



Taiwan Space Industry Development Association

2025 Member Catalog

Taiwan Space Industry Development Association

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HsinChu 30078, Taiwan.

www.tsida.tw

Testing and Equipment
Components and Parts
Materials
Communication
System Integration
Satellite Application Services
Satellite Launch Services
Research Institute
Insurance and Safety

Taiwan Space Industry Development Association

2025 Member Catalog

Testing and Equipment

Components and Parts

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Communication

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Taiwan Space Capacities and Capabilities

2024 was a strong year for Taiwan's space industry, showing stable growth across satellite manufacturing, ground equipment, and satellite services. With a consistent annual growth rate of over 10% for four consecutive years, Taiwan's global market share rose to 2.8% in 2023. Here's a concise overview:

Satellite Manufacturing

Taiwan's northern regions continue to serve as an industry hub for satellite component production, particularly in satellite structures and payloads. While industrial clusters in city of Kaohsiung and city of Taichung contribute to satellite technology advancements, city of Taoyuan saw the highest increase in satellite manufacturing companies.

Ground Equipment

Ground equipment remains the dominant segment, accounting for 90.4% of the satellite industry and 88.9% of the overall space sector. The industry maintains strong global positions in satellite navigation chips, modules, and network equipment. Emerging markets in low-Earth orbit (LEO) communication satellite components, including RF modules and power supplies, show significant potential for expansion.

Satellite Services

The satellite services market saw new entrants. The major growth driver comes from satellite communications, though traditional satellite TV broadcasting declined by 43% due to changes in content distribution strategies. The largest cluster of satellite service providers remains in Taipei and New Taipei City, with expansion into Yilan County.

Launch Vehicle

Taiwan's launch sector, largely driven by government-led contracts, has attracted aerospace, composite materials, and precision manufacturing firms into the rocket industry.





Taiwan Space Agency

The Taiwan Space Agency (TASA) is the dedicated entity responsible for overseeing space affairs within Taiwan. Established in 1991, TASA transitioned into an administrative corporation under the aegis of the National Science and Technology Council (NSTC) in 2023.

Throughout the past three decades, TASA has cultivated independent satellite development capabilities through a series of successful satellite programs. These programs encompass FORMOSAT satellites 1, 2, 3, 5, and 7, in addition to the Triton satellite. FORMOSAT-1 served as a scientific satellite, FORMOSAT-2 and 5 were designated as remote sensing satellites, and FORMOSAT-3, 7, and Triton, on the other hand, have functioned as meteorological satellites.

Looking toward the future, TASA has embarked upon ambitious initiatives, including the FORMOSAT-8 optical remote sensing satellite constellation program, the FORMOSAT-9 synthetic aperture radar satellite program, the Beyond 5G (B5G) low-Earth orbit communication satellite experimental program, the small launch vehicle program, and the national launch site selection and construction program. These endeavors collectively aim to accelerate the development of Taiwan's space industry.





Taiwan Space Industry Development Association

The Taiwan Space Industry Development Association (TSIDA) is a non-profit organization established in 2019 under the initiative of the Taiwan Space Agency (TASA). Our mission is to promote the development of Taiwan's space industry and facilitate industrial exchange and cooperation both domestically and internationally. Our scope of work includes organizing exchanges between industry, government departments, and academia, as well as hosting domestic and international conferences and forums. As of January 2025, we have a total of 102 organizational members and 19 individual members.

Since 2023, with the transformation of the Taiwan Space Agency, our collaboration with TASA has become even closer. Together, we co-organized Taiwan's most important space industry event—the TAIWAN International Assembly of Space Science, Technology, and Industry (TASTI)—and hosted more industry matchmaking events with other countries.

Additionally, Taiwan enjoys a significant advantage in the field of ground equipment for the satellite industry, thanks to its technical strengths in the communications industry. The association aims to leverage this advantage to further expand international cooperation opportunities and promote cross-border collaboration. We look forward to Taiwan playing an increasingly important role in the international space industry chain and future developments.

Dr. Jong-Shinn Wu

The Director General of the Taiwan Space Agency (TASA) and the President of Taiwan Space Industry Development Association (TSIDA)

Taiwan's space industry, with its endless potential, stands ready to contribute to the global space sector. As the Director General of TASA and the President of TSIDA, I am privileged to lead these organizations at the forefront of Taiwan's flourishing space industry. The objective of international cooperation is not solely to advance satellite technology but also to effectively integrate Taiwan into the global space supply chain.

The space industry in Taiwan is undergoing rapid expansion, with satellites playing crucial roles in shaping the global space environment. We actively cultivate business partnerships through the platform offered by TSIDA. Taiwan has undeniably established itself as a strong contender in the space industry. Bolstered by a robust technological foundation, we are ready to seize opportunities in the continuously evolving space sector, propelling Taiwan's space industry to even greater heights.

Looking forward, we encourage innovative ideas and conquer technical challenges. We embrace international collaboration and look forward to partnering with organizations globally to engage in proactive strategies to explore space and collectively shape the course of space exploration and satellite technology.



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Professional Fields

Testing and Equipment

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

Advanced Material Systems Co., Ltd. (AMS) was established in 2006 and the company is located in Taoyuan, Taiwan. We are going to move to a new location in Chiayi during Q4, 2025 due to our business expansion. AMS's main products are aluminum alloy and carbon fiber high-pressure gas cylinders, for aviation, aerospace, industry, medical and entertainment sports. These products have obtained the certifications of EU/TPED(π), EU/PED(CE), UK/TPER(ρ), US/DOT, Canada/TC, Australia and New Zealand.

AMS is dedicated to investing in the aerospace field, cooperating with domestic and foreign research institutes and companies developing aerospace programs to develop a variety of satellites and commercial rocket products. Products on satellites include various ion thruster cylinders for satellites, which are used as power sources for satellite orbit maintenance and conversion.

Product/Service Highlights

1. Strong ability & knowledge design of RD with extensive experience in mass production and traceable In-house quality control.
2. Products on satellites have been launched into low orbit by customers and successfully tested, establishing low-orbit satellite operation performance.
3. AMS has jointly researched and developed with various domestic academic and research institutions. AMS has made a number of rocket engines, large oxidizer tanks, and rocket structures, as well as other related component parts completed the goal of fully independent production.



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Professional Fields

Components and Parts

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment

Description

AEGIVERSE Fiber optic gyroscope (FOG) has high-quality performance, holds 21 key invention and design patents, and has design/manufacturing ability from chip to FOG.

We localize our supply chain, R&D, production capabilities and OEM/ODM capabilities in Taiwan to meet the requirements of domestic and foreign customers.

Product/Service Highlights

We redesign with the concept of integrated packaging, simplify the process through special mechanism design, reduce the cost of chips and packaging, and provide users with high-precision, high-reliability, and economical inertial positioning solutions.



