of over 10%. Hanwha started out in parts manufacturing but is now moving toward becoming an engine module supplier and engineering provider for new aircraft engines. Its accumulated engineering and manufacturing experience will transform the company into a main engine partnership company.

Since beginning the J85, T53 aircraft engine overhaul business in 1980, Hanwha has carried out maintenance, repair and overhaul of over 5,000 domestic and foreign military engines with outstanding results. Building on business experience, the company has expanded its business scope over the years to licensed production of engines for government projects such as the UH-60 helicopter(T-700 engine), the KF-16 fighter aircraft(F100-229 engine), the F-15K aircraft(F110-129 engine) and the KDX-II/KDX-III battleship(LM2500 engine). Hanwha Techwin is currently participating in the GEnx(GE Next Generation) project, GE' project to develop a next-generation aircraft engine. Development of the GEnx engine, which will power the B787 and B747-8, Boeing' next-generation commercial aircraft, is currently being jointly carried under GE' initiative and participation of numerous global companies. Hanwha Techwin has provided to KAI the F404 aircraft jet engines which is mounted on T-50 jet trainer and FA-50 light combat aircraft.

In Dec. 2015, Hanwha Techwin won 3.8 billion USD RSP(Risk, Revenue and Sharing program) contract to supply aircraft engine parts to P&W(Platter and Whitney) until 2061.

Hanwha Techwin also signed with Korea Aerospace Research Institute (KARI) to supply 75 ton-class liquid fuel rocket engines for the state-led Korea Space Launch Vehicle II (KSLV-II).

F404 Engine

Aircraft Programs
Aerostructure Manufacturing and Joint Development Program

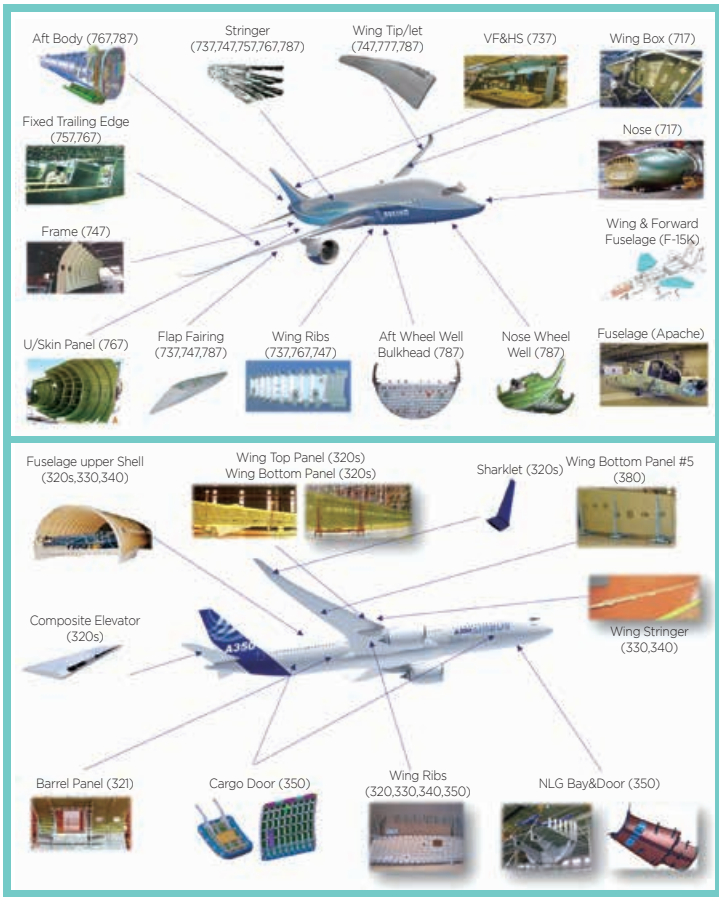
In the beginning of aerospace industry in Korea, many korean companies were started as parts subcontractors for overseas companies. By accumulating technologies through licensed production program and R&D, Korea developed its indigenous aircraft such as T-50 jet trainer, FA-50 light fighter, KT(A)-1, KC-100 and has supply various civil aircraft parts. Now, Korea has participated RSP program and conducted subassemblies of wings, fuselage with global leading companies.

KAI has been manufacturing aerostructures packages for the world's leading aerospace companies such as Boeing, Airbus, Bell, Lockheed Martin and Bombardier by capitalizing on its advanced technology, facilities and human resources. KAI has been producing various fuselage and wing components for commercial airliners including the jumbo jetliners B747 and A380, as well as aerostructures for military aircraft such as A-10(outer wing panel), AH-64(fuselage), C-130(nacelle), F-15(fuselage & wing), F-16(fuselage) and P-8(racked wing tip). KAI has been also supplying the fuselage of Bell helicopter.

In addition, KAI, as a Tier 1 partner of Airbus and Boeing, designs, produces and delivers major aerostructures. In recognition of its quality, punctuality, and customer satisfaction activities, KAI has been selected by Airbus as one of its Top 20 Suppliers, and by Boeing as the Supplier of the Year in 2010 and 2012.

KAI now possesses the infrastructure to produce the main wings of medium and large sized aircraft. In addition to winning the orders for A350 wing structures, A320 wing top panels, and B787 wing and fuselage connection parts, the company won the order for A320 wing bottom panels(WBPs).

Also, KAI signed a major export contract with Boeing, agreeing to supply B737 empennage,



B777 FLE(Fixed Leading Edge), B787 PBH(Pivot Bulkhead) and other major structures until 2024. KAI has expanded its aerostructure business based on cooperation with the world's leading aerospace companies and seeks to grow into an aircraft manufacturer of its own right.

Korean Air has designed and manufactured wing and fuselage structures for the Boeing 737/747/767/777/787, Airbus 320/330/340/350/380 since 1980s. It is now the partner of global aircraft manufacturers such as Boeing and Airbus, participating in the development of next generation aircraft such as the B787(Aft Body, After Wheel Well Bulkhead, Flap Support Fairing, Nose Wheel Well, Raked Wing Tip, Stringers) and A350XWB cargo door(AFT Cargo Door, Bulk Cargo Door, FWD Cargo Door). Especially it has modernized and automated the manufacturing process for composite material through introduction of high-end equipment and facilities. Also, using its indigenous technology, Korean Air developed the Airbus A320 Sharklet/ A330 NEO Sharklet, the Boeing 737 MAX Winglet and Embraer ERJ 170/190 Fuselage. Korean Air has been recognized for its excellence in aerospace technology from its overseas partners including Airbus, Boeing, Spirit, Triumph, Latecoere, Fuji Heavy Industries, Kawasaki Heavy Industries.

Moreover, with specialized know-how and optimized facilities, Korean Air is recognized as internationally specialized hub for the Avionics & Components maintenance for both commercial and military aircraft. Korean Air is securing its global customers like Boeing, GE Aviation, P&W, Lufthansa Technik, United Airlines, China Airlines/China Cargo Airlines/ China Eastern Airlines, Thai Airways, Uzbekistan Airways.

Recently, Korean small and medium-sized businesses such as ASTK, Hize Aero, SAMCO have rapidly exported aerostructure to overseas aerospace leading companies. Thanks to the accumulated technology, timely delivery and quality management, Korean SMEs are expected to secure more orders and cooperations from global market.

737 MAX AT Winglet

Aircraft Programs
MRO, Upgrade & Modification Program

Korea has a complete range of MRO capabilities for both military and civilian aircraft.

In terms of military aircraft, Korean Air performs depot maintenance for A-10, C-130, CN-235, F-4, F-15, F-16, F-406, KC-130, P-3C, P-3C, RC-12 etc and upgrade/ service life extension program for F-15, F-16, A-10, Lynx, UH-60, P-3C etc. It also preforms depot maintenance for helicopters such as Lynx, ALT-III, CH-47/53, UH-60, UH-1, 500MD and others. Their major customers are ROK Air Force/Army/ Nany and U.S. Air Force/Amy/Navy.

In 2012, Korean Air became the first airline company to perform depot maintenance for the KC-130J U.S. Marine Corps aerial refueling contract with the Defense Acquisition Program Administration(DAPA) to upgrade the performance of the P-3C maritime patrol aircraft.

Korean Air also built a cooperative system with Boeing to support depot level maintenance of the F-15K, the Korean Air Force's main force fighter.

Korean Air will provide better MRO services for military aircraft with know-how acquired in commercial aircraft support and the introduction of the 'Performance Based Logistics' maintenance system.

Korean Air also performs heavy maintenance for over 120 commercial aircraft per year with a thousand experts in all areas of aircraft maintenance and facilities including a 3-bay hangar, an environment friendly paint hangar and engine run-up facility. It performs In-Fight Entertainment System modification and cabin upgrades for Boeing the 747-400 and 777s, and passenger-to-freighter conversion of Boeing 747-400s. The paint hangar, an advanced technology facility equipped with automatic ventilation systems and paint sludge and swage filtering systems, performs full painting of over 40 aircraft a year.

For United Airlines, it has been providing heavy maintenance services, IFE modification and full painting services. It also supplies high-quality maintenance service to many other international airline customers such as Grand Star, GECAS, Korean Air, Southern Air, Uzbekistan Airways, World Air etc. Korean Air is now growing into an international MRO service provider in the global marketplace.

The E-737 Airborne Early Warning and Control (AEW&C) was delivered to the Republic of ROK Air Force to improve the Air Force's airborne surveillance and communications system, and battle management capability. ROK Air Force mounted the Boeing B737 commercial aircraft with MESA Antenna, and communications/navigation mission systems to augment ROKAF airborne control capabilities. In addition, KAI is focusing its full capacity in its long

term core business strategies which are upgrade and modification programs for fixed-wing and rotary-wing aircraft such as the LYNX upgrade modification project and the FLIR mounting renovation project. KAI is a comprehensive aircraft manufacturing company that develops and produces aircraft and performs MRO projects which call for high-technology and quality management capabilities. In particular, the advanced maintenance program Performance Based Logistics(PBL) system will ensure the safe operational maintenance of the KAI-produced aircraft during its life-cycle.

E737 MRO

Korea has two major airlines(Korean Air, Asian Airlines) and five Low-cost carriers(LCC). Despite the rapid growth of air lines, MRO facilities in Korea can not meet their demands. For that reason, domestic LCCs depend on overseas foreign MRO shops by spending more money and times. To meet the growing domestic and overseas MRO demands, the Korean government is pushing ahead with the plan to build a MRO complex. The government expects, after the MRO complex build up in Korea, it would reduce not only cost and lots of time but enhance safety of aircraft operation.

Aircraft Programs
Domestic Airline Fleets

According to the Ministry of Land, Infrastructure and Transport (MOLIT), the number of registered domestic airlines' aircraft had been steadily growing in Korea and reached 327 in 2015. The total number of registered civil aircraft in Korea is 724 and domestic airlines account for 45.2% (327) among them last year.

Korean airline companies, including low-cost carriers (LCCs) and large airlines, such as Korean Air and Asiana Airlines, are purchasing aircraft. The LCCs intend to expand their size and profitability through new routes, while the large airlines intend to increase their profitability by converting their fleet to state-of-the-art aircraft. The Korean LCCs brought in a total of 36 aircraft in 2014 and 2015. Jeju Air introduced six new aircraft in 2015 and plans to operate 40 aircraft by 2020. Jin Air, the first domestic LCC to operate a long-distance route (Incheon–Hawaii), introduced six aircraft. Eastar Jet and Tway Air introduced three new aircraft, respectively. The Busan-based LCC, Air Busan, purchased two aircraft.

The major airlines, Korean Air and Asiana Airlines, are also actively purchasing new aircraft. Korean Air obtained 15 new aircraft in 2015, increasing its fleet to 159, based on the strategy to reduce both transportation costs and pollutants through the introduction of cutting edge aircraft. In April 2015, Korean Air announced that it would introduce a total of 100 next-generation aircraft between 2019 and 2025, including Boeing B737 MAX-8 and Airbus A321neo. Asiana Airlines also introduced four aircraft, increasing its fleet to 84 in 2015.

The increase ratio of civil aircraft has hold 10.5% for these five years and the number of aircraft is expected to exceed 1,000 in 2020.

Category	2014	2015	note
Domestic/Overseas Airlines	299(45.6%)	327(45.2%)	+28
Small transportation Business	23(3.5%)	30(4.1%)	+7
Aircraft use business	158(24.2%)	165(22.8%)	+7
Non-business purpose(incl. Government)	175(26.7%)	202(27.9%)	+27
Total	655(100%)	724(100%)	+69

N.B.) Registered civil aircraft in Korea (MOLIT, 2015)

Space Programs

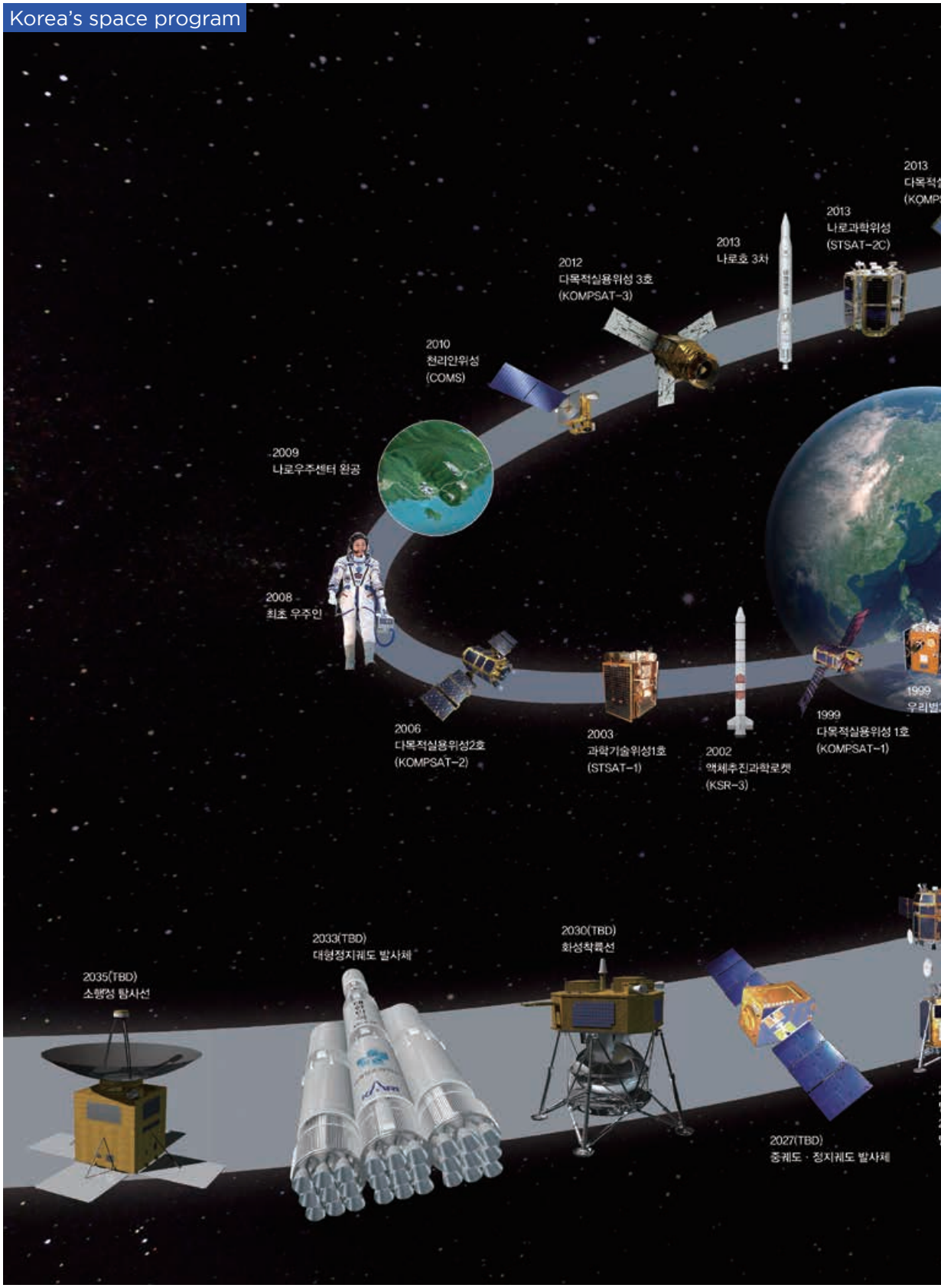
Korea's space program began with its development of the 'KITSAT-1', a small scientific research satellite, in the early 1990s, 30~40 years later than the leading countries considering that the US and Russia began their space programs in the 1950s and Japan and China in the 1960s. Although the Korean space industry's history is not long but Korea invests to the space programs in accordance with its mid-long term development plan. The government is establishing and implementing plans to activate the industry under the goal of cultivating the aerospace industry into the nation's driver of growth in the 21st century.

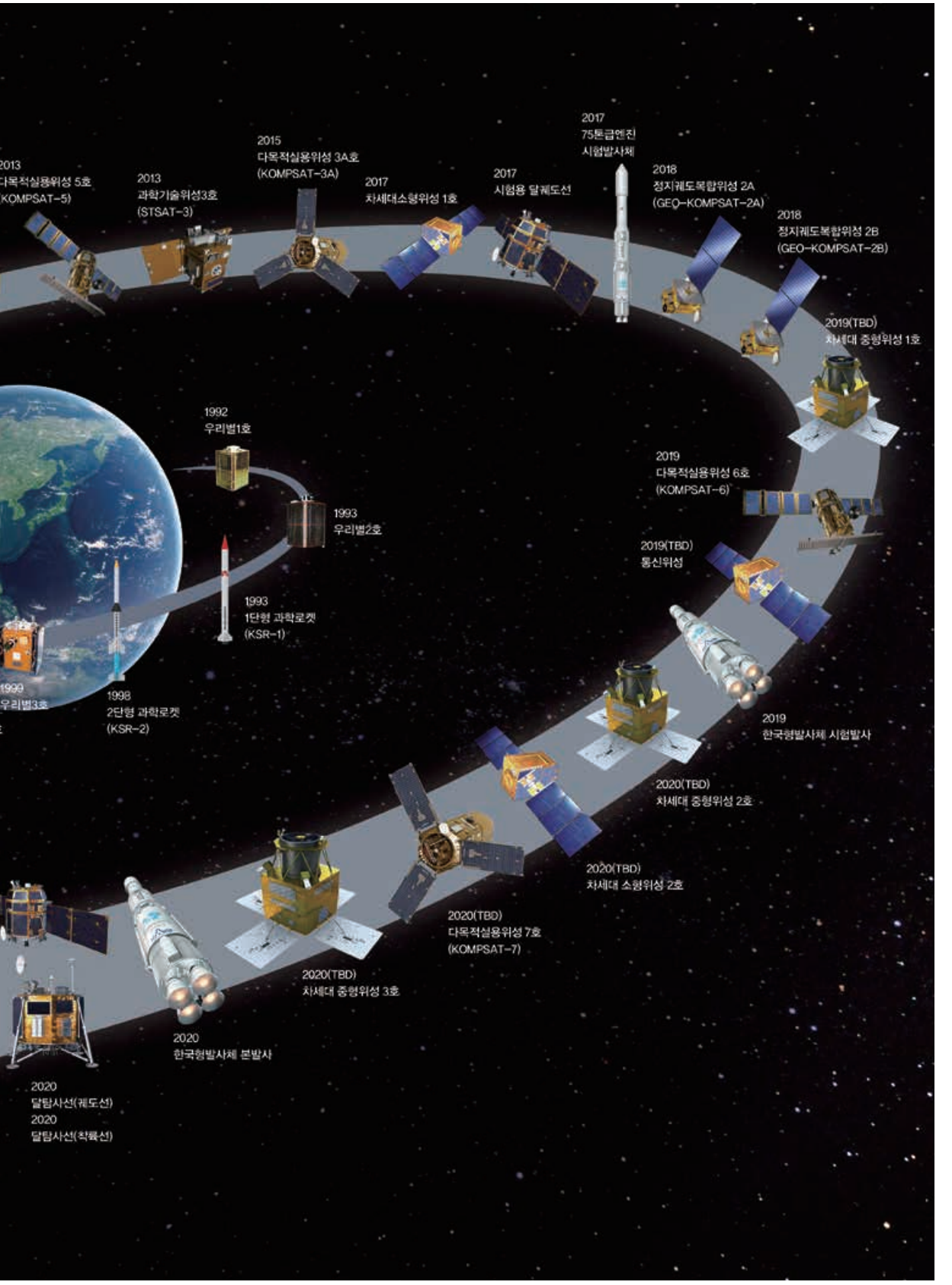
Since developing the 'KITSAT-1' satellite in 1992, Korea has launched 11 satellites into space, through which it acquired a high level of satellite technology. Despite the short history of its space program, Korea's space technology has displayed unprecedented growth, developing the 'KOMPSAT-2'(Korean Muti-Purpose Satellite) to become the world's 7th country to develop a 1m-resolution satellite. In 2009, Korea completed construction of the Naro Space Center and acquired all 3 requirements - satellite, space center, and rocket - for satellite launching through the successful launch of the Naro rocket. However, the Naro rocket was not made entirely from Korean technology. It was built in cooperation with Russia, and the 1st stage rocket was brought in from Russia. The Korean government plans to develop a rocket built entirely with Korean technology by 2020. To achieve this goal, it is currently seeking to attract participation of various industries, which in turn will greatly facilitate the development of the Korean space industry.

In 2012, Korea successfully launched the KOMPSAT-3 satellite, and in 2013, the KSLV-I, KOMPSAT-5 and STSAT-3(Science and Technology Satellite-3). KOMPSAT-3A, mounted with both infra-red camera and electro-optical camera, was developed in relation to KOMPSAT-3 to maximize use of technology, resources, facilities and minimize development risk, cost, and time. The KOMPSAT-3A was successfully launched in 2015. KOMPSAT-3A, a multipurpose satellite, which was the private enterprises-led satellite program for the first time in Korea.

KSLV-I

The Ministry of Science, ICT and Future Planning has the long term space development plan. In addition, the government is scheduled to enter the commercial launch service market by obtaining orders from foreign satellite launching industry on the basis of Korea's launch vehicle, and to develop mid-Earth orbit satellites and geostationary orbit launch vehicles to enlarge the field of space development. By 2020, the ministry plans to launch an indigenously developed lunar ortiter and lunar lander with KSLV-II.


2013
다목적
(KOMP
2013
나로과학위성
(STSAT-2C)
2013
나로호 3차
2012
다목적실용위성 3호
(KOMPSAT-3)
2010
천리안위성
(COMS)
2009
나로우주센터 완공
2008
최초 우주인
2006
다목적실용위성2호
(KOMPSAT-2)
2003
과학기술위성1호
(STSAT-1)
2002
액체추진과학로켓
(KSR-3)
1999
다목적실용위성 1호
(KOMPSAT-1)
1999
우리별
2035(TBD)
소행성 탐사선
2033(TBD)
대형정지궤도 발사체
2030(TBD)
화성착륙선
2027(TBD)
중궤도 · 정지궤도 발사체


2013
다목적실용위성 5호
(KOMPSAT-5)
2013
과학기술위성3호
(STSAT-3)
2015
다목적실용위성 3A호
(KOMPSAT-3A)
2017
차세대소형위성 1호
2017
시험용 달궤도선
2017
75톤급엔진
시험발사체
2018
정지궤도복합위성 2A
(GEO-KOMPSAT-2A)
2018
정지궤도복합위성 2B
(GEO-KOMPSAT-2B)
2019(TBD)
차세대 중형위성 1호
1992
우리별1호
1993
우리별2호
2019
다목적실용위성 6호
(KOMPSAT-6)
2019(TBD)
통신위성
1993
1단형 과학로켓
(KSR-1)
1999
우리별3호
1998
2단형 과학로켓
(KSR-2)
2019
한국형발사체 시험발사
2020(TBD)
차세대 중형위성 2호
2020(TBD)
차세대 소형위성 2호
2020(TBD)
다목적실용위성 7호
(KOMPSAT-7)
2020(TBD)
차세대 중형위성 3호
2020
한국형발사체 본발사
2020
달탐사선(궤도선)
2020
달탐사선(착륙선)

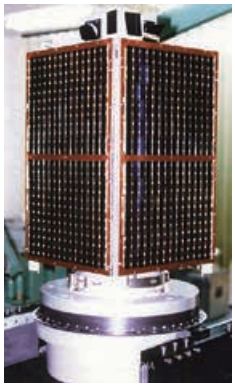
Space Programs
Science and Technology Satellite Program

KITSAT-1

Korea's development of satellites began with the launch of the KAIST Satellite Research Center's KITSAT-1 satellite by an Ariane rocket from the Kourou Space Center in French Guiana on August 11, 1992. The launch of KITSAT-1 enabled Korea to become a satellite-operating country. To cultivate engineers and acquire the basic technology, KAIST received technology from Surrey University and successfully constructed and launched the 42kg KITSAT-1.

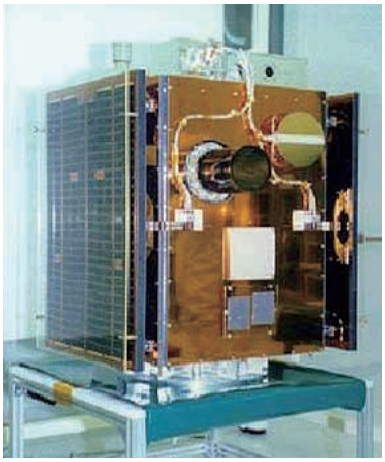
KITSAT-2

Development of KITSAT-2 began in October, 1992, three months after the successful launch of KITSAT-1. KITSAT-2 was jointly developed by Korean researchers and a team of researchers dispatched to Korea from Surrey University and launched on September 26, 1993. Although KITSAT-2 looks similar to KITSAT-1, it differed significantly in the equipment installed. It was equipped with an Earth Imaging System that used domestically produced CCDs, a Low Energy Electron Detector, an Infared Sensor Experiment System, a Digital Store and Forward Communication Experiment System, and a next-generation satellite computer. The satellite was small, weighing approximately 48kg and employed a spin stabilization attitude control system.



KITSAT-3

KITSAT-3 was Korea's indigenously designed and developed satellite based on technology and experience acquired through the development of KITSAT-1 and KITSAT-2. KITSAT-3 is Korea's first satellite since its establishment of a mid-to-long term plan for basic space development in 1996. KITSAT-3
weighed 100kg, more than double the KITSAT-1 and KITSAT-2, and had one solar panel on each side, and employed a 3-axis stabilization system for attitude control. Equipment included ped with a Multi-spectral Earth Imaging System that used high precision CCDs, a High Energy Particle Telescope, an Electron Temperature Probe, and a Scientific Magnetometer. KITSAT-3 was successfully launched in 1999.



STSAT-1

STSAT-1(Science and Technology Satellite-1) was developed for the purpose of astronomical and space environment observation. Payloads included a Far Ultraviolet Imaging Spectrograph, Solid State Telescope, Data Collection System, and Narrow Angle Star Sensor. The main payload, the Far Ultraviolet Imaging Spectrograph, was developed jointly by the KARI and UC Berkeley. In 2003, the Korean Ministry of Science & Technology signed an MOU with NASA on sharing the images obtained through the jointly-developed Far Ultraviolet Imaging Spectrograph. This strengthened the international status of Korea's space program as it marked the US' first participation in a space program initiated by Korea. STSAT-1 was successfully launched in 2003 and ended its operation in 2009.

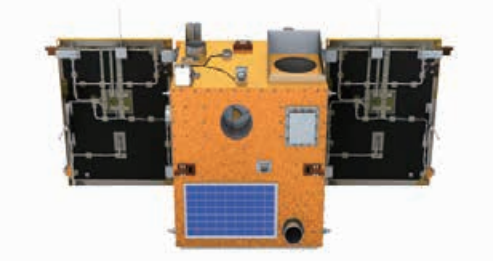
STSAT-2

STSAT-2 is a 100kg class low earth orbit satellite developed from 2002 to 2005. Unlike the geostationary satellites that rotate above the equator on the geostationary orbit(36,000km) one to two times per day and are used for commercial and military purposes, the low-orbit satellite STSAT-2 rotates around 300~1500km above earth almost hourly and is appropriated for weather forecast and geological exploration purposes.

STSAT-2 was to be launched into space on the indigenously developed Naro(KSLV-1) rocket. But it was lost due to the two Naro rocket's explosions, each in 2009 and 2010. Therefore, the earth's atmosphere Observation plans to use STSAT-2 failed, and on January 30, 2013, on the third and last launch of Naro(KSLV-1) rocket, the STSAT-2C was launched instead of the STSAT-2.

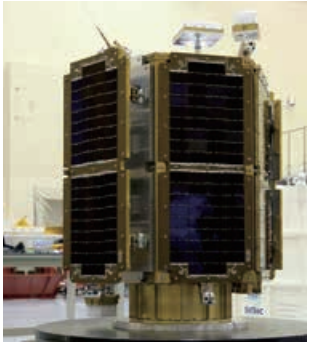
STSAT-3

STSAT-3 is the 6th satellite to be developed at the KAIST Satellite Research Center. STSAT-3 is Korea's first infrared space observation satellite. It was successfully launched in 2013 from Yasny base in Russia. Six hours after it was launched, STSAT-3 passed near South Korean skies and succeeded in making contact with KAIST SaTReC ground station at 10:10 p.m. STSAT-3 is mounted with MIRIS(Multi-purpose IR Imagining system) and COMIS(Compact Imaging System).



STSAT-2C

STSAT-2C is the scienced and technology satellite launched on KSLV-1. The perigee is 300km and the apogee is 1500km. Launched in 2013, it circles Earth every 103 minutes to check if the satellite has entered orbit and to explore space environment. Although it was numbered STSAT-2C, it is different from the previous STSAT-2(STSAT-2A and STSAT-2B) launched on the first and second flights of KSLV-I. STSAT-2C was developed indigenously using Korean technology. It weighs around 100kg and is used for solar storm observation and laser communication.



Space Programs
Korean Multi-purpose Satellite Program

KOMPSAT-1 (Arirang-1)

The mission of Korea's first multipurpose satellite KOMPSAT-1(Arirang-1) was terminated in January 2008 eight years after its launch on Dec. 21, 1999. The KOMPSAT-1(Arirang-1) circled the earth 43,000 times at an altitude of 685 km during its mission and photographed and transmitted around 47,000 satellite images to Korea. Historically, KOMPSAT-1 is regarded as having laid the foundations for Korea's independent satellite technology. Its joint development with a foreign agency began in 1994 when Korea had no experience of developing multipurpose satellites, and the satellite was successfully launched in 1999. The experience presented an opportunity for Korea to accumulate the technology required to be able to develop the body of Arirang 2 independently KOMPSAT-1, 470kg weight satellite with 685km operation orbit, has a 6.6m class resolution electronic optical camera(EOC), an Ocean Scanning Multi-Spectral Imager(OSMI), an Ionosphere Measurement Sensor(IMS) and a High Energy Particle Detector(HEPD).

KOMPSAT-2 (Arirang-2)

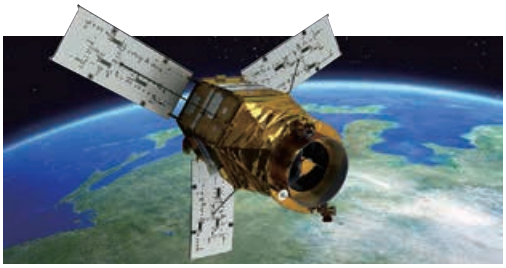
The KOMPSAT-2(Arirang-2) project to develop a highly advanced remote sensing satellite was launched with the technology obtained through the KOMPSAT-1 project. KOMPSAT-2 was successfully launched on July 28, 2006.

The KOMPSAT-2 is an earth observation satellite equipped with an MSC(Multi-Spectral Camera) able to acquire 1 m resolution panchromatic images and 4 m resolution color images. This satellite had sent around 75,400 pictures of Korea and 2.448 million pictures of the world. The import-substitution effect of satellite images is estimated to be around 460 million USD, which is more than twice the cost of developing the satellite. The KOMPSAT-2 gave Korea the opportunity to attain the capability to independently design, fabricate, assemble and test t satellites. In addition, Korea became the seventh country in the world to possess a satellite equipped with a 1m high-resolution MSC.

The KOMPSAT-2(Arirang-2) was converted to a research satellite in October 2015 after successfully carrying out its mission for nine years and will be used in the research and development of next-generation satellite technologies such as orbit change and image quality testing until its life expires due to loss of communication, etc.

KOMPSAT-3 (Arirang-3)

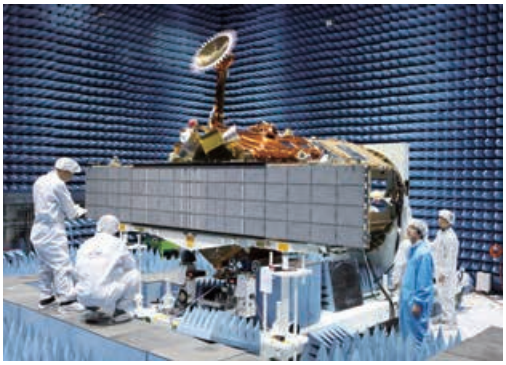
The KOMPSAT-3(Arirang-3), launched in May 2012, is equipped with a sub-meter class EOC for high-resolution earth observation. The satellite body and parts of KOMPSAT-3 were not only developed in Korea but also designed, assembled and tested in Korea. In addition, Korea's first sub-meter class optical payload, with an observation capability of 1m or less resolution, was developed with Korean technology, Korea became the fourth in the world after the US, Europe, and Israel tooperate a 'sub-



meter satellite' capable of distinguishing objects under 1 meter in size. KOMPSAT-3 circles the planet around fifteen times each day in the earth's atmosphere at an altitude of 685 km.

KOMPSAT-5 (Arirang-5)

The KOMPSAT-5(Arirang-5) was developed as an all-weather Earth observation satellite to meet Korea's demands for imaging. It was successfully launched on August 22, 2013. KOMPSAT-5 is equipped with Korea's first SAR(Synthetic Aperture Radar) which synthesizes the particles that are reflected when the microwaves are shot to land to create an image. This overcomes the limits of the previous electro-optical satellites that could not observe during poor weather conditions or even during the nighttime. As the SAR image can be utilized in mutual supplementary operations with the high-resolution optical images of KOMPSAT-3A(Arirang-3A). Arirang 5 observes the Korean Peninsula four times a day. The transmitted image data are used for public safety, natural disaster forecasts, land/resource management and environmental monitoring.



KOMPSAT-3A (Arirang-3A)

The KOMPSAT-3A(Arirang-3A) was made by domestic companies, KAI, KAL, Hanwha, AP Aerospace, Doowon Heavy Industry, and Satrec Initiative in cooperation with the KARI.

KOMPSAT-3A, launched on Mar. 26th 2015, is a low earth observation satellite equipped with a 55cm class high-resolution EOC and Korea's first IR camera. The high-resolution electronic optical camera AEISS-A (Advanced Earth Imaging System-A) developed with Korean technology and mounted on KOMPSAT-3A features 55cm class optical photography, which is the highest resolution among cameras mounted on domestic satellites. The IR camera, which is capable of detecting heat on the ground, is used to observe fire, volcanic activity and urban thermal islands during day and also nighttime. Now, KOMPSAT-3A operates in the sun's synchronous orbit at an altitude of 528km and passes over Korea twice (day and night), photographing the Korean Peninsula for up to 50 minutes each day.

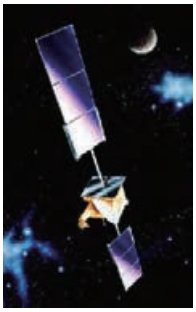
KOMPSAT-6 (Arirang-6)

The KOMPSAT-6(Arirang-6) is scheduled for launch in 2019, the Korea Multi-Purpose Satellite KOMPSAT-6 will be equipped with the SAR developed and manufactured in cooperation with the domestic industry. KOMPSAT-6 will be mounted with an SAR with 0.5m-class resolution, a fourfold improvement compared to the 1m resolution of the first SAR mounted in KOMPSAT-5(Arirang-5).

Space Programs
KOREASAT Program

KOREASAT-1

Based on specifications determined in May 1991, development of the KOREASAT-1 was put to an international bid. A contract was signed in 1990, with GE as the manufacturer of the satellite and McDonnell Douglas' Delta 2 Rocket as the delivery vehicle. KOREASAT-1 was in 1995. The satellite missed its original orbit by 6,000km when one of the nine support rockets failed to properly detach. It successfully entered full orbit by ejecting fuel, but its service life was reduced from the original 10 years to 4 years and 4 months.