IRIS series Fiber Optic Gyroscope Inertial Measurement Unit
3 axis optical inertial rotation sensor with accelerometers



ZP series Fiber Optic Gyroscope
1 axis optical inertial rotation sensor



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Professional Fields

Testing and Equipment,
Components and Parts,
Materials, System Integration

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

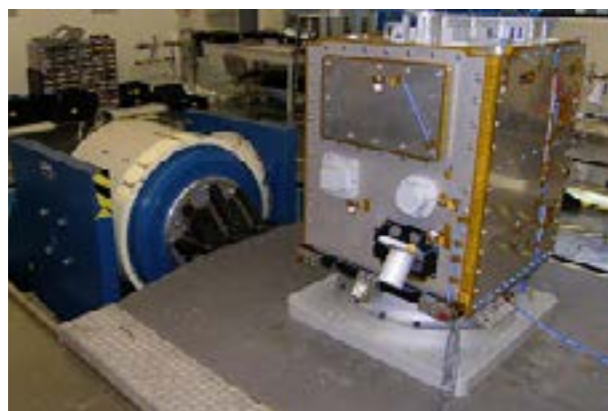
AIDC was founded in 1969, and was officially listed on the Taiwan Stock Exchange on August 25th, 2014.

AIDC has dedicated to the aviation industry which has well-equipped AIDC with the expertise and capability in aircraft system integration, aircraft development, parts manufacturing, aircraft assembly, testing and verification. AIDC has core strengths and competencies, and effectively consolidated its industrial capabilities and has reinforced alliances with its valued partners both domestic and foreign to maximize use of existing resources to effectively meet or exceed ever increasing customer demands in Quality, Performance and Price.

AIDC has outstripped its competitors in the Asia-Pacific region and acceptance from the global aerospace community as a valuable supplier.

Product/Service Highlights

1. Defense industry includes the manufacturing maintenance, and performance upgrade of drone and domestic military aircrafts, production of military hardware by private sector, and military aircraft engines.
2. Commercial aviation business includes the design and OEM production of airframe structure and sub-assembly parts, and the design, processing and OEM production of international commercial aircraft engines and parts and components.
3. Satellite structure components/circuit boards/harness design, manufacturing and testing work.



Satellite Structural Components



Circuit Boards



Auden Techno Corp.

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Professional Fields

Testing and Equipment,
Communication, System
Integration

Satellite Industry Association (SIA) - Industry category

Satellite Ground Segment

Description

Established in 1981, Auden Group is a leading innovator in wireless and satellite communication technologies. Based in Taiwan, the company specializes in 5G NTN solutions, phased array antenna design, and advanced testing expertise. Auden's contributions drive RF connectivity innovation for B5G/6G networks, supporting seamless global communication. With expertise in antenna design, system integration, product testing, and green energy, Auden plays a pivotal role in enabling the future of connectivity and advancing the space and communication industries worldwide.

Product/Service Highlights

It is constructed with durable aluminum chassis and is configured to function right out of the box, self-pointing to the satellite constellation.

Centauri, Compact LEO User Terminal

- 32 x 32 TRX antenna array (Ku band) or full duplex TX RX with onboard UDC (Ka band).
- Ultra-thin thermal design; compact and portable.
- Quick setup with integrated design.

Azimech, COTM User Terminal

- 32 x 32 antenna array with 3D beamforming and scanning.
- Ultra-thin thermal design; compact and portable.
- Quick setup with integrated design.
- Patented module box design for easy baseband switching.



Centauri, Compact LEO User Terminal



Azimech, COTM User Terminal

BizLink

BizLink International Corp.

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Professional Fields

Testing and Equipment,
Components and Parts,
Communication, System
Integration

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

BizLink, founded in 1996 and headquartered in Silicon Valley, is a global leader in interconnect solutions. We specialize in wire harnesses, connectors, and cables for industries such as automotive, IT, healthcare, industrial, and aerospace, simplifying complex connections and ensuring adaptability for diverse applications. Our commitment to quality and sustainability drives us to deliver reliable, cutting-edge solutions. With a global presence across America, Europe, and Asia, we drive innovation, offer zero-distance service, and turn possibilities into world-changing visions.

Product/Service Highlights

- Space Assemblies & Harnesses**
BizLink provides lightweight, durable harnesses and assemblies for space applications. Certified to ESA ECSS-Q-70, they resist extreme conditions and offer versatile configurations.
- ParaLink High-Speed Cables**
BizLink's ParaLink cables support 224 Gbit/s satellite communication. Lightweight and ISO 9100-certified, they ensure reliability.
- Onboard Data Network(ODN) Cable**
BizLink's Cat5-like cables are cleanroom-ready, lightweight, strong, low-outgassing, and heat-resistant, meeting strict standards.



Space Assemblies & Harnesses

ParaLink High-Speed Cables

Onboard Data Network(ODN) Cable



Chunghwa Telecom Co., Ltd.

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Professional Fields

Communication, System
Integration, Satellite
Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Ground Segment,
Satellite Services

Description

Chunghwa Telecom is the largest integrated telecommunication service provider in Taiwan, with leading offerings in domestic and international fixed communication, mobile communication, broadband, and internet services. In addition to these traditional services, the Company also provides information and communication technology services to enterprise customers with big data, information security, cloud computing and IDC capabilities, and is expanding businesses into innovative technology services such as IoT, AI, etc. All of these capabilities and offerings aim to create an optimal communication environment to enable wonderful and convenient digital life-style, as well as to serve as a key partner for other international telecommunication service providers.

Product/Service Highlights

CHT partners with leading international satellite operators to offer multi-orbit satellite communication services, building a robust satellite supply chain with domestic manufacturers to enhance Taiwan's resources across land, maritime, and aviation applications. This demonstrates CHT's comprehensive satellite communication capabilities and strengthens its leadership in Taiwan's satellite application sector. CHT actively drives and expands satellite applications, partnering globally to promote Taiwan's satellite industry worldwide.



Chunghwa Telecom offers multi-orbit satellite communication services.

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Professional Fields

Communication, System
Integration, Satellite
Application Services

**Satellite Industry
Association (SIA) -
Industry category**

Satellite Ground Segment

Description

Established in 1984, COMPAL has grown to the worldwide leading computer and smart devices manufacturer, which is ranked as a Taiwan Top 6 large scale manufacturer and a Global Fortune 500 company. COMPAL invests in product diversification for years and starts its 5G technologies business since 2018. It offers wild solutions and complete portfolio, including 5G O-RAN, 5G small cells, 5G wireless modules as well as 5G smart wearable devices, satellite user terminal equipment and IoT solutions. With a comprehensive product portfolio that covers various domains, COMPAL is steadily advancing its leadership position in the field of 5G applications.

Product/Service Highlights

The Hestia NTN Satellite IoT Dongle, compliant with 3GPP Release 17 and powered by the MT6825 NTN chipset, merges IoT wide-area communication with satellite networks' two-way capabilities.