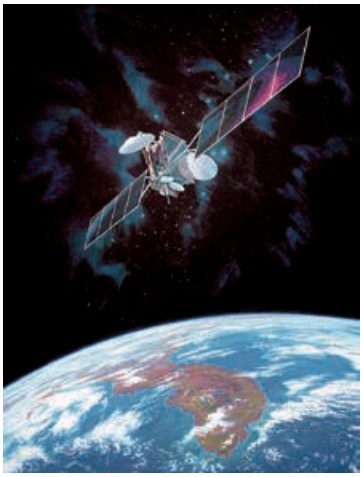


KOREASAT-2

KOREASAT-2 was built as a backup to KOREASAT-1. It compensated for KOREASAT-1's reduction in service life. Its successful launch allowed Korea continued satellite communication services. July 9, 1997 - the objective of the KSR-2 development program was to develop a 2-stage medium-sized scientific rocket that could deliver a payload of 150kg to an altitude of 150km for observation of ion and ozone layers above the Korea Peninsula. The program was led by KARI and conducted from 1993 to 1998 and was successfully launched in 1997, but failed to conduct observations. Later, in 1998, a second launch was successfully carried out, with successful observation of ozone layer distribution and X-rays over the Korea Peninsula.

KOREASAT-3

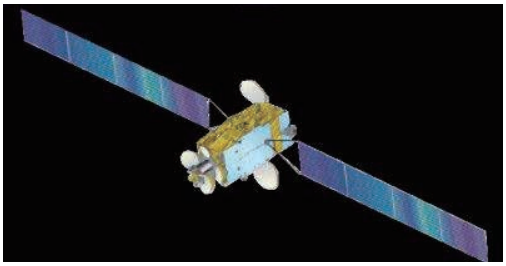
The KOREASAT-3 project was carried out to continue satellite services after the end of KOREASAT-1's service life. KOREASAT-3, which replaced KOREASAT-1 was a large satellite that weighed 2,800kg and reached 19.2m in length. The satellite was built by Lockheed Martin and successfully launched in 1999. KOREASAT-3, unlike KOREASAT-1 and 2, had 4 motion antennas that allowed it to switch service areas from the ground. This enabled it to provide relay services to as far as Southeast Asia. In order to maintain the orbit due to selling KOREASAT-3, KT is scheduled to launch KOREASAT-5A and KOREASAT-7 at the end of the 2016.



KOREASAT-5

KOREASAT-5 was the first satellite to be developed jointly by the military and commercial sectors, and was developed through Alcatel of France and launched in 2006 from international waters near the equator by Sea Launch of the U.S. KOREASAT-5 replaced KOREASAT-3 and was the result of knowhow in satellite operation accumulated over the years. It strengthened the status of Korean commercial satellites by providing a multitude of services including high-speed data communication and video services.

KOREASAT-5 bears significance in the fact that it enabled a wider service area covering the Korea Peninsula, Japan, China, and the Philippines, compared to previous satellites whose service areas were limited to the Korean Peninsula. It directly broadcasts Korean contents to Korea's neighbors and provides internet connection to Korean companies operating in the countries. It is also used in marine and military communication activities which require high-speed data communication. KOREASAT-5 suffered from a solar-array drive mechanism failure used to generate power, and needs to be replaced by another satellite. KT is planning
to launched KOREASAT-5A in 2016 to replace KOREASAT-5.



KOREASAT-6 (Olleh-1)

KOREASAT-6(Olleh-1) is a broadcasting and communications satellite successfully launched by KT on Decemeber 29, 2010. KT, in cooperation with Thales Alenia Space(TAS) of France, launched KOREASAT-6 to provide direct broadcasting and to enable internet services in mountainous and remote regions. KOREASAT-6 is placed in geostationary orbit at an altitude of 36,000km. It is used for SkyLife satellite broadcasting service.

KOREASAT-8

KOREASAT-8 was launched aboard an Ariane 5 launch vehicle by Arianespace in February, 2014 and will be operated its service for 15 years. Koreasat-8 provides multiple services including direct-to-home and cable television distribution, VSAT services, data networks, and telecommunications services across Southeast Asia and the Sub Saharan Africa region.

KOREASAT-5A / KOREASAT-7

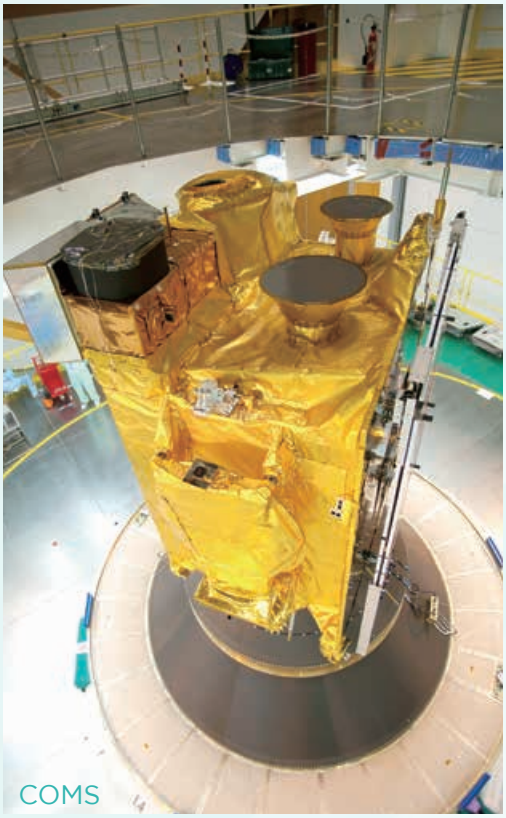
Koreasat-5A will be built based on Spacebus 4000B2 platform and is scheduled to launch in 4 quarter of 2016, as a replacement of Koreasat-5. Koreasat-5A will expand KT SAT's capabilities to provide DTH broadcasting and other communications services in Korea, Japan, Philippines, Guam, Indochina, and South Asia.

Koreasat-7 will be on the upgraded Spacebus 4000B2 platform from Thales Alenia Space. The Satellite will weigh about 3,500kg and also be scheduled for launch in quarter of 2016. Koreasat-7 is designed to provide improved throughput and wider coverage over Korea, Philippines, Indochina, India, and Indonesia. Koreasat-7 enables a full range of video and data applications, government communications and VSAT networks. Through the launch of Koreasat-5A and Koreasat-7, KT SAT expects in earnest to expand its business field from Korea to Asia market.

Space Programs
Communication, Ocean and Meteorological Satellite Program

COMS (Cheollian-1)

Communication, Ocean and Meteorological Satellite, COMS(Cheollian-1), is Korea's first geostationary orbit satellite jointly developed by KARI and French aerospace company Astrium with support from the Ministry of Education, Science and Technology; Ministry of Land, Transport and Maritime Affairs; Korea Meteorological Administration; and the Korea Communications Commission. Development began in 2003, with KARI playing the major role. COMS, which is Korea's first and the world's seventh geostationary orbit satellite, was successfully launched in 2010.



COMS

After completing tests, it began providing weather observation services to the public in 2011.

COMS circles the earth at with a velocity equal to the earth's rotational velocity at the altitude of 36,000km above the equator providing satellite communication and performing ocean and weather observation missions.

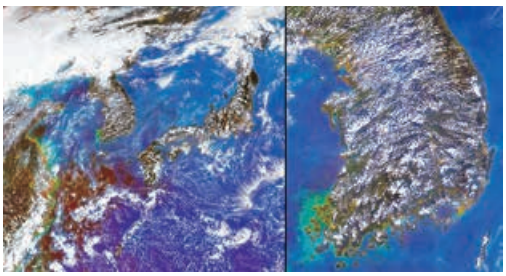
With the successful launch of COMS, Korea has become the seventh country in the world to operate a weather satellite. COMS is expected to contribute to strengthening Korea's weather observation system by providing weather information once every 15 minutes at normal times and once every 8 minutes during emergency periods.

In addition, COMS's sea observation capabilities is expected to contribute to the management of the country's marine territory, by enabling the effective management of marine resources and preservation of the marine environment, while its indigenously developed communications unit is expected to aid the establishment of a next-generation communication system in the country by enabling space certification and public communications services. The development of COMS has contributed greatly to the advancement of Korea's technology in medium sized geostationary satellites, and is expected to become an opportunity for further enhancing the country's satellite technology.

GEO-KOMPSAT-2 (Cheollian-2)

The GEO-KOMPSAT-2(GK-2) satellites will inherit the mission of COMS-1(Cheollian-1) to observe the weather and ocean environment and strengthen the national capability to monitor the environment around the Korean Peninsula. Two satellites will be developed : a weather and space weather observation satellite (GK2A) and ocean and environmental observation satellite (GK2B).

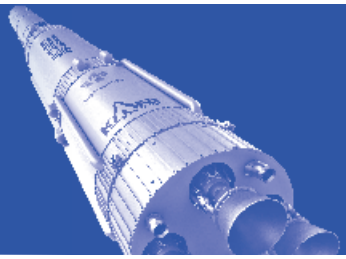
The weather observation capability of GK2A will be more than four times greater than that of COMS, while the observation interval and observation channels will both be improved more than threefold. The satellite is expected to greatly improve the accuracy of precision weather observation and weather forecasting, as well as enhance the capability to monitor and forecast unusual weather conditions in the Korean Peninsula and the Asian region.



The resolution of the ocean observation payload of GK2B, an ocean/environmental observation satellite, is also more than four times that of the COMS satellite. The environmental observation payload will monitor the movement of border-crossing atmospheric pollutants such as fine dust and yellow sand in 7km resolution 8 times a day.

The weather observation satellite GK2A is scheduled for launch in May 2018, to be followed by the ocean/environmental observation satellite GK2B in March 2019.

Space Programs
Launch Vehicle Program



Korea Space Launch Vehicle(KSLV)-I

The Korean National Science and Technology Council issued a plan for a National Space Program which could be an important milestone in the history of science in Korea. The plan addressed the development of new space launch vehicles named Korea Space Launch Vehicle(KSLV). The KSLV program consists of two consecutive low-earth orbit(LEO) launch vehicle developments: the KSLV-I and KSLV-II. The payloads are a 100kg-class satellite for KSLV-I and a 1.5 ton-class satellite for KSLV-II. The KARI has taken responsibility for the KSLV development process, and the KSLV program office in KARI was newly re-organized to include many experienced rocket engineers. KARI already successfully carried out the development of single-staged sounding rockets(Korea Sounding Rocket-I: KSR-I), two-staged sounding rockets(Korea Sounding Rocket-II: KSR-II) and KSR-III. While both KSR-I and KSR-II had a solid propellant rocket engine, KSR-III had a liquid propellant rocket engine, which was Korea's first step in liquid propellant rocket engine development.

KARI built KSLV-I as a space development project of the Ministry of Education and Science Technology(Currently, the Ministry of Science, ICT and Future Planing). KSLV-I project aims to build a space launch vehicle to launch a 100kg-class STSAT into the low-earth orbit with a perigee of 300km and an apogee of 1500km. Through this development project KARI designed, manufactured, tested and launched the launch vehicle and secured orbit insertion technology and launched operation technology. On January 30, 2013 during the third trial, the STSAT-2C was successfully launched on KSLV-I from Naro Space Center in Goheung, and was placed on the lowearth orbit. With this success, South Korea became the world's 11th country to launch a launch vehicle with its own indigenous technology.

KSLV-I

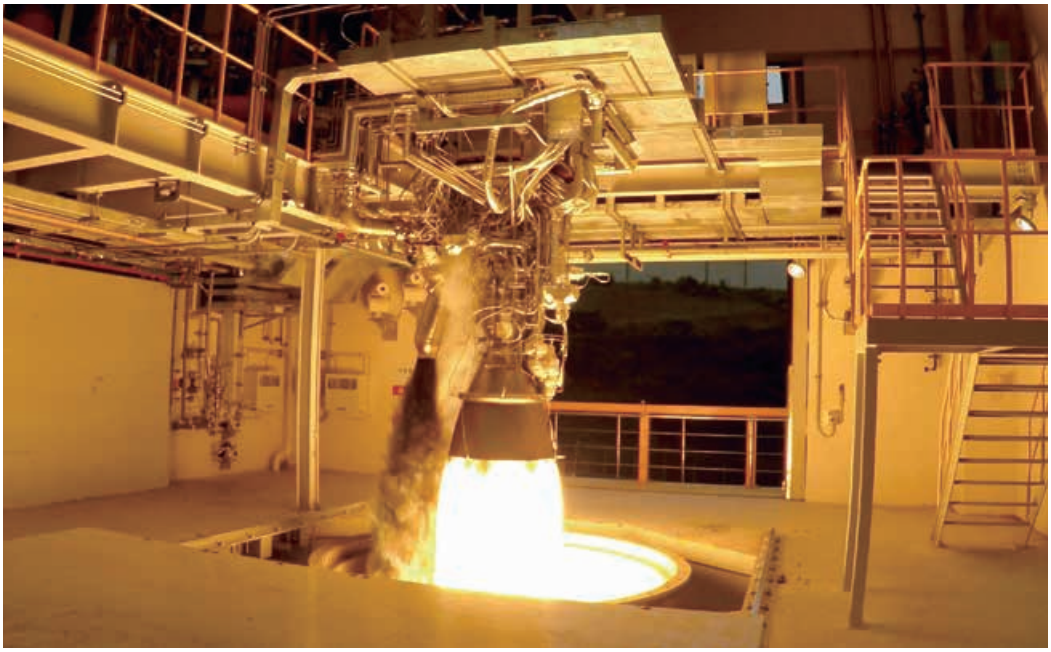
Korea Space Launch Vehicle(KSLV)-II

The Korea Space Launch Vehicle (KSLV-II) program is a national space development project with the budget of 1.7 billion USD over ten years. Its goal is to develop an independent space launch vehicle capable of putting a 1.5 ton multi-purpose satellite into low earth orbit at 600~800km altitude by 2020.

KSLV-II is a 3-stage launch vehicle consisting of 1st stage with 4 clustered 75-ton liquid rocket engines, 2nd stage with a 75-ton liquid rocket engine and 3rd stage with a 7-ton liquid rocket engine under parallel development. The KSLV-II program consists of 3 continuous phases. Phase 1 (Mar. 2010~Jul. 2015) activities include reviews of preliminary and system designs, construction of propulsion test facilities and ground test of 7-ton liquid rocket engine, which are successfully accomplished. During the Phase 2 (Aug. 2015-Mar. 2018), currently underway, the detailed design of engine and the launch vehicle, ground test of 75-ton liquid rocket engine and launch of Test Launch Vehicle (for the verification 75-ton LRE performance) will be completed. The final Phase 3 (Apr. 2018-Mar. 2021) aims the completion of the 3-stage launch vehicle system development effort, which will be followed by two trial launches to confirm the successful program accomplishment.


KSLV-II

Hanhwa Techwin have provided the 75ton & 7 ton liquid rocket engines, which is a core technology for the of KSLV-II. Recently, KARI succeeded in a ground thrust test for the 1st and 2nd stage rocket engines, 75-ton class, for 75 seconds duration in Jun 2016 and will extend the combustion time up to 140 seconds.

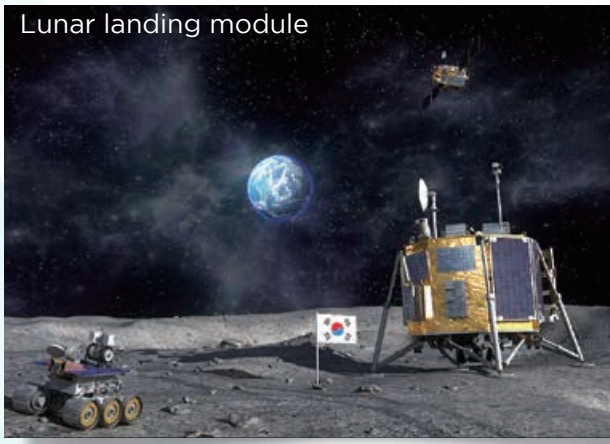


Space Programs
Lunar Exploration

Korea has implemented the lunar exploration program according to the Mid- to Long-term Space Development Plan (2014–2040). This lunar exploration project is an ambitious national program and Korea has the capacity to advance indigenous space technology to the next level and increase both the national brand value and national pride.

The goal of step 1 (2016–2018) is to develop and launch a lunar orbiter for testing, with international cooperation (NASA). The goal of step 2 (2018–2020) is to develop a lunar orbiter and a lunar landing module by South Korea's own efforts (based on the development experience obtained from step 1) and to launch them by using a Korean projectile.

Step 1 of the lunar exploration project will be managed by the Korea Aerospace Research Institute. It will drive the development of a 550kg-class lunar orbiter for testing, a main body of the orbiter for launching, a payload, and a deep space ground station (the projectile will be developed through an international contest), as well as carry out preliminary research for step 2 of the project.


Lunar landing module

Space Programs
Naro Space Center Program

The NARO space center is Korea's first space vehicle launch base built on Oenaro island, South Jeolla Province to launch satellites into space using Korean technology.

Construction began in 2000 and completed its facility build up in 2009. With completion of the NARO space center, Korea joined the ranks of the space development leaders by becoming the world's 13th nation to possess a space center. As a facility to launch indigenously developed satellites and launch vehicles from Korean territory, the space center has a 2km safety zone and meets all other conditions required to launch rockets into space.

The Naro Space Center features state-of-the-art facilities including a launch complex, a satellite integration and test center, a launch vehicle assembly building, a solid rocket motor building, a launch control building, an optical equipment building, and the Space Education/PR Center.

Key missions and functions of the Naro space center include final assembly and inspection of launch vehicles and satellites, launch preparation and execution, flight safety management and control, remote measurement of fight status data, development of launch technology-related measuring technology, rocket engine development tests and launch-related performance tests. Since the successful launch of KSLV-I in 2013, propulsion test facilities built for the development of the KSLV-II within the Naro Space Center. These facilities are equipped with facilities for ground combustion tests and real-propellant tests. As the first facility of its kind in Korea, the propulsion test facilities are used to test the engines for the KSLV-II on a continuous basis.

The Naro Space Center has been continuously upgraded as the advance base for Korea's space exploration, including expansion of the launch pad to be able to launch the Korea KSLV-II in 2020.

Seoul ADEX 2017
(Seoul International Aerospace & Defense Exhibition)

General Information

▲ Abbreviation : Seoul ADEX 2017

▲ Exhibition Period : 17~22 October, 2017 (6 days)
- Business Day : 17~20 October, 2017 (4 days)
- Public Day : 21~22 October, 2017 (2 days)

▲ Venue : Seoul Airport (Located at Seongnam-si, Gyeonggi-do, Korea)

▲ Organized by
- Korea Aerospace Industries Association(KAIA)
- Korea Defense Industry Association(KDIA)
- Korea Trade-Investment Promotion Agency(KOTRA)

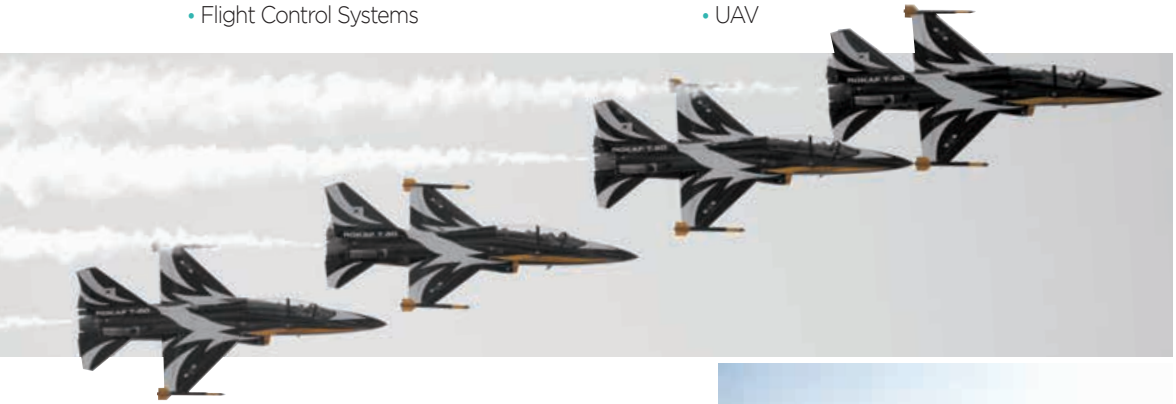
▲ Official Events & Seminars
- Official Events
  - Opening Reception(16 October, 2017)
  - Press Day(16 October, 2017)
- Seminars
  - International Aerospace Symposium
  - Aerospace Weapons System Development Seminar
  - Civilian-Military Cooperative Weapons System Development Workshop
  - Int'l Symposium for the Development of Future Ground Forces
  - Int'l Defense Industry Symposium
  - Int'l Unmanned Aircraft System Symposium
  - Int'l Aero-technology Symposium

▲ Figures in 2015
- 386 exhibitors from 32 countries
- 82 delegations from 48 countries
- 450 G2B pre-matched meetings
- 1,368 B2B pre-matched meetings
- 79,291 trade visitors and 181,019 public visitors
- 9 national pavilions
- 47 aircraft and 47 ground equipment exhibited
- 7 seminars and conferences held with 2,783 attendees
- US$15.5 billion worth of onsite contract and contract-consultations
- 12,000 spectators during demonstration of ground equipment

Exhibition Categories

▲ Aerospace

- Air Defense Systems
- Air Traffic Control
- Aircraft
- Aircraft Interior
- Aircraft Maintenance
- Aircraft part & Accessory
- Airline Service
- Charter & Leasing
- Communication Systems
- Electronics
- Engine
- Flight Control Systems
- Helicopter
- Maintenance & Service
- Navigation Systems
- Radar Systems
- Safety & Survival Equipment
- Satellite
- Security Systems
- Simulators
- Test Equipment
- Training
- Weapon Systems
- UAV



▲ Defense

- Amphibious Equipment
- Armored & Unarmored Vehicles-Mobility
- Assisting & Impending Mobility
- Command & Liaison Systems
- Industrial & Logistic Support
- Management Operation
- Missile Systems
- Naval Ship & Equipment
- Peacekeeping & Crisis
- Personnel Support & Protection
- Train Clearance
- Training Simulators
- Weapons & Ammunition

▲ Other

- Association
- Exhibition
- Media
- UVS

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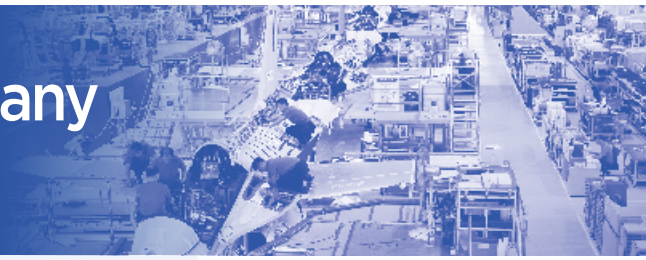
- URL : www.seouladex.com

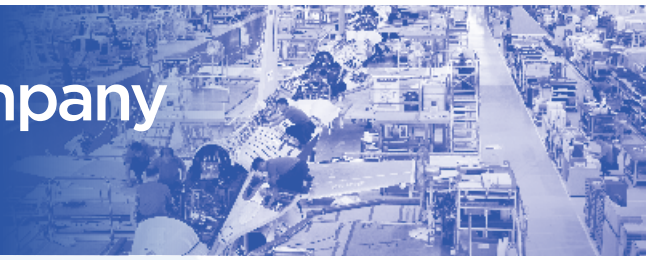
Membership Company Introduction



No.	Company	Product	URL
1	Ace Antenna	Antenna, Avionics	www.acetech.co.kr
2	Aero Master Corporation	Avionics	www.amc21.co.kr
3	AP Aerospace (Asia Pacific Aerospace Inc.)	Satellite System	www.apspace.co.kr
4	ASTK (AeroSpace Technology of Korea Inc)	Aircraft Parts (Fuselage Assembly, Door, Stringer)	www.astk.co.kr
5	Busung Co., Ltd.	Aircraft parts, Jig & Fixture	www.busungltd.com
6	Chunji Corporation	Aircraft Parts, Precision casting	www.chunji.co.kr
7	COTEC Corporation	Surface treatment	www.cotec.co.kr
8	COTS Technology Co., Ltd.	Avionics	www.cotstech.com
9	DACC Carbon	Carbon/Ceramic Brake Disc, Carbon fiber	dacc21.co.kr/carbon
10	DACC Composite Co., Ltd.	Composite Structures, Carbon Brake discs	dacc21.co.kr/composite
11	DAEHWA Aerospace Industries Co., Ltd.	Aircraft Parts, Jig & Fixture and Parts	www.daicoaero.com
12	Daemyung Engineering Co., Ltd.	Airplane assembly automation and test equipment	www.dmeng.co.kr
13	Daeshin Aerospace Co.	Aircraft parts Assembly	www.dsaero.com
14	DANAM Systems Inc.	Avionics	www.danam.co.kr
15	DAWIN FRICTION Co.	Aircraft & Rotorcraft Brake	www.dawinf.co.kr
16	DnM(Distribution and Manufacturing for Aerospace)	Aircraft parts	
17	DoDAAM SYSTEMS	Simulator, Avionics, Support Equipment	www.dodaam.com
18	Donghwa ACM Co., Ltd.	Jig & Fixture, Aircraft parts	www.dhacm.com
19	Dongjin Electric & Machinery Co., Ltd.	Alternator, Motor, Actuator, Blower, Controller & Regulator	www.djelec.co.kr
20	Dongsung TCS Co., Ltd.	Aviation Component	www.dongsungtcs.com

No.	Company	Product	URL
21	DONG YANG AK KOREA	Aluminum products	www.dyakk.co.kr
22	DONGYOUNG M&T	Aircraft parts, Jig & Fixture	
23	eNDE Co., Ltd.	Nondestructive test	www.e-NDE.co.kr
24	Firstec Co., Ltd.	Avionics, Control System, Fuel system etc.	www.firsteccom.co.kr
25	FLEX System	System performance test	www.flexsystem.co.kr
26	FOREX Co., Ltd.	Aerospace Parts, Jig & Fixture	www.forexaero.com
27	GENOHCO Incorporation	Satellite communications system	www.genohco.com
28	GigaLane Co., Ltd	RF cable Assembly	www.gigalane.co.kr
29	Hankuk Carbon Co., Ltd.	Carbon fiber, UAV	www.hcarbon.com
30	Hankuk Fiber Group	Radar dome, Canopy	www.fiber-x.com
31	Hansung ILS Co., Ltd.	ILS, Helicopter(4seats)	www.hsils.co.kr
32	Hanwha Corporation	Hydraulic parts, Flight control actuators, Fuel systems	www.hanwhacorpmach.com
33	Hanwha Techwin Co., Ltd.	Engine, Component	www.hanwhatechwin.co.kr
34	Hanwha Thales	Avionics	www.hanwhathales.com
35	HIZE AERO Co., Ltd.	Aerostructure Assembly, MRO, Part, Fabrication, Tooling	www.hizeaero.com
36	HWASEUNG Material	Fuel tank, Rubber meterial, Fluid system	www.hscmb.co.kr
37	HYUNDAI-WIA Co., Ltd.	Landing Gear, Main rotor control, Pilot seat, Landing gear parts	www.hyundai-wia.com
38	Hyun Aero-Specialty Inc.	Aerostructure Assembly, Aircraft Parts etc.	www.hyune.co.kr
39	I.T.SCIENCE Co., Ltd.	ILS, Display computer, Embedded control system	www.itse.co.kr
40	Intellics Inc.	Embedded system, Avionics	www.intellics.co.kr

Membership Company Introduction



No.	Company	Product	URL
41	IONES Co., Ltd.	Aerospace Parts	www.iones.co.kr
42	JCA Autonomous Co., Ltd.	Aircraft Sensors	www.jca-autonomous.kr
43	JNS Co., Ltd.	Electronic system	www.jns.co.kr
44	Joil Co., Ltd.	Aircraft parts	www.joilaero.com
45	KAI (Korea Aerospace Industries, Ltd.)	Full Aircraft System, Airframe, Upgrade & Modification	www.koreaaero.com
46	KCI (Korea Composites Inc.)	Aircraft parts and Assembly	www.kci.so
47	KENCOA AEROSPACE Co.	Aircraft parts and Assembly, MRO	www.kencoa.com
48	KOMACO Co., Ltd.	Aircraft cockpit's lighting panels	www.komaconvis.com
49	KOREA JIG & FIXTURE	Aircraft parts, Jig & Fixture	www.kjfaero.com
50	KOREA LOST-WAX Co,. Ltd.	Aerospace engine parts, Fuselage parts	www.lostwax.co.kr
51	Korea Precision Machining Co., Ltd.	Aircraft parts, Jig & Fixture	www.airkpc.com
52	KST (Korea Surface Treatment Co., Ltd.)	Surface treatment	www.koreatesting.co.kr
53	KOREA TESTING	Customized test equipment and simulator	www.koreatesting.co.kr
54	Korean Air Lines Co., Ltd.	Airframe, MRO & Modification	www.kal-asd.co.kr
55	KYUNGNAM METAL Co., Ltd.	Aluminum Extrusion and Parts	www.almac.co.kr
56	LACO (Leading Aero Company)	Airframe Parts	www.leadingaero.com
57	LAKWOO Co., Ltd.	Jig & Fixture and Parts	www.lakwoo.co.kr
58	LIG Nex1 Co., Ltd.	Avionics System	www.lignex1.com
59	MDS Technology Co., Ltd.	Avionisc (System SW for Defense/Aerospace)	www.mdstec.com
60	MIRAE AEROSPACE	Aircraft parts	www.miraeaero.com

No.	Company	Product	URL
61	NAMYANG PRECISION, LTD	Aircraft parts	
62	Navcours Co., Ltd.	Air navigation system, Antenna	www.navcours.com
63	NDT ENGINEERING & AEROSPACE Co., Ltd.	Aircraft parts	www.ndteng.co.kr
64	Neuros Co., Ltd.	Aerospace turbo machinery	www.neuros.co.kr
65	PSION DSP	Avionics	www.psiondsp.com
66	S&K Aerospace Co., Ltd.	Aircraft parts	www.snkaero.co.kr
67	SAMCO (SACHEON AEROSPACE MANUFACTURING)	Aircraft Door Systems, Wing Component Sub-Assemblies	www.samcokorea.com
68	Samyang Comtech Co., Ltd.	Aircraft Parts	www.samyangct.com
69	Satrec Initiative Co., Ltd.	Satellite System	www.satreci.com
70	SEOUL STANDARD Co., Ltd.	Rugged Notebook Computer, Minimized Computer	www.sstandard.co.kr
71	SEWOO AEROSPACE Co., Ltd.	Aerospace TUBE/PIPE Assembly	www.sewooaero.com
72	SHINBO Co., Ltd.	Embedded H/W·S/W, SUB System	www.shinbo.kr
73	SK CHEMICALS Co., Ltd.	Carbon composite	www.skchemicals.com
74	Songwol Technologies Co.,Ltd.	Aerospace Wind Turbine	www.yjcorps.com
75	Soosung Airframe Ind., Ltd.	Sheet Metal, Machining, Assembly, Roll Formed Section	www.soosungair.com
76	SP ELEMECH Co., Ltd.	Military Power Supply, High Frequency Conversion Rectifier, Motors	www.elemech.co.kr
77	TAAS Co., Ltd.	DAU/IVI	www.taas.re.kr
78	Uconsystem Co., Ltd.	UAV, GCS, Simulator	www.uconsystem.com
79	UI Helicopter Co., Ltd.	MRO(Helicopter)	www.uihelicopter.com
80	YEONHAB PRECISION Co., Ltd.	Aircraft cable	www.yeonhab.com
81	YULKOK Ltd.	Aircraft Parts	www.yulkok.co.kr

Ace Antenna

▲ Contact Person : Jae-mo Yang / Sales Team Director
▲ Tel : +82-32-837-8115 ▲ Fax : +82-32-837-8180
▲ E-mail : jaemo@aceantenna.co.kr
▲ Address : 237, Namdongseo-ro, Namdong-gu, Incheon, 405-849, Korea
▲ Company Intro :

Ace Antenna has specialized in manufacturing military communication products such as integrated radar system based on outstanding RF technology. The firm is located at Incheon in South Korea, It's near from the Incheon International Airport, So easier to access, visit and have a meeting.
Our flagship products are Aviation antenna, Radar system, Data link system and Aerospace equipment, Apart from Defense section we also have wireless communication products such as base-station antenna and RF products in Commercial section.

Datalink System

Parabolic, Sector, Omni Antenna

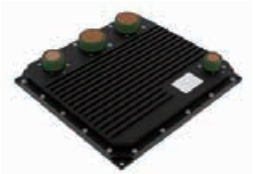
RF-Module & Antenna

Aero Master Corporation

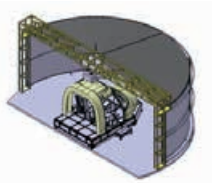
▲ Contact Person : Jeong Bae, Suh
▲ Tel : +82-55-853-2975 ▲ Fax : +82-55-853-2976
▲ E-mail : aeromaster@amc21.co.kr
▲ Homepage : www.amc21.co.kr
▲ Address : 345, Haeansaneop-ro, Sanam-myeon, Sacheon-si, Gyeongsangnam-do, Korea
▲ Company Intro :

Aero Master Corporation is the company taking a key role in avionics and related software development in Korea. We concentrated on developing avionics, ASIP programs, ground stations, and 3D simulation systems. Since founded in 2001, we have devoted only to the aerospace industry for 15 years.
Also, We are growing into a recognized technology company in the aerospace industry through incessant technology development.

DTRS



RIU



Simulator

UAV Pilot Box

AP Aerospace (Asia Pacific Aerospace Inc.)

▲ Contact Person : Sung Kyun, CHOI
▲ Tel : +82-2-2026-7700 ▲ Fax : +82-2-2026-7771
▲ E-mail : apspace@apspace.co.kr
▲ Homepage : www.apspace.co.kr
▲ Address : 9F, 2-Dong 98, GasanDigital 2-Ro, Geumcheon-gu, Seoul, Korea(08506)

▲ Company Intro :

AP Aerospace is growing as a leading company at the center of the Korean Aerospace and Defense Industry. We particularly performed a role as a competent authority to develop KOMPSAT-3A's Bus system and we have been leading the localization of core technologies for commercial earth observation satellite electronic equipment.

And now, we have ambitions to win a substantial role in the future Korean satellites, e.g. KOMPSAT-7, Compact Advanced Satellite 500(CAS500) and SAR satellites.

OBC

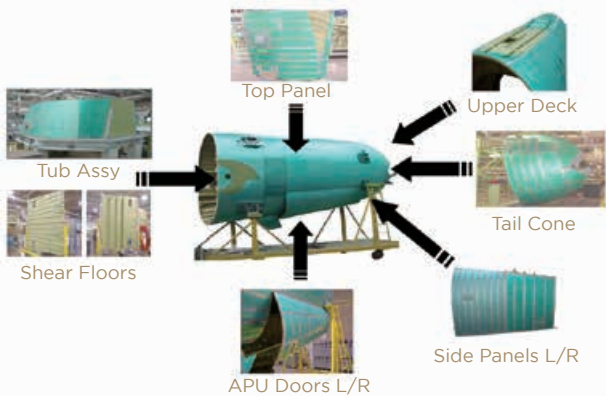
EGSE

ASTK (AeroSpace Technology of Korea Inc.)

▲ Contact Person : Jacob Lee
▲ Tel : +82-2-2071-2304 ▲ Fax : +82-2-3775-0100
▲ E-mail : jacob.lee@astk.co.kr
▲ Homepage : www.astk.co.kr
▲ Address : 23-65, Gongdan 1-ro, Sanam-myeon, Sacheon-si, Gyeongnam, 664-942, Korea

▲ Company Intro :

ASTK is an ONE STOP SUPPLIER Capability from tooling and detail parts to large assemblies - Starting with detail parts (roll formed stringers) - ASTK added aero-structure components (panel, bulkhead, door) and eventually complete fuselage section assembly(B737 Sec. 48 Module, B747-8 Sec. 48 Assemblies). On Time Delivery, Quality and Price targets. Recognized as a PLATINUM supplier by SPIRIT (in Y2012, Y2014)



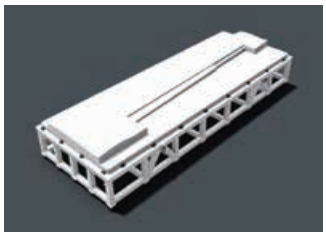
Busung Co., Ltd.

▲ Contact Person : Jeehoon Kang
▲ Tel : +82-55-830-3807 ▲ Fax : +82-55-830-3893
▲ E-mail : jhkang01@busungltd.com
▲ Homepage : www.busungltd.com
▲ Address : 87, Anjeombongsudae-gil, Yonghyeon-myeon, Sacheon-si, Gyeongsangnam-do, Korea
▲ Company Intro :

Early '90s, From its inception with small tasks for making simple tools, Busung Co., Ltd has grown to comprehensive aerospace company, specializing in producing parts, tools, design for aircraft through the history of aerospace industry of Korea. We will support aerospace industry continually and produce reliable products to live up to your expectation in the era of limitless competition with our accumulated technology , know-how and quality pride of our products.