1. Plug and Play: RS-485: 4-PIN [VCC, A+, B-, GND], supporting Modbus-RTU & ASCII communication protocols.
2. Global Communication: Hestia complies with the 3GPP wireless standard Release 17 and includes optional LPWAN modules for various local network connections.
3. Reliable Coverage: Utilizing GEO satellite signals, Hestia provides dependable global network services.

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Professional Fields

Components and Parts

**Satellite Industry
Association (SIA) -
Industry category**

Satellite Manufacturing

Description

Control Optics Taiwan (COT) was established in 1986. We are one of the major manufacturers of optical lenses and components in Taiwan.

We specialize in design, and manufacturing customized optical components to meet customers' requests. We have a full set of optical processing equipment such as cutting, grinding, polishing and coating machines. Our products are sold to Europe, America, Asia.

Product/Service Highlights

Our products include high precision mirrors, many types of lenses, prisms, light pipes, filters, integrated lens array (fly's eye lens), glass plates, and windows in optical glass and IR material for industrial, commercial, and medical use.

1. Producing of large size aspherical optic up to D800mm
2. OEM for weight reduction and acid etching
3. High precision grinding and polishing for large size reflector
4. Producing large size spheric and aspheric optic
5. 3D measurement for large size optic
6. Aerospace telescope assembly and testing



Hestia NTN satellite IOT Dongle



Fishery Monitoring



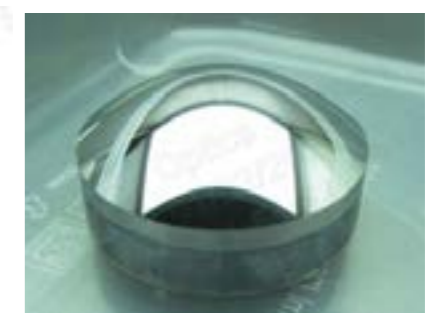
Environmental Monitoring



Large reflector with wieght deduction



Aspherica reflector with weight deduction



Aerospace telescope assembly and testing



Double Advance Technology Ltd.

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Professional Fields

Testing and Equipment,
Communication, System
Integration, Satellite
Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Ground Segment

Description

Double Advance Technology Ltd. has been established for nearly 30 years. Initially focused on test equipment, the company has expanded into satellite communication integration over the past decade. It has successfully built more than 30 satellite ground stations both domestically and internationally. Its customer base includes military organizations, government agencies, telecommunications companies, TV stations, and private enterprises.

As an agent for leading brands, Double Advance leverages its professional expertise and extensive practical experience to deliver high-quality, comprehensive satellite communication system planning and construction services.

Product/Service Highlights

Satellite Communication System Integration: Specializing in the integration and implementation of advanced satellite communication systems.
System Integration Solutions: Offering tailored system integration services.

Software Development: Developing custom system integration solutions to meet specific business needs.

High-Quality Hardware Devices: Representing leading brand equipment, providing integrated systems, and delivering technical support and services.

Technical Consulting Services: Offering expert consulting and technical support.



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Professional Fields

Materials

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

Epotech Composite Corporation provides prepreg materials that are impregnated with our own developed resin systems for wide range applications of aerospace, defence, industry, automotive and sports.

Product/Service Highlights

Epotech Composite Corporation provides materials for:

(1) Space application: optical benches, solar array substrates, struts and booms for deployable instruments, fuel tanks and payloads for launch vehicles.

(2) UAV application: fuselage, wings, landing gears, radomes, propellers and etc. for large aircrafts and medium/small size drones.

Towpreggs and tapes materials can be applied on pressure vessels used in vehicles and rockets by AFP, ATL or filament winding process. We also provide customized services for different functional requirements.



Composite Parts for Optical Payload Application



EW JET PRODUCTS Co., Ltd.

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Professional Fields

Testing and Equipment, System Integration, Research Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing, Satellite Ground Segment

Description

EW JET PRODUCTS Co., Ltd. specialize in the design, development, testing and manufacturing of thermal devices and materials. With a focus on research and development, our products include aluminum-ammonia heat pipes, honeycomb sandwich panels, and phase change material (PCM) based thermal energy storage systems. By following to rigorous international standards, we aim to deliver high-performance and reliable solutions to meet our clients' diverse needs. We are also available to assist clients and/or 3rd-parties to conduct thermal performance testing programs.

Product/Service Highlights

1. Aluminum-Ammonia Heat Pipe

High-performance aluminum-ammonia axial grooved heat pipes (AGHPs) with thermal conductivity up to 120 kW/mK and a maximum power input of 450 W, available in 17 mm or 8 mm with lower conductivity. Thoroughly tested per ECSS and ESA standards, including pressure, helium/ammonia leak, performance, aging, and NCG tests.

2. Embedded Al-NH₃HP Honeycomb Sandwich Panel

Integrates Al-NH₃ heat pipes into honeycomb panels for lightweight, robust thermal management in high-performance heat sinks or cold plates.

3. Phase Change Material-Thermal Energy Storage (PCM-TES)

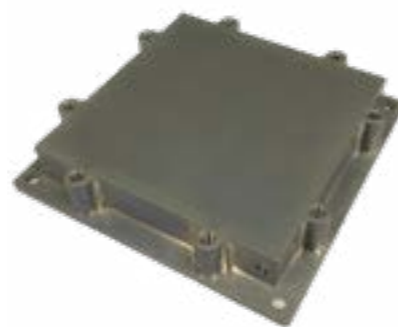
Stores/releases energy via PCM latent heat, ideal for energy storage and temperature stabilization.



Aluminum-Ammonia Heat Pipe



Embedded Al-NH₃HP Honeycomb Sandwich Panel



Phase Change Material-Thermal Energy Storage (PCM-TES)



FAIR POWER TECHNOLOGIES CO., LTD.

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Professional Fields

Testing and Equipment, Components and Parts, Materials

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

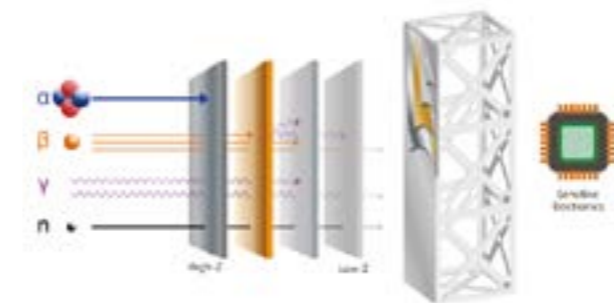
Description

FAIRPOWER developed the space tribology and dry film aerospace lubricant by using a novel Kinetic-Fusion-Technology, which can use single solid lubricant and composites. It does not only meet the quality of Dicronite®, but also improve the thickness and material structure to extend the operation lifetime.

With the same novel Kinetic-Fusion-Technology, we develop an innovative radiation shield made by multilayer metal materials. It is a new, low cost and easy to implement method to protect Cubesats and Smallsats electronic circuits from ionizing radiation found in Low Earth Orbits. It is estimated that this approach can extend the life of Cubesats and Smallsats electronic components from 3 months to years.