Machining part


Sheet metal part


Master tool

Chunji Corporation

▲ Tel : +82-31-882-9800 ▲ Fax : +82-31-881-6611
▲ Homepage : www.chunji.co.kr
▲ Address : 1022, Gyeongchung-daero, Ganam-eup, Yeoju-si, Gyeonggi-do, Korea
▲ Company Intro :

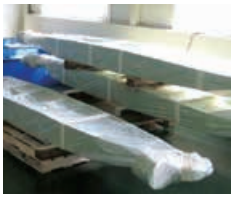
- Category : Airplane Parts, Precision casting
- Products :
  B777 Base Frame – Jackshaft, Rudder Controls
  T-50 Housing, Engine Quick Disconnect-Casting

COTEC Corporation

▲ Contact Person : Young-Chul Cha
▲ Tel : +82-10-3122-7595 ▲ Fax : +82-55-852-9397
▲ E-mail : chayoung@cotec.co.kr
▲ Homepage : www.cotec.co.kr
▲ Address : 25, Gongdan5-ro, Sacheon-si, Gyeongsangnam-do, Korea
▲ Company Intro :

COTEC Corporation was established at Bongam-dong, Masan City in 1989. In July 1995, the company moved to the present plant at Palyong-dong, Changwon City.
COTEC is a plating and coating company producing the best quality products with the best human resources and accumulated technologies.
Our products include 20 kinds of plating products manufactured through the use of technologies such as magnesium anodizing, hard chromium plating, Zinc electroplating, electroless nickel plating, anodizing, phosphating etc. Our key products are parts for semiconductors, nuclear power generation, aircraft and defence equipment. We are also implementing a plant business that is related to the plating equipment.






COTS Technology Co., Ltd.

▲ Contact Person : Eun Seong Song
▲ Tel : +82-31-702-1665 ▲ Fax : +82-31-702-1664
▲ E-mail : sense84@cotstech.com
▲ Homepage : www.cotstech.com
▲ Address : C-702 Bundang Techno-park, 744, Pangyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea
▲ Company Intro :

Since 1999, COTS Technology Co., Ltd. is a advanced company through consistent Research and Development and specialized in products, for example, SBC, DSP, I/O boards and rugged LCD display etc. units for commercial as well as military which require severe environment conditions. Also we are capable of doing system level product design and integration services.
COTS Technology Co., Ltd. provides the best value to our customers through standardized architecture and continuous technology development to become the world's leading embedded solution company.


VPX3 C1


VPX6 C2


VPX6 C4

DACC Carbon

▲ Contact Person : Lee So Yang
▲ Tel : +82-63-715-2507 ▲ Fax : +82-63-715-2510
▲ E-mail : carbon2014@dacc21.com
▲ Homepage : www.dacc21.co.kr
▲ Address : 30 Unam-ro Deokjin-gu Jeonju, Jeonbuk, Korea (54853)
▲ Company Intro :

DACC Carbon was established in 1988 as Daewoo Heavy Industries Advanced Composite Centre. It has since spun off to become DACC Carbon in 2001. The company was well known for production of extreme heat-resistant carbon composite materials for the defense industry of the ROK. Our team of specialized experts have focused exclusively on the design, innovation, and production of carbon-carbon and carbon-ceramic brake discs and heat-resistant composites for over two decades. Our core product lines range from carbon-ceramic brake discs for automobiles, carbon-carbon brake discs for both civilian and military aircraft, and extreme temperature resistant carbon-related composites for use in the defense sector.



DACC Composite Co., Ltd.

▲ Contact Person : Kil Hoon Jung
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▲ E-mail : khjung@dacc21.com
▲ Homepage : www.dacc21.co.kr
▲ Address : 56, Changwon-daero 1144beon-gil, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Korea (51539)
▲ Company Intro :

- Category : Composite Structures, Engine parts, Guided Weapon kit
- Products :
  - Composite Fuel Tank & External Fuel Tank
  - Aircraft Engine parts(Engine Vane)
  - Front Fuselage of jet trainers
  - Flight Control Rod
  - Fuselage and airframe of Unmanned aerial vehicles
  - Composite parts for commercial aircrafts
  - Guided Weapon kit
  - Composite Wing


KGGB


EFT


Engine Vane(GENX-1B, 2B)


UAV Fueslage

DAEHWA Aerospace Industries Co., Ltd.

▲ Contact Person : Yongnam, Lee
▲ Tel : +82-10-2053-7773 ▲ Fax : +82-55-673-8566
▲ E-mail : ynlee@daicoaero.com
▲ Homepage : www.daicoaero.com
▲ Address : 390, Gyosadaedok-gil, Goseong-eup, Goseong-gun, Gyeongsangnam-do, Korea
▲ Company Intro :

DAEHWA Aerospace(DAICO) is not only the leading company of sheet metal, but also largest sheet metal manufacturer of aerospace industry in Korea. We are enjoying an excellent reputation through twenty years business experience with 100% of industrial proportion in aerospace. We have qualifications for both AS9100C and NADCAP(heat treatment). We are highly proud of our technology, especially the quality of our products in sheet metal of aerospace even machining parts, tooling and assembly as well. Our major customers are Boeing, Airbus, Embraer, KAI, KAL, TRIUMPH, SPIRIT, ST aero and etc. And we have constantly agonizing cost reduction and delivery on time for customer satisfaction.


Clip Bracket Angle


Stepladder


Stiffener


Angle

Daemyung Engineering Co., Ltd.

▲ Contact Person : Junhyeong Lee
▲ Tel : +82-55-850-1000 ▲ Fax : +82-55-850-1090
▲ E-mail : jhlee0327@dmeng.co.kr
▲ Homepage : www.dmeng.co.kr
▲ Address : 59-17 Gongdan-1-Ro, Sacheon City, Gyeongsangnam-Do, Korea
▲ Company Intro :

Operating plants and offices in Sacheon and Jinju, Korea. Manufacturing and assemblying aero\-structures and general parts for aircrafts. Based on extensive experiences in FA systems develop\-ment, designing and customizing production systems to suit the customers need can be achieved at one stop.

Daeshin Aerospace Co.

▲ Contact Person : Eunji Kim
▲ Tel : +82-55-854-2877 ▲ Fax : +82-55-854-2876
▲ E-mail : ibif@dsaero.com
▲ Homepage : www.dsaero.com
▲ Address : 57, Gongdan 5-ro, Sanam-myeon, Sacheon-si, Gyeongsangnam-do, Korea (52535)
▲ Company Intro :

Daeshin Aerospace has contributed to the development of Korean Aviation industries since 1990. Daeshin Aerospace has been manufacturing key components, fuselage, wing and flight control assembly (B767 Fixed Trailing Edge, Bell 412 Fuselage, C-130 Engine Nacelle, P-8A Raked Wing Tip, G-V Leading Edge, Dash-8 Empennage etc). We promise to be reliable partner through continuous effort to satisfy customer's need.

B767 FTE

C130 EN

DANAM Systems Inc.

▲ Contact Person : Hyung-Sik Kim
▲ Tel : +82-31-420-4300 ▲ Fax : +82-31-420-4343
▲ E-mail : hs_kim@danam.co.kr
▲ Homepage : www.danam.co.kr
▲ Address : Megavalley #701, 268, Hagui-ro, Dongan-gu, Anyang, Gyeonggi-do, Korea
▲ Company Intro :

DANAM systems Inc. has strived on communications of defense industry since its establishment in 1985. Our company, in response to rapid changes in the munitions industry, is infusing its core competencies into various areas like the aerospace sector and infra management, which require high degrees of specialty and safety knowledge. We have been proven to be ultra-competitive over the past twenty years based on our technologies in military and space launch vehicle measure\-ment systems.Since the beginning of the 21 century, we have been expanding our business to aerospace communication and have become one of the leading global companies in the digital era.

DAWIN FRICTION Co.

▲ Tel : +82-32-821-4621
▲ Fax : +82-32-821-4623
▲ Homepage : www.dawinf.co.kr
▲ Address : 72B-12L Nam-Dong Industrial Complex 642-11 Gojan-Dong, Namdong-gu, Incheon, Korea
▲ Company Intro :

- Category : Aircraft&Rotorcraft, KUH(Korean Utility Helicopter)
- Products :

- Aircraft and Rotorcraft Brake Discs&Pads
  · F-5 E/F
  · F-4 C, D, E&G
  · KT-1/KO-1
  · T-59
  · UH-60
- KUH(Korean Utility Helicopter)
  · Wheel and Brake Systems
  · Brake Control Systems


Wheel Brake Assembly


Main Wheel


Nose Wheel


Wheel Brake Hydraulic Transducer


Wheel Brake Metering Valve


Wheel Brake Input Lever


Nose Wheel Locking Handle

Distribution and Manufacturing for Aerospace

▲ Contact Person : Kim Cho-youn
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▲ E-mail : dnma@hanmail.net
▲ Address : 233, Gongdan-2ro, Sanam-myeon, Sacheon-si, Gyeongsangnam-do, Korea
▲ Company Intro :

- Raw material storage and distributing after cutting and pre-machining.
- Design, manufacturing and testing of support equipment and Jig & Tools.
- Assembly of the A350 Wing rib, Fuel tank boundary, Doors and A340/A330 Wing rib


Toolling


Raw Material Machine


Support Equipment

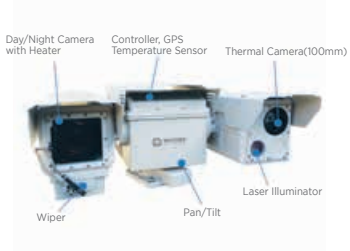

A350 Wing rib

DoDAAM SYSTEMS

▲ Contact Person : Soon Jae Kwon
▲ Tel : +82-42-337-0168 ▲ Fax : +82-42-337-0150
▲ E-mail : degein@dodaam.com
▲ Homepage : www.dodaam.com
▲ Address : #99, 1628 Beon-Gil, Yoosungdae-Ro, Yoosung-Gu, Daejeon-City, Korea
▲ Company Intro :

DoDAAM SYSTEMS is one of the major leading companies in defense industries of Korea not only develpoing weapon systems but also continuously researching the cutting edge technology in electronics and training systems.DoSAAM SYSTEMS, started as a subsidiary of Korea Aerospace Industries and after independent, successfully developing flight simulator including fighter aircraft such as F4/5 CPT, T-50 FMT / OFT / MTD etc. Further, Dodaam is expanding its business territory to software and electronic equipment etc.Your critical care and continuous attention to the growth of DoDAAM SYSTEMS will be valuable assets and foundation for moving forward to a global leader in world defense industries.

Super aEgis II



Watcher

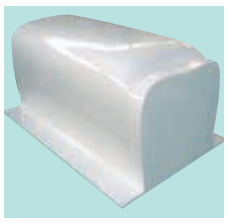
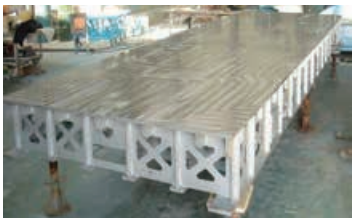
ARGOS III

Donghwa ACM Co., Ltd.

▲ Contact Person : Jin-Soo, Jun
▲ Tel : +82-55-337-6265, +82-10-2529-4502
▲ Fax : +82-55-337-6268
▲ E-mail : jsjun@dhacm.com
▲ Homepage : www.dhacm.com
▲ Address : 275-21, Seobu-ro, Jinyeong-eup, Gimhae-si, Gyeongsangnam-do, Korea
▲ Company Intro :

We are being acquired the high reputations from our domestic and overseas customers, especially in the area of Composite Bonding & Finishing Tools (LM, BAJ, NCMF, HRF etc.).Tools for Sheet Metal Forming & Finishing Tools, Aero Structure Assembly Tools(STFM, RTSH, FAJ, AJ etc.)Our extensive experience in CATIA V5 and DPD management system enable us to meet sophisticated requirement of clients with a quality management system approved by AS9100.



Dongjin Electric & Machinery Co., Ltd.

▲ Tel : +82-52-254-5533
▲ Fax : +82-52-254-5115
▲ Homepage : www.djelec.co.kr
▲ Address : 422, Sanchun-ri, Sanam-myun, Ulju-gun, Ulsan, Korea
▲ Company Intro :

- Category : Alternator, Starter Motor, DC Motor, Actuator, Blower, Controller&Regulator
- Products :
  - Alternator
  - Starter, Starter Motor
  - Bilge Pump, DCS/T Generator, Serco Motor
  - Linear Actuator, Landing Light
  - Fanairclear
  - AC Regulator, DC Regulator

Dongsung TCS Co., Ltd.

▲ Contact Person : SeJeong Im
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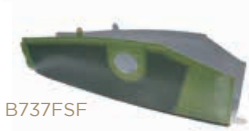
▲ E-mail : sj52@idongsung.com
▲ Homepage : www.dongsungtcs.com
▲ Address : 81, Gomo-ro 134beon-gil, Jillye-myeon, Gimhae-si, Gyeongsangnam-do,Korea
▲ Company Intro :

- Category : Manufacturing(Composite)
- Products :
  - Boeing : 737 FSF, 777 FSF/FTBP/WBE/RWT, 787 FSF/RWT
  - Airbus : A320 Sharklet
- Certification : AS9100(Rev. C), NADCAP, DPD, BAC5317/-2/-3/-4/-5, AIPS 03-02-018, AIPS 03-02-019
- Strength :
  - Manufacturing Capability of NC Ply Cutting, Lay-up, Autoclave Curing, Post bond, axis Trim and Sealing
  - Expanded updated facilities and ERP System
  - BProduce the part of heavy construction equipment, automobile and farming machines to meet domestic and international standard
  - Manufacture Aeronautical Composite Parts with high quality, low price and on time delivery


B787FSF


A320SL


B737FSF

DONG YANG AK KOREA

▲ Contact Person : Lee Seok Hyun
▲ Tel : +82-44-998-7175, +1-949-535-0308, +82-10-7355-1779
▲ Fax : +82-44-998-1031
▲ E-mail : mtshl@akglobal.net
▲ Homepage : www.akglobal.net
▲ Address : #70, Wonhapgang 1-gil, Yeondong-myeon, Sejong City, Korea (30067)
▲ Company Intro :

Excellence and innovation built into every product is the term that best describes AK Corporation. Our Aluminum products are a good example of how a manufacturing company can reflect the excellent consistency of technology and development in order to increase quality of production. Since the foundation year of 2003, AK is pursuing a global innovation with multi-material solutions that has qualified performance and highest customer satisfaction. Our aluminum alloy casting and extrusion technology is certified and patent protected in several countries including the United States. Our priority is to consistently produce a high-quality product based on next generation technology. AK Corporation is following the international standard of AS9100 and ISO/TS16949. We have best crew trained and experienced in each factory locations to ensure the quality meeting the requirements of our prime aerospace customers.



DONGYOUNG M&T

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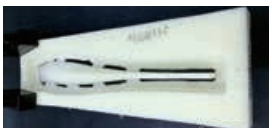
▲ Fax : +82-55-854-3695
▲ E-mail : dyjangsh@hanmail.net
▲ Address : 365, Haeansaneop-ro, Sanam-myeon, Sacheon-si, Gyeongsangman-do, Korea
▲ Company Intro :

- Special metal (Ti, Inconel, Composite etc.) precision configuration cutting (water jet)
- Composite part 5 Axis precision machining
- Hard metal (Ti, Cres) 5 Axis, 3 Axis machining
- Aircraft Assy jig, Sub Assy jig, and MLFX design and manufacturing
- We hold design capabilities







eNDE Co., Ltd.

▲ Contact Person : Samkyo Kim
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▲ E-mail : skim03@e-nde.co.kr
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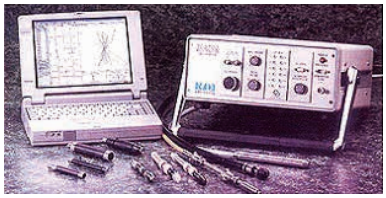
▲ Address : Mecha-zone 909, SK Technopark, 50, Wanam-ro, Seongsan-gu, Changwon-si, Gyeongnam, Korea
▲ Company Intro :

e-NDE will always be there to support our customer.
e-NDE our NDT service company, will continue to march on to reach the goal of attaining superior position in the field of NDE by making everlasting effort in achieving super efficient management.
e-NDE will not settle down at what we have today but always challenge the impossible so as to satisfy our customer with every effort we have.



Firstec Co., Ltd.

▲ Contact Person : Jin Park
▲ Tel : +82-31-627-4555 ▲ Fax : +82-31-627-4599
▲ E-mail : jin522@foosung.com
▲ Homepage : www.firsteccom.co.kr
▲ Address : 485, Nammyeon-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Korea
▲ Company Intro :

Since established in 1975, we, as a manufacturer of state-of-the-art defense systems and products, have been a leading company in the defense industry of Republic of Korea. With strong technical knowhow stemming from long experience, we are firmly positioned as a competitive specialist in electric/electronic parts of weapon systems, guided weapons, fire control systems, guidance & control systems, actuation systems, environment control devices of aircraft electronic systems, ADS, and others. We have made remarkable achievements such as succeeding in aircraft structural test firstly in Korea, developing own technology to manufacture NVIS panels of rotary wing/fixed wing aircraft, attitude control system of space rockets, etc. Now, with our efforts to develop new growth engines, we are accelerating to leap up to be a global defense business leader with our face recognition system, and the unmanned system of our subsidiary Uconsystem Co., Ltd.



FLEX System

▲ Contact Person : Park, Sin-Jae
▲ Tel : +82-31-424-4510 ▲ Fax : +82-31-450-3510
▲ E-mail : sjpark@flexsystem.co.kr
▲ Homepage : www.flexsystem.co.kr
▲ Address : 126, Beolmal-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Korea
▲ Company Intro :

Flexsystem founded in 2001, has aerospace / space / defense business sector. The main products are control and measurement systems, performance testing equipment, various inspection equipment.
An example are [the performance, fatigue, endurance test equipment of MRA(main rotor actuator) and TRA(tail rotor actuator)], [the circuit board performance test equipment of aircraft and guided weapons], [the control and signal processing of the combustion test equipment].
And we a system integrator and supporting services to software implementation and hardware configuration according to the customer's requirements.