Product/Service Highlights

Space tribology, Dry film aerospace lubricant
Satellite Radiation Shielding (T-Shields, multilayer metals)



Satellite radiation shielding (T-Shields, multilayer dissimilar metals)



Space tribology, solid lubrication and nano-lubrication technology



Formosa Plastics Corporation (FPC)

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Professional Fields

Testing and Equipment,
Materials, Research Institute

Satellite Industry Association (SIA) - Industry category

Description

Formosa Plastics' TAIRYFIL process is fully integrated from self-developed PAN precursor to carbon fiber. In-house technology, science-based analysis and smart manufacturing concepts realize here.

1. Introducing AOI to monitor the process stability and incubating R&D capabilities for resin formulation.
2. Providing production line for prepreg and pultruder for profiles and validation by testing machine to meet customers' needs.
3. High-Valued instruments including FE-SEM, XPS, AFM, NMR, XCT, XRD, etc.

The two production bases are Renwu and Mailiao.

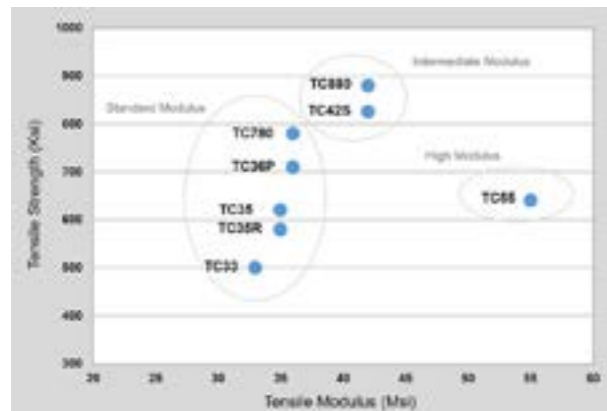
1. The Renwu Technical Department is an innovation center with resin development and open for collaborations.
2. Mailiao has the most comprehensive testing center for valuable instruments that conducts complete analysis for carbon fiber.

Product/Service Highlights

Formosa Plastics has a complete range of carbon fiber (TAIRYFIL) products from 1.5K to 48K, standard strength to medium-high modulus. The medium-high modulus TAIRYFIL have applied in FORMOSAT-8.

We newly developed TC780 made by dry-jet wet spinning process. With 99% roundness, stable quality and higher strength, TC780 is widely used in the hydrogen energy industry. In June 2021, TC780 high pressure Krypton vessel successfully accomplished space rideshare missions.

On the basis of TC780, we launched high strength intermediate modulus TC880. With excellent abrasion resistance and processability, TC880 is tailor-made for high-performance and weight saving application further.



Various grades TAIRYFIL carbon fiber and newly developed TC780 & TC880.



TAIRYFIL is fully vertically integrated from precursor to carbon fiber.



GCOM Technologies

Contact

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Point of Contact

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Professional Fields

Testing and Equipment,
Communication, System Integration, Satellite Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Services

Description

GCOM Technologies is a distributor located in New Taipei City, specializing in telecom test equipment with more than 25 years of experience. GCOM's growth has evolved with the rapid advancement of communications and leverages its expertise in agency business to provide customers with professional instrument products and market information consulting.

The latest related technologies and applications include GNSS, timing, PNT LEO, 5G, ORAN, Automotive, WiFi and Information Security. GCOM can provide the clients with comprehensive services and support. The main suppliers include Spirent Communications and Black Duck Software.

Product/Service Highlights

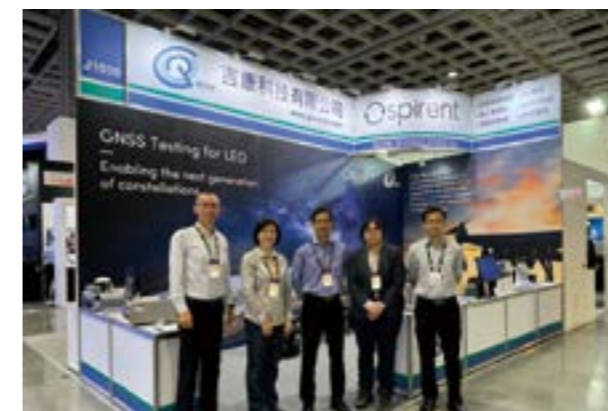
Distribution Service
Testing and Equipment

Application:

Training, deployment and installation services.

From smartphones to autonomous vehicles, modern applications are demanding greater accuracy and robustness in positioning, navigation, and timing. The expertise we are specialized in are the areas listed as follows:

5G cellular, 5G networks, GNSS satellite, Positioning and Timing, PNT LEO, O-RAN base station, Automotive, WiFi7, Mesh Networks, Information Security, Software Development, Smart Energy, TSN/AVB. Hardware-in-the-loop (HIL), Sensor, Automation Tool.



AIOT_2024 AIoT Taiwan & TAITRONICS



TASTI EXPO_ TASTI 2024 EXPO

GEMINISAT Geminisat Co., Ltd

Contact

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Professional Fields

Testing and Equipment,
Components and Parts,
Communication, System
Integration, Satellite
Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Ground Segment

Description

Geminisat Co., Ltd is a cutting-edge technology company established in response to the rapid advancements in global satellite communication industry. With our professional and innovative R&D capabilities, we have formed strategic alliances with key partners, enabling us to integrate satellite services and R&D resources from renowned U.S. satellite companies such as Iridium and Intelsat (which has incorporated OneWeb's LEO satellites).

As the sole company in Taiwan capable of establishing connections with these satellite companies' servers, Geminisat is uniquely positioned to provide customized antenna design, R&D, and system integration services for satellite terminal systems applicable to GEO, MEO, and LEO satellites.

Through strategic partnerships with industry leaders, including Samsan Enterprise, Taiwan's largest satellite service agent, and BWant Co., Ltd, a provider of comprehensive OTA (Over-the-Air) measurement technologies in the communication field with capabilities extending to terahertz levels, Geminisat has solidified its position as a leading company in the R&D, design, and manufacturing of professional satellite communication antenna systems and terminal equipment.

Product/Service Highlights

System integration services for satellite communication. User terminal integrate with IPC. Available for GEO / MEO / LEO applications. Customized Antenna Design.



Industrial Technology Research Institute (ITRI) Taiwan LEO Satellite Industry Alliance (TLEOSIA)

Contact

Headquarters

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Website

<https://tleosia.org/>

Professional Fields

Testing and Equipment,
Components and Parts,
Materials, Communication,
System Integration, Satellite
Application Services, Research
Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment,
Satellite Services

Description

Founded in 1973, the Industrial Technology Research Institute (ITRI) is Taiwan's largest and one of the world's leading high-tech applied research institutions. The organization is committed to utilizing its R&D results to drive industrial development, create economic value, and enhance social well-being.

ITRI is dedicated to commercializing R&D achievements, cultivating exceptional talents, and providing comprehensive industrial services and business consultancy. The Commercialization Industry Service Center (CIS) in ITRI helped promote the industry on the frontline. Successful examples such as open lab and incubator have fostered emerging industries and startups including well-known names such as UMC and TSMC.

Product/Service Highlights

To facilitate development of satellite communication and applications in Taiwan, ITRI established TLEOSIA (Taiwan LEO Satellite Industry Alliance) in November 2020. TLEOSIA promotes the development of Taiwan's space industry with Taiwan's semiconductor and ICT capabilities. It matches satellite companies with competent supply-chain manufacturers and explores collaboration opportunities through strong connections with government, industry, and academia.



TASTI 2024 Satellite Communication Industry Forum



TELESAT-ITRI MOU Signing Ceremony



INTAI TECHNOLOGY CORP.

Contact

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Professional Fields

Testing and Equipment,
Components and Parts,
Communication, System
Integration, Satellite
Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Ground Segment

Description

INTAI was founded in 1988 as a precision fastener manufacturer. Today, headquartered in Taichung, Taiwan, with over 760 employees, we offer a wide range of products serving industries such as automotive, aerospace, precision hardware, medical device and electronic communication.

Product/Service Highlights

RF Switch & Switch Matrix

Develop and manufacture customized microwave components. Delivering solutions through our integrated RF & Microwave manufacturing services for commercial, wireless, automotive and telecommunication industries.

InConnect DAS

InConnect DAS is an innovative 5G active indoor signal coverage system that widely used 5D coaxial cable and weak electricity construction. The active antenna in the system end can provide intelligent Gain Compensation and no need for complex link budget calculation. It is a perfectly solution to assists enterprises, warehouses, and factories in quickly deploying 5G/LTE indoor signal coverage.

InConnect Portable Satcom Terminal

InConnect Portable Satcom Terminal deploys horn waveguide array Antenna, which features integrated structural design and high gain. The unique embedded system design and HMI displays that is providing users easy to operate. InConnect portable satcom terminal is fast, simple and easy to deploy which can suitable for emergency services, military, government and enterprise communications.



RF Switch & Switch Matrix



InConnect DAS



InConnect Portable Satcom Terminal



(iST) Integrated Service Technology

Contact

Headquarters

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Point of Contact

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Professional Fields

Testing and Equipment

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

iST is Asia's most comprehensive third-party laboratory for space environment testing. In 2019, iST collaborated with the Taiwan Space Agency (TASA) to promote the development of Taiwan's space industry. Since joining the Taiwan Space Radiation Environment Testing Alliance in 2021, iST has completed radiation tests for various electronic components, including analog, digital, memory, RF, and power devices.

iST assists domestic and international manufacturers in conducting space environment tests, allowing them to focus more on product design and manufacturing.

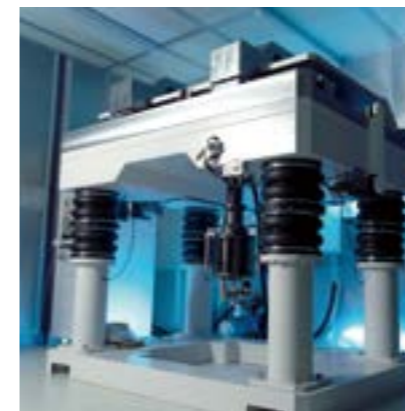
Product/Service Highlights

The best partner of the space industry, your space journey starts here.

With the advent of the space economy era, it has become a trend to use commercial, automotive and military electronic components to perform space missions. We provide various specifications of electronic component verification and testing solutions.

Launch & Space Environmental Test

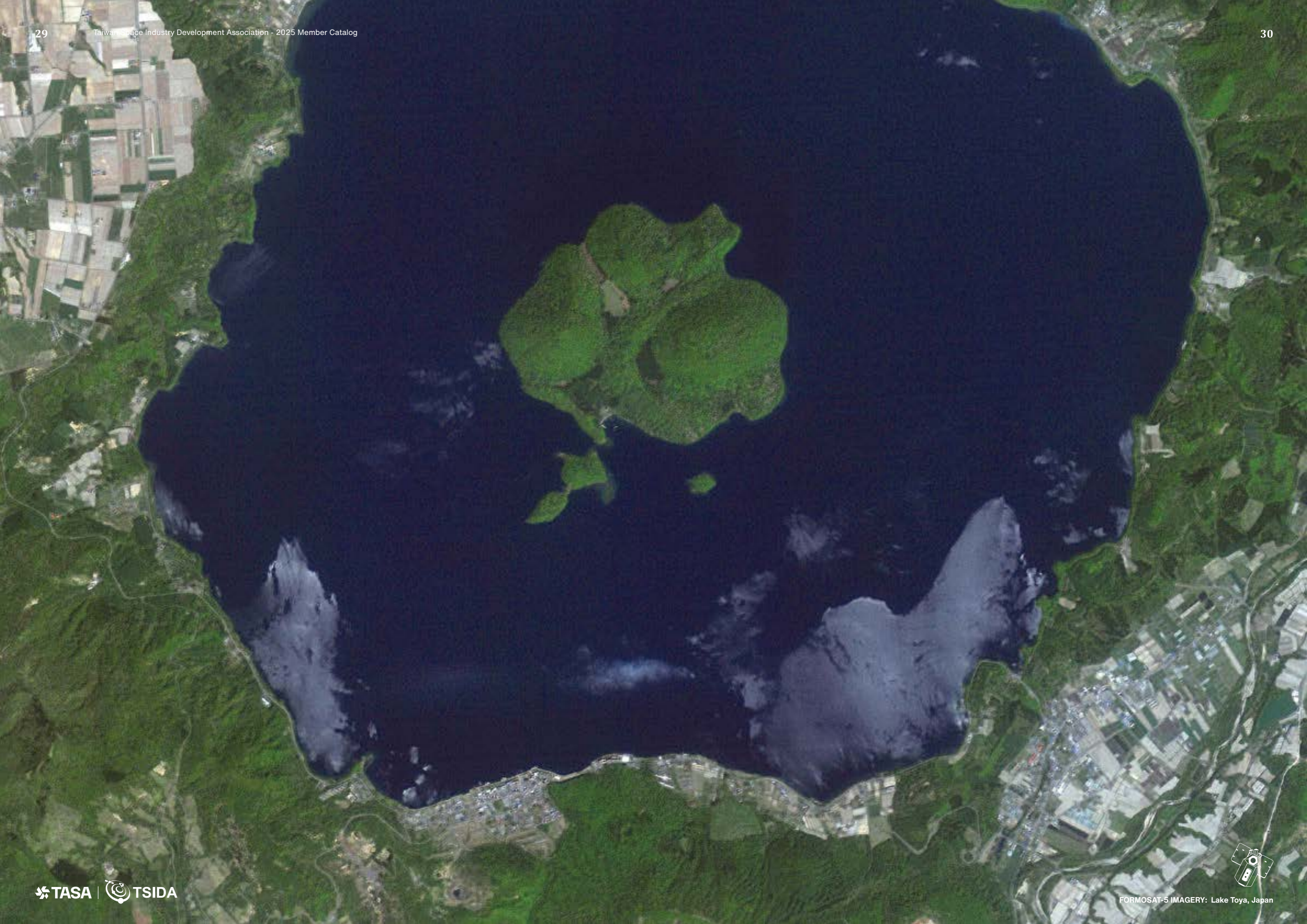
- Radiation Testing (TID/SEE/DD)
- Thermal Cycling Testing
- Thermal Vacuum Cycling Testing
- Sine/Random Vibration Testing
- Sine Burst Testing
- Pyroshock Testing
- EMC Testing



iST Space Environment Test Lab.



iST enhances space environment testing with comprehensive one-stop services.