MRA & TRA


Truster


Blasting agents test equipment

FOREX Co., Ltd.

▲ Contact Person : B.J Kim
▲ Tel : +82-55-274-4804 ▲ Fax : +82-55-274-4805
▲ E-mail : forex2@forexaero.com
▲ Homepage : www.forexaero.com
▲ Address : 201-3 Yangkog-dong, Changwon-si Gyeongnam, Korea
▲ Company Intro :

FOREX specializes in the machining complex machined parts used in both the domestic and in\-ternational aerospace industry. We excel in 5 axis machining work utilizing the latest in computer aided design and manufacturing (CAD/CAM). All customer products are thoroughly inspected using a coordinate measurement machine (CMM). FOREX produces parts for such names as Korea Aero\-space Industries, the Boeing Company, and Airbus Industries.Method


B737 Rib
B737 Rib
B737 Rib
B737 Stiffener
B737 Support Bracket
B737 Fitting Assy


A337/340 EIS Rib
A350 Retract Fitting
A350 Loaded Bracket
A350 Handling Fitting
A350 Lower Contiuity Fitting

GENOHCO Incorporation

▲ Contact Person : SJ Kim
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▲ E-mail : stwartkim@genohco.com
▲ Homepage : www.genohco.com
▲ Address : 6F Neontech Bldg. 146, Burim-ro, Dongan-gu, Anyang-si Gyeonggi-do, Kore
▲ Company Intro :

GENOHCO has a capability to design and produce the electronic equipments such as Communication, Computer, Sensor equipments and Test equipments for Avionic system including Communication System with full engineering capabilities under AS-9100 and ISO-9001 Quality System.
GENOHCO is one of partner to supply the products which are D/A (Distribution Amplifier), SIL System, ICS (Intercommunication System), IMC (Integrated Mission Computer) for T-50 / FA-50, KUH, LAH and UAV from KAI / KAL.
Also GENOHCO has a strong point to design/produce EGSE system and X-Band Transmitter for high resolution / speed with 720 Mbps modulator for Commercial and Military Satellite with FM grade.



GigaLane Co., Ltd.

▲ Contact Person : Cloe Bang
▲ Tel : +82-31-370-3515 ▲ Fax : +82-31-233-7317
▲ E-mail : cloe@gigalane.com
▲ Homepage : www.gigalane.com
▲ Address : 46, Samsung 1-ro 5-gil, Hwaseong-si, Gyeonggi-do, Korea
▲ Company Intro :

GigaLane is a company specialized in high-frequency & low-loss RF connector, cable, assembly and RF module for military, aerospace, network infra and mobile communications.GigaLane performs all activities from original design to production based on its R&D skills and 3 major technologies which are semiconductor equipment, MEMs and RF processes. The RF component of GigaLane complies with all military standards in design, production, and quality assurance. GigaLane looks forward to growing together with its customers by enhancing customer satisfaction through com\-petitive performance at better price than global RF component companies.



Hankuk Carbon Co., Ltd.

▲ Contact Person : Minjun Kim
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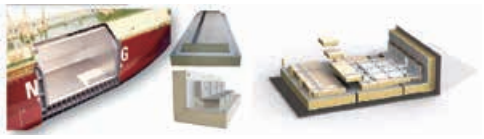
▲ E-mail : minjunkim@hcarbon.com
▲ Homepage : www.hcarbon.com
▲ Address : 6Floor, 310, Tojeong-ro, Mapo-gu, Seoul

▲ Company Intro :

Hankuk Carbon has been in the field of Composite Material for 30years, the first composite manufacturer in Korea. Hankuk Carbon is specialized in manufacutring composite materials and components. Company Business began from carbon fiber prepreg for sports and leisure equipment and has diversified into LNG insulation, dry-film and exterior aluminum panel while strengthening the roots in carbon fiber prepreg business into aerospace and automotive industries. Company meets the international standards with certification such as ISO14001, OHSAS18001, AS9100, ISO29001, etc.
Hankuk Carbon also manufacture interior for commercial aircraft such as Airbus A350XWB and KAI's KT-100. Hankuk Carbon is exploring for more opportunities thanever before to become the world leading company in the composite field.



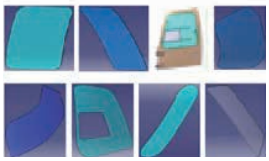
Hankuk Fiber Group

▲ Tel : +82-55-359-2500
▲ Fax : +82-55-359-2519
▲ Homepage : www.hfiber.com
▲ Address : 719-33, Sangnam-Ro Sangnam-Myun Miryang-Si, Gyeongnam, Korea

▲ Company Intro :

- Category : Aircraft Secondary Part, 8 Passenger Seats all Composite Airplane, UAV Structural Body & Part, Trainer & Helicopter Structural Part, Rocket Structural Part, Aircraft Fairing Assembly, Radar Protection Cover
- Products :
  - Airbus A-320 Elevator
  - UAV (Unmanned Arial Vehicle) Aircraft Structural Body & Part
  - KT-1 Windshield (KT-1 Canopy Transparency)
  - UH-60 Black Hawk Crew Seat
  - B747/757/767/777 Nose Cone, Air Inlet Duct, Engine Cowling, Fuel Vent Duct
  - Radome CW396

Canopy



Transparent Window

UAV composite Part

Hansung ILS Co., Ltd.

▲ Tel : +82-55-286-1061
▲ Fax : +82-55-286-1063
▲ Homepage : www.hsils.co.kr
▲ Address : 41-9, Bongam-dong, MasanHoewon-gu, Changwon-si, Gyeongsangnam-do, Korea
▲ Company Intro :

- Category : ILS(Integrated Logistics Support) Development, Air Transportation business
- Products :
  - ILS(Integrated Logistics Support)
  - Technical Translation
  - Modeling and Simulation
  - Helicopter(4 Seats)

Hanwha Corporation

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▲ Address : 4th FL hanwhaBldg, 109, Sogong-ro, Jung-gu, Seoul, 04525, Korea
▲ Company Intro :

HANWHA Aerospace Division leads the Korea aerospace industry in the field of design, development, manufacturing, and repair & overhaul of flight control actuators, hydraulic & fuel system of aircraft, guided weapon and launch vehicle. It aims to grow as a core manufacturer by participating in all Korean aircraft programs and the commercial aircraft in both domestic and export market.

Langding Gear

T-50 Horizontal Tail Flaperon ISA

T-50 LEFAS

T-50 Rudder ISA

Hanwha Techwin Co., Ltd.

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▲ E-mail : y.jun@hanwha.com
▲ Homepage : www.hanwhatechwin.co.kr
▲ Address : 86, Cheonggyecheon-ro, Jung-gu, Seoul, Korea (04541)
▲ Company Intro :

Since 1979 at the very beginning of Hanwha Techwin's aircraft engine business, the company has taken an industrial lead through engine overhaul, parts production and its participation in the RSP program. Hanwha Techwin is the best company specializing in gas turbine engine repair, overhaul and engine components manufacture.
Hanwha Techwin provides aircraft engines with integrated support, lift power to the military application and propulsion system in the marine & industrial application
Based upon its successful track record, it has been selected as the best supplier by its customer for its excellent performance in terms of delivery and quality.
Hanwha Techwin has played a pivotal role in strengthening the combat capabilities of the Korean military by developing and producing aviation and terrestrial weapons systems. The K9 Self-Propelled Howitzer is regarded as the masterpiece of self-propelled Howitzers. Together with the robot type K10 Ammunition Resupply Vehicle it is recognized for providing outstanding functionality: as a result, they are exported on the foreign market, contributing to the national economy.


KUH APU


KUH Engine


Parts


K9

Hanwha Thales

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▲ Homepage : www.hanwhathales.com
▲ Address : Hanwha Bldg 20F 86, Cheonggyecheon-ro, Jung-gu, Korea
▲ Company Intro :

Hanwha Thales (HTC) is well positioned to successfully execute sophisticated defense programs while satisfying our customer's requirements for program performance and quality assurance. For more than 37 years, HTC has enjoyed sustained growth from its intimate involvement in the design, development, integration and support of sophisticated high technology electronics for applications such as tactical communication systems, radar systems, naval combat systems, electro-optics, fire control systems and avionic solutions in military forces in Korea and beyond. HTC is now taking the lead in guiding into a new future for the defense industries


Elint system


DUAV EOTS


F-15-AMSCP


KOMPSAT 3A IR SYSTEM

HIZE AERO Co., Ltd.

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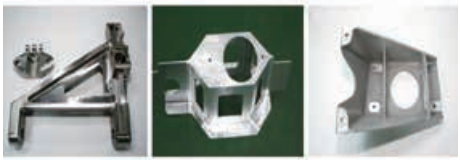
▲ Homepage : www.hizeaero.com
▲ Address : 24, Gongdan5-ro, Sanam-myeon, Sacheon-si, Gyeongsangnam-do, Korea
▲ Company Intro :

HIZEAERO, which is a Tier 1 supplier to Boeing, will be a one-stop supplier by participating in assembly, tooling, machining, sheet metal, and composite (2015) businesses. We are ready to meet customers' needs in Quality, Cost, and Delivery.

- Main Businesses :
  - Assembly
    - B787 Center Wing Box(Sec.11), Fixed Trailing Edge(Sec.15)
    - B787 Pivot Bulk Head(Sec.48)
    - B767 AB Tailcone
  - Tooling
    - Commercial : B787 FAJ, B747-8 IC AJ, A350 AJ, A320 WBP MF, etc.
    - Military : T-50 AJ, KT-1 AJ, F-15 AJ, AH-64D AJ, etc.
  - Machining : 20 Programs 1,930 L/Is
    - Commercial : B787 Splice(5Axis), B737 Stiffener(4Axis), B747 Tee(3Axis), etc.
    - Military : AH-64D Bracket and Fitting, FA-50 Engine Mount and Windshield, etc.
- Others :
  - Quality
    - AS9100(Rev.C), NADCAP, IAQG, BQMS D6-82479, D1-4426, Airbus QSPL, KPQMS9100
  - Measuring Equipments
    - Laser Tracker (10sets), CMM (6m×2.5m, 1.6m×1m) etc.



HWASEUNG Material

▲ Contact Person : Jinmin Youn
▲ Tel : +82-55-780-3542 ▲ Fax : +82-55-785-2521
▲ E-mail : jimi@hsrna.com
▲ Homepage : www.hscmb.co.kr
▲ Address : 11, Yusangongdan 2-gil, Yangsan, Gyeongnam, 626-210, Korea
▲ Company Intro :

- FUEL TANK
  - Crashworthy/Self Sealing
- RUBBER MATERIAL
  - Variety CMB/FMB/TPE
- FLUID SYSTEM (Hose)
  - High pressure : brake hose / air conditioning hose/power steering hose
  - Low pressure : fuel system / water system / oil system
- SEALING SYSTEM (Weather Strip)
  - Glass run / door side / body side / fixed glass molding
- OTHER RUBBER PART

HYUNDAI-WIA Co., Ltd.

▲ Contact Person : Sunghwan, Lee
▲ Tel : +82-55-280-9961 ▲ Fax : +82-55-210-9805
▲ E-mail : zeroth@hyundai-wia.com
▲ Homepage : www.hyundai-wia.co.kr
▲ Address : 153 Jungdong-ro, Seongsan-gu, Changwon, Gyeongnam, Korea
▲ Company Intro :

HYUNDAI WIA as the landing gear manufacturing company in Korea is receiving a good fame from internationally renowned aircraft manufacturing company and keep enlarging the business realms. We have developed and produced the landing gear that is mounted on training aircraft, combat aircraft and multi-role helicopter. HYUNDAI WIA is challenging to expand commercial airliner landing gear area based on the accumulated technology.


T-50 NLG 2

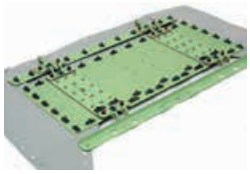

Surion Landing Gear


Pilot Seat

Hyun Aero-Specialty Inc.

▲ Tel : +82-51-974-6500 ▲ Fax : +82-51-832-0268
▲ Homepage : www.hyune.co.kr
▲ Address : 91 Noksansandan 46-ro, Gangseo-gu, Busan, Korea
▲ Company Intro :

- Category : Mid-size Assembly, Sub Assembly, Machined Parts, Sheet Metal Parts, Extrusion Parts, Kittings, Casting&Forging
- Products :
  - MID-SIZE ASSEMBLY
    - 787 APU Door, 787 Raked Wing Tip MIC, 787 Wing Box Assembly, 787 Firewall
  - SUB ASSEMBLY
    - 737 Aileron Balance Panel, 737 Nose Assembly, 737 Rod Assembly
  - MACHINED PARTS
    - 747 Outer Flap Ribs, 747 Rib, 747-8 Track Assembly Support, 737 Aileron Detail Rib
  - SHEET METAL PARTS
    - 747-8 Structure Bracket Supports, Wing Center Section, 777 Structure Bracket Supports, ERJ 190 Detail Parts
  - EXTRUSION PARTS
    - 747 Stringer Clips, 767 Frame Chords, 767 Stringer Clips, 767 Chords
  - KITTINGS
    - C-17 Ext Kit, Gulfstream V Kit
  - CASTING & FORGING
    - 737 Casting, Titanium Forging



I.T.SCIENCE Co., Ltd.

▲ Contact Person : Seungyoung Kim
▲ Tel : +82-31-360-3240 ▲ Fax : +82-31-360-3250
▲ E-mail : rla3128@itse.co.kr
▲ Homepage : www.itse.co.kr
▲ Address : 3rd Fl. NPL Center, 1027-19 Hogye-dong, Dongan-gu, Anyang-si, Gyeonggi-do, Korea
▲ Company Intro :

아이티사이언스(주)

I.T.Science (ITSE), established in 2002 and organized by diverse defense business experts (as of June 2016, 170 employees), provides a total military solution through the military systems (display computer, single board computer, embedded control system, & special test equipment), Integrated Logistics Support (ILS) elements (technical manual, LSA, RAM analysis), Interactive Electronic Technical Manual (IETM) s/w (KAIS), Computer Based Training (CBT) development and technical translation (proposal and manual).

Intellics Inc.

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▲ E-mail : brad@intellics.co.kr
▲ Homepage : www.intellics.co.kr
▲ Address : A-603, Technopark, Bungdang, Seongnam, Kyunggido, Korea
▲ Company Intro :

intellics
Intelligent Computer Systems

Intellics offers embedded system and subsystem hardware products, hardware design services for embedded and high performance computing. We are experts in defense industry applications including avionics, guidance, command and control, fire control, navy applications and more. We also provide custom hardware design engineering services for real time computing that include mission computer, flight control, command & control, fire control, 2d/3d map computer, embedded training computing.

IONES Co., Ltd.

▲ Contact Person : Song Soonjong
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▲ E-mail : ssj2@iones.co.kr
▲ Homepage : www.iones.co.kr
▲ Address : #2061, Anseong-daero, Gosan-myeon, Anseong-si, Gyeonggi-do, Korea
▲ Company Intro :

DIGITAL IT LEADING COMPANY, IONES
Since IONES was established as one of semiconductor and display super-precision parts maker in 1993, we have rapid business growth by focusing on customer satisfaction and continuous research and development in order to provide customized service to satisfy our customer's needs. Furthermore, we supply airplane fuselage parts and have a technology for the secondary power generation parts such as Power Take Off shaft in the aerospace business. Recently, we are developing the Bomb Rack Unit for the light weight military attack helicopter LAH issued from KAI. IONES will persist its growth and challenge to be innovative to develop best technology and skills of the highest quality and maintain global competitiveness.



JCA Autonomous Co., Ltd.

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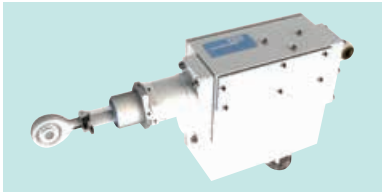
▲ Homepage : www.jca-autonomous.kr
▲ Address : Suite 904 Newtown Plaza, 303 Bugyuseong-daero, Yuseong-gu Daejeon, Korea
▲ Company Intro :

JCA Autonomous is the propeller distributor as well as the supplier of the sensors in the aerospace industry. JCA Autonomous is planning on developing the capability of propeller MRO (Maintenance, Repair and Overhaul) now. Also, JCA Autonomous concentrates on the R&D projects recently with UAS Srl, our Italian R&D partner. Our main output regarding R&D projects includes Electrical Brake System assembly, Valve anti-ice and especially, WSS (Wheel Speed Sensor) which is the part of the Electrical brake assembly. JCA Autonomous is about to enter the Korea Government's funded R&D project relevant to WSS of UAV's Electrical Brake System. And we will do our best to participate in the R&D project which includes the Smart Electro-Mechanical Trim Actuators.





JNS Co., Ltd.

▲ Contact Person : Sang ho, Park
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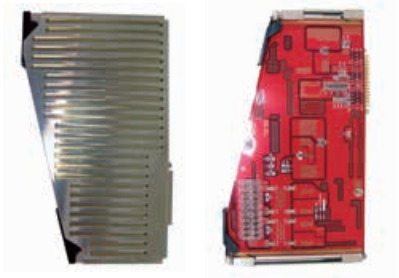
▲ E-mail : jns@jns.co.kr
▲ Homepage : www.jns.co.kr
▲ Address : #1006, U-TOWER,120 Heungdeokjungang-ro, Giheung-gu, Yongin-si, Gyeonggi-do, Korea

▲ Company Intro :

Our JNS is a company that specializes in developing power converter, power system, DSP board, generator controller which applies to the defense industry, Aerospace and civitian industry and was established in 2003.
A young company, JNS is diversifying its business sphere by developing power convertering and electronic equipments based on consistent research and development as well as fostering of human resources.

MUAV Datalink Power Supply Unit

MUAV FLCC Power Supply Unit



KGGB(Korea Gps Guide Boom) Power Supply Unit

T-50 Electrical Test Set

Joil Co., Ltd.