JetSoft Jetsoft Technology

Contact

Headquarters

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Point of Contact

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Professional Fields

System Integration

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

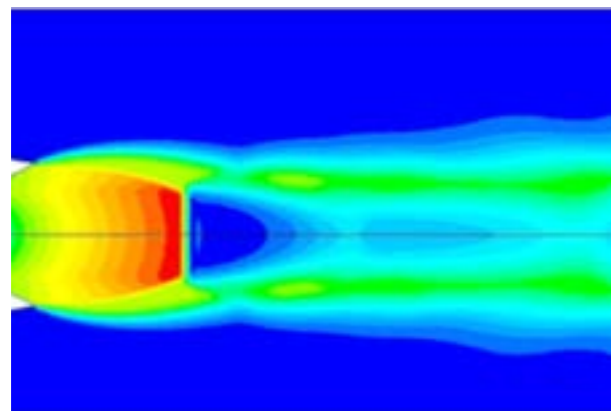
Established in 2007, Jetsoft Technology Co., Ltd. is the top all-round CAD/CAE/CAM/PLM software solutions provider in Taiwan, fully devoted in providing total solutions for enterprises to satisfy their product development process. The headquarters of Jetsoft Technology is established in Taipei, with two branch offices located in Taichung and Tainan. Currently, Jetsoft Technology has serviced over thousands of enterprises, forming solid strategic partnerships with ANSYS, PTC, OPEN MIND and INNEO.

The ANSYS solution we are fully geared towards offering include Structural, Multibody Dynamics, Thermal, CFD, Moldflow, Acoustic, Vibration, Multiphysics, etc. Our core strength covers a plethora of advanced technological fields, such as electronics, medical/industrial equipment, engineering machinery, aerospace, ThingWorx, automotive Transportation & mobility etc. Here at Jetsoft Technology, we're 100% dedicated in providing essential services for the entire R&D process.

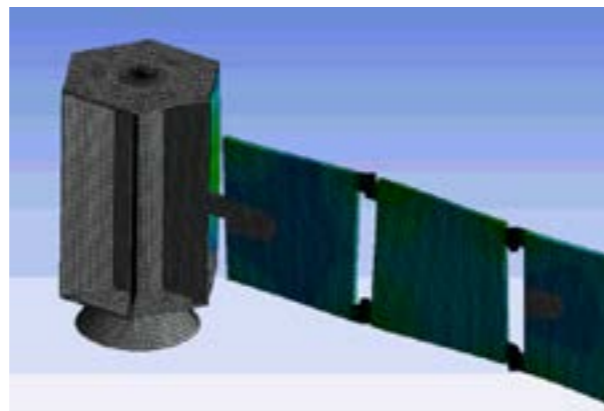
Product/Service Highlights

High Fidelity Solutions for Satellite Applications:

1. Mechanical Structure Design: Topology Optimization, Composite Structure Analysis, Static Analysis, Vibration Analysis...
2. Fluent (CFD simulation): Aerodynamics, Propulsion system, Combustion chamber, Cavity flow field, Fluid-Structure Interaction
3. System-level thermal (Thermal desktop): Radiator, Insulation, Orbital heating, Heaters Solar Radiation
4. Electromagnetic: RF Component Design(Antenna/Filter), Signal Integrity & Power Integrity



Plume composition and radiation



Satellite with Solar Panel Modal Simulation



Jonsa Technologies Co., Ltd.

Contact

Headquarters

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Professional Fields

Testing and Equipment,
Communication, System
Integration, Satellite
Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Ground Segment

Description

Since 1989, JONSA has been a satellite antenna supplier in Taiwan. With our patented RF, object-oriented design and stable raw materials, JONSA can manufacture high-quality parabolic dish that includes DTH, VSAT, WISP, Flyaway, and Maritime antenna.

These antenna products are extensively applied to the commercial, offshore/oceanic environment, Internet service, emergency communications, weather data analysis and so on.

Our monthly production capacity has been over one million in a variety of antenna products, and JONSA is looking for the partners to cooperate internationally.

Product/Service Highlights

0.6M/0.9M Auto or Manual Flyaway antenna — Flyaway applies to the war zone for military communications and broadcast media, and it is extremely portable and supports manual, auto and one button capture satellite within 3 minutes.

0.6M/0.9M Ka and Ku band Maritime with radome — Maritime is suitable for merchant vessels, fishing, luxury yachts and more, and it can achieve the image, voice, and data transmission with high speed as well.

Not only can it provide the tracking function, but it can also enhance the precision.



- 0.6M/0.9M Auto and Manual Flyaway
1. Ring focus antenna with 8 segments reflector
 2. Carbon fiber reflector with light weight, high strength and one person can finish the installation within 3 minutes.
- VSAT (E74/97/120) antenna
1. Customized VSAT antenna products
 2. Correspond with electronic devices, such as integrated LNB and Feedhorn
- 0.6M/0.9M Ka and Ku band Maritime with radome
1. High gain and carbon fiber antenna
 2. Support beacon receiver, DVB, and digital tracking system



Keysight Technologies Taiwan LTD

Contact

Headquarters

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<https://www.keysight.com/us/en/industries/non-terrestrial-networks.html>

Professional Fields

Testing and Equipment

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing, Launch Services, Satellite Ground Segment, Satellite Services

Description

At Keysight (NYSE: KEYS), we inspire and empower innovators to bring world-changing technologies to life. As an S&P 500 company, we deliver market-leading design, emulation, and test solutions to help engineers develop and deploy faster, with less risk, throughout the entire product lifecycle.

We're a global innovation partner enabling customers in communications, industrial automation, aerospace and defense, automotive, semiconductor, and general electronics markets to accelerate innovation to connect and secure the world. Learn more at www.keysight.com

Product/Service Highlights

Keysight provides comprehensive satellite test solutions, from simulation, design, to mass production testing.

1. Prototype and design platforms for complex RF systems in NTNs.
2. RF Transceiver, Component and Device Chipset Test
3. RF channel emulation for direct-to-device NTN service testing in the lab
4. Device RF and Protocol Compliance
5. Real-Time NTN Signaling Analysis
6. Validate NTN end-to-end performance with up to thousands of UEs.
7. Model and emulate NTN and terrestrial network interoperability.

Explore more Keysight's NTN at

<https://www.keysight.com/tw/zh/cmp/2023/ntn.htm>



KING DESIGN INDUSTRIAL CO., LTD.

Contact

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Website

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Professional Fields

Testing and Equipment, System Integration, Research Institute

Satellite Industry Association (SIA) - Industry category

Satellite Ground Segment

Description

KING DESIGN was founded in 1983, a world-famous own brand manufacturer of testing equipments in the field of vibration, shock, drop, solar cell and environmental test, which providing total solutions of test and measurement instruments, as well as custom made one-stop systems for various technology industries. With more than 30 years of relative experiences, King Design has been a solid expert and highly respected market leader.

Product/Service Highlights

PV Test Equipment, Vibration Tester, Shock Tester, Bump Tester, Drop Tester, PyroShock Tester, Temperature, Humidity and Relevant Environmental Test, Special Design Test Equipments.

Laboratory Test Service: Vibration, Shock, Drop, Jumping, Temperature & humidity test, Carton pressure-resisting test, Dynamic analysis, Calibration, Aerospace Test Solutions: ACS Features and benefits

- Wide range of TVC sizes, with diameters ranging from under 1m up to 10m
- High quality and vast experience in vacuum pumping systems
- High quality of black shroud paint with a solution for low outgassing at maximum temperatures (>+150°C) according to ESA standard ECSS-Q-ST-70-02C
- Special shroud design to withstand the highest heat dissipations (>5 kW/m2) Special attention to minimizing consumption through hardware solutions and software management of the plant
- Integrated control and monitoring system totally developed by ACS
- Special attention to and experience in redundancy aspects
- Full capability for supplying turnkey systems



End to End Test Solutions Across Workflows



EGSE, SCOE and Configured Test Systems



Aerospace Test Solutions



6-DoF ED-HALT



Labstek Technology CO.,LTD.

Contact

Headquarters

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Point of Contact

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ryan@labstek.com.tw

Website

-

Professional Fields

Testing and Equipment,
Components and Parts

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

Labstek Technology Co., Ltd. is a premier provider of test interface solutions for integrated circuit (IC) products in semiconductor industry. As a specialized supplier of load boards and probe cards for the IC testing industry, we also provide services for consumer electronics & military & aerospace products. We deliver comprehensive services to customers worldwide. Our experienced team ensures a seamless process, covering design, fabrication, and assembly to meet the diverse needs of our clients.

Our experienced team excels in managing the entire design cycle to deliver high-quality load boards, probe cards, and dut boards which covering various testers, handlers, and probers, ensuring optimal performance and reliability.

Product/Service Highlights

Our services include:

1. Design: Comprehensive PCB design, including normal PCBs, burn-in boards, probe card PCBs, and load boards.
2. Manufacturing: Precision fabrication of normal PCBs, burn-in boards, probe card PCBs, and load boards.
3. Assembly: Expert assembly of normal PCBs, burn-in boards, probe card PCBs, and load boards to meet rigorous industry standards.



LEDlas Corp.

Contact

Headquarters

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Professional Fields

Testing and Equipment,
Components and Parts,
Communication, System
Integration, Satellite
Application Services, Research
Institute

Satellite Industry Association (SIA) - Industry category

Satellite Services

Description

LEDlas was founded in August 2024, the company emerged from the esteemed HOPE Laboratory at NTHU and the germination program of NSTC. LEDlas have two main products which are LED-pumped laser gain module and LiDAR & rangefinder. The world's first Megawatt LED-pumped laser provides you with endless potentials and unprecedented opportunities. It offers superior stability, high reliability, ultra-long lifetime, and low maintenance cost. We designed LiDAR and rangefinder in Taiwan. Especially, we are interested in customizing for long-range and high-speed detection of LiDAR and rangefinder. We are developing LiDAR and rangefinder for satellite and anti-drone system.

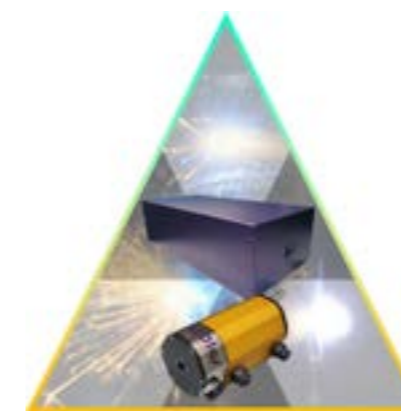
Product/Service Highlights

LED-pumped laser gain module:

1. Laser oscillator: CW, Quasi-CW, AO, EO, and PQS lasers.
2. Laser amplifier: Multi-pass and regenerative amplifiers.

LiDAR and rangefinder (Full custom design):

1. Drone LiDAR: 0.2 km distance, 180° FOV, 50 Hz line rate.
2. LiDAR: 0.5 km distance, 30° / 60° FOV, 10 Hz frame rate.
3. Rangefinder: 0.5 km at 100 kHz data rate.
4. Rangefinder: 2~20 km at 10 Hz data rate.



LED-pumped laser gain module and laser.



The LEDlas's employees.



Full custom design LiDAR and rangefinder.



Liscotech System Co., Ltd.

Contact

Headquarters

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Point of Contact

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Professional Fields

Testing and Equipment, Components and Parts, System Integration, Research Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

Liscotech is an aerospace company based in Taiwan. We focused on developing instruments which specialise in specific applications and designing systems that require high stability. We have successfully launched several FPGA / CMOS imaging payloads, also the payloads based on X86 and ARM platforms.

Liscotech is committed on new technical development such as Space Edge AI computing and multi-waveband imaging solutions.

Product/Service Highlights

Our main products specialise in aerospace applications, including Electronic Parts of Optical Remote Sensing Payload (RSI), OBC and Electric Power Systems (EPS) for CubeSat and Microsatellite.

Liscotech provides powerful Space Edge AI solution-

A robust CubeSat GPGPU computing built with the Nvidia Jetson Orin series, delivering up to 70 TOPs of computing power. It features a custom-designed carrier board by Liscotech, equipped with eFuse, protection circuits, and a rich array of I/O options, including serial ports, Ethernet, CAN, SPI, and GPIO.

We also provides customized service.



LiveStrong Optoelectronics Co., Ltd.