▲ Contact Person : Eric Hwang
▲ Tel : +82-55-853-8840 ▲ Fax : +82-55-852-2130
▲ E-mail : joilaero@joilaero.com
▲ Homepage : www.joilaero.com
▲ Address : 39 Gongdan 5ro, Sanamyeon, Sacheon, Gyeongnam, Korea

▲ Company Intro :

Joil Co., Ltd. is a manufacturer of aerospace engine and structural components. Established in 1985, having over 30 years of experience in the aviation industry and many know-hows. Joil constantly reaches out for innovation on manufacturing methods. Cutting cost and time to meet the business characteristics of the aviation business. Joil Co., Ltd. have over 100 employees, approximately 70 employees working in the direct manufacturing, 5 R&D, and others in management. Starting from 2007 through 2014 Joil has been rated the top supplier from Korea Aerospace Industries, defining Joil's capabilities in the manufacturing of aircraft parts. Joil holds 16 5-axis machines, 8 3-axis machines, and over 6 turning lathe, 1 turn-mill. Joil especially masters the fabrication of hard to cut metals such as Inconel, titanium, tungsten, and high heat treated metals. In 2014 Joil did a total of 15 million USD (excluding the price of the material costs), always willing to work with new and long term partners. Manufacturing commercial and military aircrafts is our specialty and hope that we can work with new partners in the growing business of aerospace. Joil is always training employees to achieve advance information and communication systems, to adapt to the fast growing and changing of 21stcenturyaviationbusiness.

Case Assy of Outer (PW1000)

Main Rotor Sleeve

Shaft Pivot

Korea Aerospace Industries, Ltd.

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▲ E-mail : fly@koreaaero.com
▲ Homepage : www.koreaaero.com/english
▲ Address : 78, Gongdan 1-ro, Sanam-myeon, Sacheon, Gyeongnam, Korea
▲ Company Intro :

Korea Aerospace Industries LTD.(KAI) has been orienting towards the world's first-class aerospace company and leading the development of Korean aerospace industry with a challenging spirit, laying a groundwork for leaping to the global aerospace company.
KAI has developed the basic trainer, KT-1, the supersonic advanced trainer, T-50, and the Korean utility helicopter, Surion. Along with aircraft development, production and testing, KAI performs maintenance, repair and overhaul (MRO) to fulfill its responsibility. In the civil aircraft field, KAI deeply participates in the international joint development for A350s and B787s and solidifies further a strategic partnership with Boeing and Airbus. KAI prepares a new challenge to take a striking position as a central company in the world's aerospace industry via balanced development in the military and civilian industry.
KAI is successfully conducting next-generation corp. level UAV, KF-X, multi-purpose satellite programs through ensuring R&D and advanced technology. KAI aims to be ranked a top 15 in the global aviation industries by 2020.


KF-X


T-X


LCH


LAH

Korea Composites Inc.

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▲ E-mail : dongwon@kci.so
▲ Homepage : www.kci.so
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▲ Company Intro :

Korea Composites Inc. (KCI) is a CFRP specialist based in South Korea. We currently manufacture various CFRP components for various clients in the Aerospace industry, including Airbus, Boeing and Korea Aerospace Industries (KAI).
The main products include : B787 PBH, A350 NLGB, A-10, UAV.
KCI Vision : Market leader in production and supply of high-performance composite material.




KENCOA AEROSPACE Co.

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▲ Homepage : www.kencoa.com
▲ Address : 152-44, Oegukgieop-Ro, Sanam-Myeon, Sacheon, Gyeongnam-Do, Korea

▲ Company Intro :

Kencoa Aerospace is a total solution provider of aerospace and defense industry with a turnkey manufacturing capability from raw material, machining, to final assembly and MRO. Its product line includes

- KT-100, ROKAF primary trainer, final assembly, 1st as a SME,
- Main structure assemblies of B777/B767,
- Korean Utility Helicopter detail parts and rear fuselage assembly.

Recently, Kencoa is expanding its business area into MRO with structure upgrade dispatch jobs of various platforms.

KOMACO Co., Ltd.

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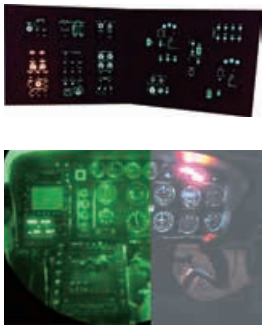
▲ E-mail : kjk10671@komaconvis.com
▲ Homepage : www.komaconvis.com
▲ Address : #1011,1013,1014, Unitech Venture Town, 142, Ilsan-ro, Ilsandong-gu, Goyang-si, Gyeonggi-do, Korea

▲ Company Intro :

KOMACO is specialized for development and mass production of aircraft cockpit's lighting panel like FA-50, KUH-1.
NVIS(Night Vision Imaging System) Lighting System is unique for flight on the night duty to define objects and topography out side aircraft during flight by NVG(Night Vision Goggle) which checks object detail with extension reflection of light in the dark.
The design, Arcrylic process painting, Assembly, test and etc, All prepared for development and mass production of lighting panels which meet military standards(MIL-STD-3009, MIL-DTL-7788F, MIL-STD-464, etc..).
All of our products are quality guaranteed on certification of AS9100C.
We are going to participate in LCH/LAH and KFX development Program with respect to development of cockpit lighting panels.
We'd like to participate in Aircraft manufacturing general parts or Avionics equipment and ancillaris.



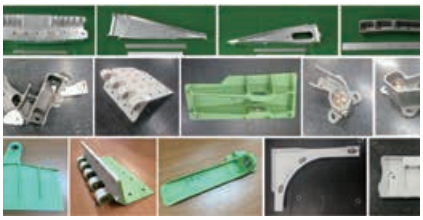
NVISCockpit vs non type

KOREA JIG & FIXTURE

▲ Contact Person : Jisang (Jason) Park
▲ Tel : +82-51-913-9236 ▲ Fax : +82-51-831-1729
▲ E-mail : jason@kjfaero.com
▲ Homepage : www.kjfaero.com
▲ Address : 14, Noksansandan 261-ro 59beon-gil, Gangseo-gu, Busan, Korea (46753)
▲ Company Intro :

"Create production"
KOREA JIG & FIXTURE(KJF) has increased its reputation in aerospace and defense industry with its cutting-edge technologies since KJF was established in 1984.
As a leading manufacturer in aerospace tooling as well as aerostructures, KJF has been developing state-of-the-art products and makes a great effort to jump into a leading position in the world. In addition, KJF plays key role in Korean defense industry by supplying mechanical components and structures.





KOREA LOST-WAX Co,. Ltd.

▲ Contact Person : J.S. Hwang
▲ Tel : +82-31-499-8485 ▲ Fax : +82-31-431-6091
▲ E-mail : capman@lostwax.co.kr
▲ Homepage : www.lostwax.co.kr
▲ Address : #220, Sihwa-Ro, Danwon-Gu, Ansan-City, Gyeonggi-Do, Korea
▲ Company Intro :

Korea Lost-Wax is a Pride of Korea Investment Casting Industry.
We, Korea Lost-Wax specialized in research, development and manufacture of investment casting of using Lost-wax (Investment Casting) technology, creat new technologies for future world. With the state-of-the-art R&D and production system such as most updated vacuum furnace, precision testing equipment, etc., we have been developing, manufacturing and supplying our commercial casting parts, automobile casting parts and aerospace casting parts, with quality certifications of global standards. In the extremely competitive era that technology rules the world, all of our staff will take a role of a leader of this industry in the 21st century with out faith, hope and courage.

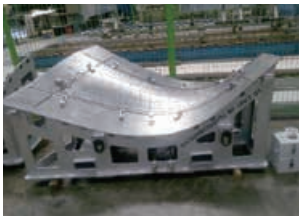



Korea Precision Machining Co., Ltd.

▲ Contact Person : Gi Hwan Kim
▲ Tel : +82-55-342-5746 ▲ Fax : +82-55-342-5743
▲ E-mail : ghkim@airkpc.com
▲ Homepage : www.airkpc.com
▲ Address : #52-32, Seobu-ro, 378beon-gil, Jinyeong-eup, Gimhae-si, Gyungnam, Korea

▲ Company Intro :

Our company was established in June,1990, is a company specializing in airframe fields with a history of 25 years so far.Producing fields are large divided into aircraft tool design and manufac\-tuing, part manufacturing, airframe assembly in three field, tooling career of 25years, detail parts fabrication of 20years, is a company with 15years of experience in Assembly.

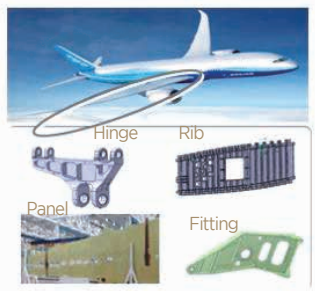


Korea Surface Treatment Co., Ltd.

▲ Contact Person : Soojin An
▲ Tel : +82-55-850-2501 ▲ Fax : +82-55-855-9700
▲ E-mail : jin7369@nate.com
▲ Homepage : www.kstco.kr
▲ Address : 309, Aerospace Center, 80 Bangi-Ro, Sanam-myun, Sacheon-city Gyeongnam, Korea

▲ Company Intro :

KST(Korea Surface Treatment Co.,Ltd.) has been established in Aug.2014 under joining as shareholders with 23 aerospace industry relevant companies to increase the capability & capacity of chemical process for aerospace fabrication part to improve competitiveness in exports.
KST will provide a professional technology and quality system to meet customer's requirements with the newest eco-friendly facility & equipment in aerospace surface treatment industry.



KOREA TESTING

▲ Contact Person : Hyoung Eui KIM
▲ Tel : +82-42-939-3200 ▲ Fax : +82-42-936-2052
▲ E-mail : hek525@hanmai.net
▲ Homepage : www.koreatesting.co.kr
▲ Address : 119, Techno 2-ro, Yuseong-gu, Daejeon, Korea (34024)
▲ Company Intro :

KOREA TESTING CO. designs and builds customized test equipment and simulator according to enduser needs. We specialize in R&D test equipment, compliance test equipment and quality control test equipment for mass production.
Test equipment are generally classified as general performance test equipment, durability test equipment, accelerated test equipment, and environmental test equipment, etc.
We are now especially developing a Car Crash Simulator and hydrostatic servo actuator, hydraulic piston pump, Aerospace Pulser, CVT(continuously variable transmission) etc.



Korean Air Lines Co., Ltd.

▲ Contact Person : Jinwoo Lee
▲ Tel : +82-2-751-7305 ▲ Fax : +82-2-751-7348
▲ E-mail : jinwlee@koreanair.com
▲ Homepage : www.koreanair.com
▲ Address : 260, Haneul-gil, Gangseo-gu, Seoul, Korea
▲ Company Intro :

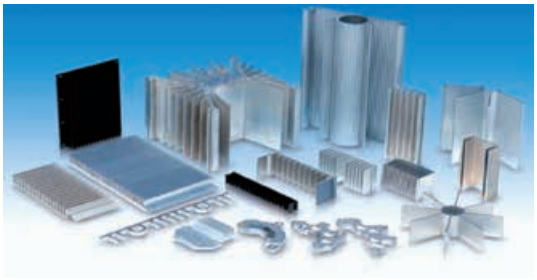
Korean Air is taking a giant step to solidify our position as a manufacturer of complete unmanned aerial vehicles and so become an integrated aerospace company that is worthy of the name. We can do so based on the experience and technical knowledge gained during our 39 years of design, manufacture, license production, performance improvement, restoration, modification, and main\-tenance of foreign and domestic manned aircraft and during our development and manufacture of aircraft structures.



KYUNGNAM METAL Co., Ltd.

▲ Tel : +82-55-260-0400
▲ Fax : +82-55-286-1255
▲ Homepage : www.almac.co.kr
▲ Address : 74, Shinchon-Dong, Changwon-City, Gyongsangnam-Do, Korea
▲ Company Intro :

- Category : Industrial Materials, Profile/Accessories, Automobile parts
- Products :
  - Heat Sink, Vehicle, Marine, Boiler/Air conditioning, Mould, High Strength, Architectural Material
  - Engine&Transmission, Safety, External, Bus Window&Moulding Parts



LACO(Leading Aero Company)

▲ Contact Person : Park Sang Sin
▲ Tel : +82-55-830-7739 ▲ Fax : +82-55-853-7715
▲ E-mail : sspark@leadingaero.net
▲ Homepage : www.leadingaero.com
▲ Address : 371, Haeansaneop-ro, Sanam-myeon, Sacheon-si, Gyeongsangnam-do, Korea
▲ Company Intro :

We invite you to work with LACO toward a Leader of Aerospace!
I appreciate your visiting Leading Aero Company. LACO is now making a remarkable growth year by year as s star-up young company building 5 Axis Machining Parts, Sheet Metal Forming Parts and Sub-assembly Parts in aerospace.
Based on qualifications of AS9100 and NADCAP Heat Treat Process, LACO is being highly acclaimed at home and abroad through providing products with excellent quality and competitive price to Boeing and Airbus.
I have confidence that LACO family's united passion for a Leader in Aerospace will make LACO to be the best company who keeps the first-rate performance and always explores new challenge.


Rib27

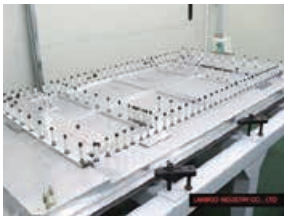

Seal Rib Assy

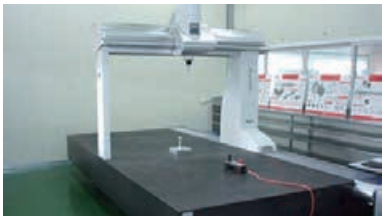

T-50 Rear Fuselage

LAKWOO Co., Ltd.

▲ Tel : +82-55-972-9922
▲ Fax : +82-55-972-9925
▲ Homepage : www.lakwoo.co.kr
▲ Address : 680-10, Chatan-ri, Sancheong-eup, Sancheong-gun, Geongsangnam-do, Korea
▲ Company Intro :

- Category : Water Tank, Electric Ion Water Purifier, Parts and Materials Processing, Ceramics
- Products :
  - Airplane Jig & Fixture
  - Automobile Parts, Shift Lever, Large Shafting, Boring Machinery, Mission(Shaft)





LIG Nex1 Co., Ltd.

▲ Contact Person : Yeo, Dong-Uk
▲ Tel : +82-31-8026-7665 ▲ Fax : +82-31-8026-7100
▲ E-mail : donguk.yeo@lignex1.com
▲ Homepage : www.lignex1.com
▲ Address : 333, Pangyo-ro, Bundang-gu, Seougnam-City, Gyeonggi-do, Korea (13488)
▲ Company Intro :

Having assisted the self-defence of South Korea over the last 38 years, LIG Nex1 now boasts a world-class workforce, technological prowess, and an extensive global network. These assets allow the company to develop and provide a comprehensive range of weapon-related solutions including Precision Strike Munitions, ISR, C4I, Electronic Warfare, and Avionic Components. With the accumulated experiences and technologies, LIG Nex1 has successfully demonstrated its capacity in terms of research and development, testing, production, and provides logistics support for the most advanced and sophisticated system.


MFD


FLCC


MC


HUD

MDS Technology Co., Ltd.

▲ Contact Person : Jungsik Choi
▲ Tel : +82-31-600-5126 ▲ Fax : +82-31-600-5001
▲ E-mail : jungsik@mdstec.com
▲ Homepage : www.mdstec.com
▲ Address : 3 & 4FL. Hancom Tower, 49, Daewangpangyo-ro 644 Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea
▲ Company Intro :

- Corporate Information
  - Location : Pangyo Seongnam-si, Korea / Business : Embedded Total Solution
  - Subsidiaries : Defense/Aerospace HW, Overseas(India, Malaysia, Singapore, Australia)
  - Realized Surplus for 17 consecutive years since corporation establishment
  - Financial Excellence: $84.3 Million in Net Asset(2014) & Credit Rating A+.
- Major Products
  - System SW for Defense/Aerospace
    - NEOS RTOS : DO-178B Level A Certification, POSIX Certification, GS(Good Software) Certification
    - NeoDDS Middleware : GS(Good Software) Certification
  - SW Development Solutions / Embedded & IT Solutions
  - Embedded Training & Service / Custom Boards for Defense & Aerospace

MIRAE AEROSPACE

▲ Contact Person : Jeong Sanghyeon
▲ Tel : +82-55-853-7475 ▲ Fax : +82-55-853-7426
▲ E-mail : je0ungsh@gmail.com
▲ Homepage : www.miraeaero.com
▲ Address : 33, Gongdan 5-ro, Sanam-myeon, Sacheon-si, Gyeongsangnam-do, Korea
▲ Company Intro :

- Products
  - Assembly Segments
    - A320 Wing Bottom Panel Assembly
    - A-10 OWP Spar, Sub Assembly
    - B747 Machined Frame Assembly
    - KUH [Cockpit / Cabin Door, Engine Cowling Etc.] Assembly
    - B737 Sub Assembly & Etc.
  - Machining Segments
    - KUH [Beam Aircraft]
    - Sukhoi [Edge Frame, Fitting End]
    - T-50 [Bracket, Frame, Fitting]
    - B777 [Closer Rib] & Etc.

A-10 Spar

A320 WBP

B747 Frame

KUH Cockpit Door

NAMYANG PRECISION, LTD

▲ Tel : +82-55-853-6996
▲ Fax : +82-55-853-6999
▲ Address : 86, Bangji-ro, Sanam-myeon, Sacheon-si, Gyeongsangnam-do, Korea
▲ Company Intro :

- Category : Airframe Parts
- Products :
  - B787-8 Wing Box/B787
  - Pivot Bulkhead Assy/Aircraft
  - Precision Machining Parts/Tooling

Navcours Co., Ltd.

▲ Contact Person : Heungkwon Lim
▲ Tel : +82-42-363-9000 ▲ Fax : +82-42-363-9001
▲ E-mail : sales@navcours.com
▲ Homepage : www.navcours.com
▲ Address : 66-6 Techno 2-ro, Yuseong-gu, Daejeon, Korea (34014)
▲ Company Intro :

Navcours is a defense company specializing in location and timing technologies with development and manufacturing capabilities. Our management comprised of national defense specialists put pride of contributing towards national security of Korea.
Major products include Multi-mode GNSS Chipsets, Custom-made High-performance GNSS/INS Integrated Navigation Systems, Special-purpose Multi-GNSS Antennas, Smart Anti-jamming Solutions(nulling antenna, CRPA based anti-jamming system, jammer locator, pseudolite, anti-jamming testing equipment, etc.) for ground weapon systems, precision guided weapons, air weapon systems, and electronic warfare and space launch vehicles.

- GNSS Sensing & Integrated Navigation(GPS/GLONASS/Galileo, GNSS/INS, GNSS/DR)
- Anti-jamming GNSS(Antenna Array, Jammer Tracking, Pseudolite)
- Aerospace & PNT Infra Solutions(GNSS/INS for Aviation, Radar Altimeter, DGPS)
- Others (Navigation M&S/HILS, GNSS Antenna/Splitter/Line-Amp, Timing)

NDT ENGINEERING & AEROSPACE Co., Ltd.

▲ Tel : +82-55-264-9200
▲ Fax : +82-55-264-9203
▲ Homepage : www.ndteng.co.kr
▲ Address : 654-3, Bongam-dong, Masanhoewon-gu, Chanwon-si, Gyeongnam, Korea
▲ Company Intro :

- Category : Precision manufacturing for airplane parts, Advanced CAD/CAM technique
- Products :
  - B787 BODY FR13-SIDE FRAME
  - B787 RWT CLOSURERIB
  - 747-8 WTE UPPER FITTING
  - 747-8 RWT SUPPORTRIB
  - 747-8 FTF AFT BULKHEAD
  - EMB 170/190 RIB1MACHINED/FLE
  - EMB 170/190 SKIN-BOTTOM
  - 747-8 FTF PART etc.


B787 Body FR13 Side Frame


B787 RWT Closure Rib


B787-8 WTE Upper Fitting


B787-8 RWT Support Rib

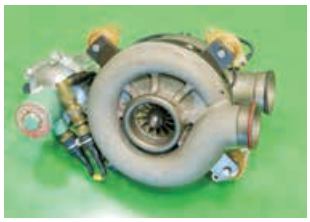

B787-8 FTF AFT Bulkhead


EMB 170, 190 Rib Machined ELE

Neuros Co., Ltd.

▲ Contact Person : Sung-Min, Ahn
▲ Tel : +82-42-865-7300 ▲ Fax : +82-42-865-7340
▲ E-mail : asmin@neuros.co.kr
▲ Homepage : www.neuros.co.kr
▲ Address : Daedeok Techno-Valley, Tamnip-dong 825, Yuseong-gu, Daejeon, Korea
▲ Company Intro :

Since the foundation in 2000, Neuros have been developing high value-added, high-tech products based on the technologies of aero turbine engine. Turbo blower and turbo compressor, which were released in 2004 and 2008, respectively, are environment-friendly and monumental energy-saving products. In 2009, ACM was developed which is one of the core components of the ECS for POD in the jet fighter. Moreover, we are preparing our second leap by applying our core technologies in the fields of energy and aviation defense industry such as UAV engine, ECS and ACM for aircraft



PSIONdsp Corporation

▲ Contact Person : Chanmi Kim
▲ Tel : +82-42-863-1171 ▲ Fax : +82-42-863-1178
▲ E-mail : kcm@psiondsp.com
▲ Homepage : www.psiondsp.com
▲ Address : (415, Migun Techno-World B/D, Yongsan-Dong) 199, Techno 2-ro, Yuseong-gu, Daejeon, Korea
▲ Company Intro :

PSIONdsp has been striving to provide customer with most reliable ruggedized displays,computers andother components especially for harsh environmental application.Our knowledge & experienc\-es has been based upon in-depth knowledge of displays, optics and signal interface. We design and develop the ruggedized products and solution 100% in house. PSIONdsp would keep trying to lead the trend of technology as total solution provider.

S&K Aerospace Co., Ltd.

▲ Contact Person : Hong-Joon, Song
▲ Tel : +82-55-855-2300 ▲ Fax : +82-55-855-2350
▲ E-mail : snkaero005@snkaero.co.kr
▲ Homepage : http://snkaero.co.kr
▲ Address : 66-6 Techno 2-ro, Yuseong-gu, Daejeon, Korea (34014)
▲ Company Intro :

Since its establishment in 2005, S&K Aerospace has been grown as an aerostructure manufacturing specialist in wing and fuselage parts and assemblies of commercial aircraft, and keeps challenging as always to create better customer value.
With the flagship products, A319/A320 Wing Top Panel, A380 Wing Bottom Panel and Fuselage Section Skins, S&K Aerospace has been supporting customers with the world best level of quality through continuous research, development and efficiency improvement. Especially, more than 2,500 cumulative shipsets of A319/A320 Wing Top Panel assembly have been successfully delivered to customer over the last 9 years. With this customer credit and reputation, S&K Aerospace has achieved a stable and substantial future sales volume for investment.
As All-In-One and One-Stop Solution, a Collective Production System certified by customer for processes and technologies enables S&K Aerospace to carry out the required works inside its own plants: Material Handling, Machining, Forming, Surface Enhancement, Chemical Processing, NDT, Assembling and Delivering. This system will make supply chain management much simpler and significantly contribute to customer satisfaction in terms of quality, cost, risk management and delivery.

SAMCO

▲ Contact Person : Jenny Lee
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▲ E-mail : hjlee@samcokorea.com
▲ Homepage : www.samcokorea.com
▲ Address : Haeansaneop-ro, sanammyeon, sacheon-si, 381, Korea
▲ Company Intro :

Specialized in Aircraft fuselage Assembly such as Door systems, Wing component and helicopter program. Machining and Sheet Metal capabiity.

- Category : Aircraft Door Systems, Wing Component Sub-Assemblies
- Products :
  - Aircraft Door Systems
    - Sukhoi Super Jet 100 Door Systems
    - Boeing 757 APU Door
    - Boeing 737 EE Door
    - Boeing 777 EEA / FA Door
  - Wing Structural Components
    - Boeing 737 Leading Edge & Spar
    - Boeing 767 Fixed Trailing Edge
    - Gulfstream IV Stang Beam
    - Gulfstream V Leading Edge
  - Flight Control Systems
    - KUH Flight Control System Sub-assemblies
  - Part Fabrication


Lever Assembly


Pedal Box(Pilot)


FCS Bay


Quadrant(FWD, AFT)

Samyang Comtech Co., Ltd.

▲ Contact Person : Chris Lim
▲ Tel : +82-2-3488-5585 ▲ Fax : +82-2-521-3218
▲ E-mail : richlim@samyangct.com
▲ Homepage : www.samyangct.com
▲ Address : 8F, Park B/D., 16 Banpodaero 27-gil, Seocho-gu, Seoul, Korea (06655)
▲ Company Intro :

For 50 years since founded in 1962, we, Samyang Comtech, have strived for performance upgrade of defense products. We put our concentration on manufacturing the products to enhance protective power and survival rate at battlefields. Especially, we provide PPE(Personal Protective Equipment) of using state-of-the-art material and manufacturing technologies to defend the enemy's threat, and the world-top equipment bulletproof solution to improve the protective power of main maneuver equipment. With such technical power, we have joined a tank development project. In the composite material part of aircraft, we manufacture and supply components of fixed wing and rotary wing which satisfy the quality requirement of Korean and overseas system integration companies. On the basis of accumulated experience and performance, we will continue our constant R&D efforts to achieve top quality for customer satisfaction.


LE Splice and Access Panel


Testing & Evaluation

Satrec Initiative Co., Ltd.

▲ Contact Person : Kim Ee Eul
▲ Tel : +82-42-330-6878 ▲ Fax : +82-42-365-7559
▲ E-mail : eek@satreci.com
▲ Homepage : www.satreci.com
▲ Address : 441 Expo-ro, Yuseong-gu, Daejeon, Korea
▲ Company Intro :

Satrec Initiative (SI) is the leading solution provider for Earth observation missions, offering customers worldwide high performance, cost-effective turnkey satellite platforms, electro-optical instrument, ground systems and components as well as training and consultancy services. Focusing sincerely on the customers' needs with innovative technologies, SI has delivered optimized high quality solutions to over 20 customers in the Middle East, Asia and Europe. SI has been working on various national and international space programs since its establishment. Through continuous technology innovation, productivity improvement, and cost reduction, SI is capable of providing the most efficient and integrated solution not only for Earth observation missions and applications, but also for defense systems. SI's main business area includes satellite systems and their applications. SI has been particularly focusing on integrated solutions for Earth observation missions using high-performance and cost-effective small satellite buses, Earth observation payloads, and ground stations.

SEOUL STANDARD Co., Ltd.

▲ Tel : +82-70-4648-5500
▲ Fax : +82-2-6116-6133
▲ Homepage : www.sstandard.co.kr
▲ Address : 3, 4 FL. Ace High-end Tower 9 Cha, 233, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea
▲ Company Intro :

- Category : Rugged Notebook Computer, Minimized Computer, Rugged Panel Computer, SI/NI Business, PC Sales and Maintenance
- Products :
  - Rugges Notebook
    - · STD-50K Military Grade
    - · STD-40K Industral Grade
    - · Minimized Computer
    - · Rugged Panel Computer
  - SI/NI Business

PanelPc

SEWOO AEROSPACE Co., Ltd.

▲ Contact Person : Byungdae Kwak
▲ Tel : +82-55-850-0706 ▲ Fax : +82-55-834-8493
▲ E-mail : byungdae@sewoo.biz
▲ Homepage : www.sewoo.biz
▲ Address : H23-17, Gongdan 1ro, Sanam-myeon, Sacheon-si, Kyeongsangnam-do, Korea

▲ Company Intro :

Advanced tube bending technology proven by KAI as 1st tier supplier
- Equipped advanced tube bending system : CNC bender & Measuring M/C- Various Swaging & end forming M/C's
- Delivered 100% tube assemblies to KAI for KF-16, T-50, KT-1, KUH, etc, Specialized tube & duct welding for aerospace purpose
- GTAW for Aluminum, Stainless Steel and Nickel Alloy
- Braiding for hot air duct assembly

Tube Assembly

Welded Assembly

Braided Assembly

SHINBO Co., Ltd.

▲ Tel : +82-31-468-2448
▲ Fax : +82-31-469-2446
▲ Homepage : www.shinbo.kr
▲ Address : 203-14, Anyang 7-dong, Manan-gu, Anyang-si, Gyeonggi-do, Korea

▲ Company Intro :

- Category : Embedded H/W·S/W, SUB System, Analog/Digital Video Recorder·GUI
- Products :
  - Single board computer, PCI Mezzanine Card, I/O Discrete Board
  - Video Splitter, Video Distributor, Video Storage Card
  - EOTS, MST, FLIR, APS, LWR, ICS, NIFF, DLTV
  - UPS
  - LWR Simulator, Fan Tray, Indicator

Single Board Computer

PCI Mezzanine Card

I/O Diacrete Board

SK CHEMICALS Co., Ltd.

▲ Tel : +82-2-2008-2008
▲ Fax : +82-2-2008-2009
▲ Homepage : www.skchemicals.com
▲ Address : 310 Pangyo-ro, Bundang-gu, Seongnamsi, Gyeonggi-do, Korea
▲ Company Intro :

- Category : Green Chemicals, Life Sciencel
- Products :
  - High Performance PETG, Polyester Binders, PET Resins, Carbon Fiber Composite, ECOZEN
  - Musculoskeletal, Gastrointestinal, Cadiovascular, Urology, Antibiotics, Blood Preparations, Vaccines, Parenteral Nutritions

Songwol Technologies Co.,Ltd.

▲ Contact Person : Park, Jun Hwan
▲ Tel : +82-55-854-0091 ▲ Fax : +82-55-854-0093
▲ E-mail : jpark8803@songwoltech.com
▲ Homepage : www.songwoltech.com
▲ Address : 40-14, Yeonkkot-Ro, 145beon-Gil, Jinju-Si, Gyeongsangnam-Do, Korea (52845)
▲ Company Intro :

Songwol Technologies specializes in manufacturing aircraft composite parts. We also contributing to a variety of industries including automotive and railway with specialized technologies such as VARTM, Filament winding, etc. The main products include: T-50 Engine Inlet Cover Screen, AH-64 Body Structures, B787 and B777 FTE Panels, Horse structure for screen riding. Songwol Technologies is fulfilling the strict quality system with AS9100, NADCAP certification. We'll set up our new manufacturing plant and advanced equipment for composite by Oct, 2016. We dream of becoming 'Global Top Maker'with an attitude of innovation and challenge in development of technologies.


Composite Accumulator


Helicopter Body Structures

Engine Inlet Cover Screen

Soosung Airframe Ind., Ltd.

▲ Contact Person : Cho Joonwoo

▲ Tel : +82-70-7010-7716 ▲ Fax : +82-55-719-9806

▲ E-mail : jcho@soosungair.com

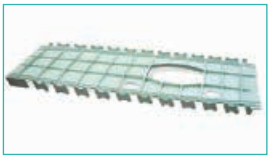
▲ Homepage : www.soosungair.com

▲ Address : 272-41, Bugwon-ro, Chilbuk-myeon, Haman-gun, Gyeongsangnam-do, Korea

▲ Company Intro :

Since its foundation on 1985, Soosung Airframe has been a reliable supplier of aerostructures for commercial, military and business jet aircraft. The company's customer base consists of the world's leading aerospace companies, such as Triumph, Spirit, Primus, NIPPI, KHI, L3-Commu\-nication. KAL and KAI. Headquartered in South Korea, the company has about 250 experience employees on 2 facilities.

- Products :
  - E500 Aileron, Flap, MLGD Detail Parts & Assembly
  - A318/319/320/321 Upper-shell Section #15 Detail Parts & Assembly
  - A319/A320/A340-600 Wing Top Stringers
  - A330/A340 Wing Bottom Stringers
  - A330/340 EIS Machined Ribs
  - B777-200/300 ER Machined Ribs
  - A320 Upper Shell Frame & Detail Parts
  - B747-400 Inter spar Wing Rib Detail Parts
  - B747 SUD & AFA Frame detail Parts
  - B767 Wing Center Section D&A Parts
  - ERJ-170/190 Fuselage Detail Parts



SP ELEMECH Co., Ltd.

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▲ Homepage : www.elemech.co.kr

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▲ Company Intro :

- Category : Military Power Supply, High Frequency Conversion Rectifier, Motors etc.
- Products :
  - Multi Fuction Radar for Korean mediumrange Surface-To-Air missile system
  - Short Range Tracking Radar for Korean Patrol Killer Boat
  - Korean Advanced Pilot Trainer(T-50)
  - Naval Combat Systems for Korean Destroyer(DDH)

T-50 Power Supply

Multi Function Radar for Korean medium-range Surface-To-Air missile system Power Supply

TAAS Co., Ltd.

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▲ Company Intro :

TAAS is one of the leading companies in design, development and manufacture of high technology Avionics and Military equipment for Aerospace and Defense industries in Korea. We have been dedicated to provide highly reliable and innovative electronic products for the Aviation/Military Agencies and industries since 2013, including participation in Korea Utility Helicopter (KUH) program.

• Business Area and Technology :
- Health & Usage Monitoring System
- Vehicle Information System : Data Acquisition and Caution
- Automatic Flight Control System
- Engineering Capability
  · Systems Engineering
  · Analog, Digital, FPGA, Firmware, Application Software, Mechanical Design & Development
  · Configuration Management, Reliability & Maintainability, Logistics Support
- Manufacturing Capability
  · Electronic Assembly(Certified to J-STD-001/IPC 610)Products
  · Electronic Testing(CCA Testing, Testing Equipment, Top Assembly Full Functional Testing, ESS Testing)

• Products :
- Products are specialized in Aerospace and Military applications including Health and Usage Monitoring System, Warning Panels, Automatic Flight Control System, Data Acquisition Unit, Integrated Vehicle Indicator under MIL-STD specification, and customized Integrated Test Sets.

MWP-Master Warning Panel

Uconsystem Co., Ltd.

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▲ Homepage : www.uconsystem.com/new/html/
▲ Address : 40-9, Techno 2-ro, Yuseong-hu, Daejeon, Korea (34015)

▲ Company Intro :

UCONSYSTEM CO., LTD.(herein after 'UCON') is specialized own technical experience for developing the Unmanned Aerial System, and a leading manufacturer for providing various kind of Unmanned Aerial Vehicles to Republic of Korea Army and Marine Corps for their successful surveillance & reconnaissance.
Main products are RemoEye-002B(UAV), RemoEye-006(UAV), TRotor(UAV) and Ground control station(GCS). For the first time in Korea, UCON exported GCS(Ground Control Station) to UAE for using Unmanned Aerial Vehicle in 2004, and supplies small UAV(Remoeye-006) to Marine Corps(ROKMC) from 2008.
Specially, UCON contracted with DAPA to supply small UAV to Army(ROKA) over 500 units in 2013. UCON is moving to strengthen own area through continuous of R&D for unmanned aerial system and surveillance & reconnaissance field.

RemoEye 002B

RemoEye 006

T-Rotor 020

GCS

UI Helicopter Co., Ltd.

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▲ Company Intro :

UI Helicopter Co., Ltd.(UIH), established in 1986 and approved by the ROK Government in 1987, is the premier helicopter MRO (Maintenance, Repair and Overhaul) company; Bell Helicopter's authorized Customer Service Facility and Finmeccanica's approved Service Center.
UIH has performed PDM (Periodic Depot Maintenance) which enables helicopters in fact to become as new aircraft in performance and appearance, and has delivered 331 UH-1H's with PDM completed to the ROK Army. UIH has also performed MRO works on over 500 civil helicopters.
With the professional experience and technologies accumulated over the past 30 years on helicopter MRO / Reverse Production / PDM and component repair & overhaul, UIH has full capabilities for helicopter MRO / Upgrade / Customizing & System Integration.




YEONHAB PRECISION Co., Ltd.

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▲ Company Intro :

- Yeonhab has been in defense industries over 36 years and manufacturing credible products
- Manufacturing build-to-print components (connectors, cables, and cable assemblies) and telecommunication equipment for the Army, Air Force, and Navy.
  - Number 1 manufacturer in connectors, cables, and cable assemblies
  - De-icing harness for KUH (helicopter)
  - Designing entire harness and manufacturing most of parts for UAV (ground control panel, transformer rectifier, battery charger control, power management, matrix box)
- Manufacturing Capability
  - Traceability and manufacturing process monitoring by Manufacture Management Team
  - Error proof and inspection process, quick after service by Quality Management Team


Harness for UAV PMU BCCU TRU Matrix Box


Coaxial Cable Teflon Wire YHSPD Cable Micro Coaxial Cale Fiber Optic Cable

YULKOK Ltd.

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▲ Company Intro :

Yulkok Ltd. has 20years of experience in machining aircraft high-precision parts & assembly. (T50 Center Fuselage, B737&P-8A Vertical Fin, Horizontal Stabilizer, B777FLE Ribs etc.,)
Provides Turn Key Base Service with minimizing indirect efforts & cost of Customer Continuous investment, based on a strong financial capability.
Yulkok will continue to invest to become a major "Integrated Airframe Company".

A350 Wing Rib

B787 Flap Support 3

T50 Center Section Assy

B737 Spar & Chord

www.seouladex.com

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Oct 17-22, 2017 / Seoul Airport

Korea Aerospace Industries Association

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