Contact

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Professional Fields

Testing and Equipment, Components and Parts, Materials, System Integration, Satellite Application Services, Research Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

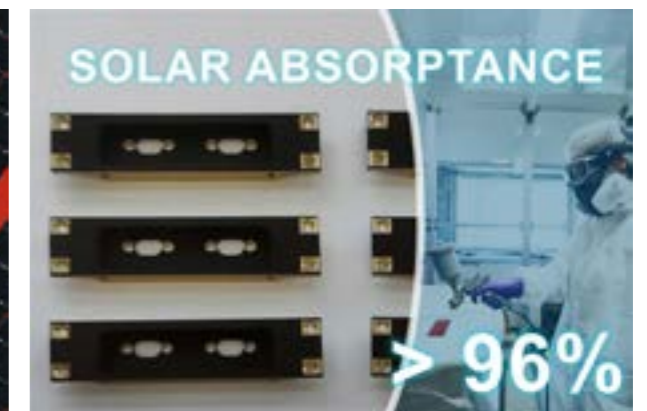
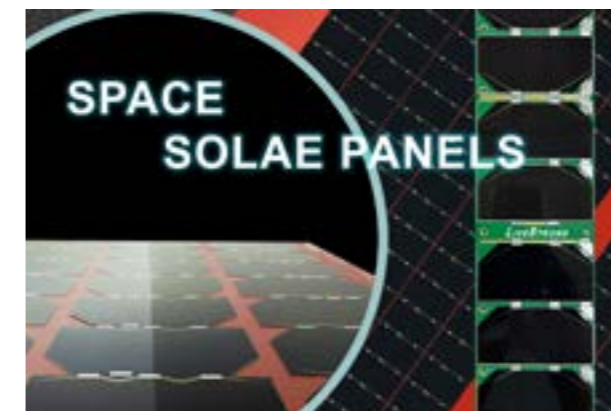
Description

LiveStrong specializes in advancing space optoelectronic research, covering the development of solar cells/modules for space to key satellite component technology. With a strong testing background, we provide various optoelectronic inspection system to identify bottlenecks, ensuring customer success. Our commitment to cutting-edge technology, enables us to deliver innovative and optimal solutions.

We also offer space verification services. Tailoring testing plans to component/module characteristics, ensuring compliance with space specifications, we support clients in efficiently completing verifications. Providing essential testing software, hardware, fixtures, and simulation tools, we facilitate clients' swift entry into space, allowing focused product development.

Product/Service Highlights

1. The only Taiwanese company with space-qualified solar modules verified according to space specifications (ECSS).
2. Established a paint facility fully compliant with space standards, offering high solar absorptance, low outgassing, and controlled-resistance coating services.
3. Comprehensive one-stop space product verification services.
4. Customized high-end optoelectronic inspection equipment.
5. CubeSat component design and development, as well as procurement services.
6. Customized component and equipment design, analysis, development, and testing.



MilDef Crete Inc.

Contact

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Professional Fields

Components and Parts, System
Integration, Research Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

MilDef Crete is an international company specializing in rugged devices. Since 1990, we have been providing durable computing solutions for industries such as mining, manufacturing, and defense. Our expertise allows us to create high-performance devices designed to thrive in the harshest environments. As technology advances, we are now expanding into the space sector.

MilDef Crete is ISO 9001, ISO 14001, and ISO 45001 certified, ensuring that our products meet the highest quality standards. Headquartered in Taiwan, with offices and partners around the world, we have been listed on the Taiwan Stock Exchange (code 3213) since 2003.

Product/Service Highlights

With 30+ years of experience, MilDef Crete specializes in rugged computing solutions for defense, manufacturing, and aerospace industries. As a system integrator, we combine technology with expertise in design, electronics, software, and project management to deliver reliable solutions.

Our team ensures each product meets high standards, providing durable solutions from rugged laptops to space computers for demanding environments.

MilDef Crete also develops LEO satellite electric propulsion systems and space electronics, supporting innovation and growth in the space industry.



MilDef Crete delivers a series of mobile workstation with superior server-grade performance.



RW14 is built to withstand extreme environments with IP65 and MIL-STD-810H certifications.



National Central University

Contact

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Professional Fields

Testing and Equipment,
Components and Parts,
Materials, Communication,
System Integration, Satellite
Application Services, Research
Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment,
Satellite Services

Description

National Central University (NCU) is one of Taiwan's foremost leaders in space science and exploration, with a mandate since 1962 to focus on the geosciences and space science. Integrating pre-existing programs, NCU established Taiwan's first Department of Space Science and Engineering in 2020. In addition to hands on cross-disciplinary emphasizing the integrative nature of space science and engineering, NCU has also sought to drive and participate in new and ongoing research and development projects targeting science and technology development through small satellite and payload missions in collaboration with international partners, government, and private industry.

Product/Service Highlights

Space Environment and Space Weather
studies, monitoring, and forecast services.
Small satellite and payload systems.
Environmental and functional testing services.
Spaceflight capacity building.
Satellite remote sensing and geoinformatics.
Satellite communications.
Academia-Industry collaboration.
Higher education.
Talent incubation and training.
Startup incubation.
International networking and collaborations.



NCU has extensive experience in the design and implementation of small satellite systems, ground and space segment communications platforms, mission and scientific payload design, as well as higher education and talent development.



National Chung-Shan Institute of Science and Technology

Contact

Headquarters

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Point of Contact

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Website

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Professional Fields

Testing and Equipment, Components and Parts, Materials, Communication, System Integration, Satellite Application Services, Research Institute

Satellite Industry Association (SIA) - Industry category

Description

The main businesses of our institute are listed below:

1. The development, manufacture, and sales of defense technology and weapons
2. The development, manufacture, and sales of dual-use technology
3. Domestic and International Cooperation in Technology, Information Exchange, and Promotion
4. Technology Transfer, Technical Services, and Industrial Consultancy with Domestic and Foreign Partnerships
5. Developing National Defense Technology Talents
6. Main Military Construction
7. Cooperation with the Ministry of National Defense
8. Other NCSIST related issues

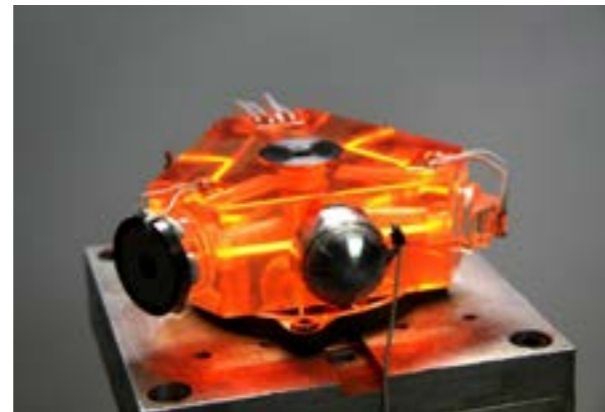
Product/Service Highlights

The main products are listed below:

1. Defense Systems: Defense Weapon System, etc.
2. Aviation Systems: Unmanned Aircraft, etc.
3. Electronic Systems: Electronic surveillance and jamming system, etc.
4. Communication Systems: Ground Control Stations, etc.
5. Information Technology: The Mission Planning System of Photogrammetry and Remote Sensing, etc.
6. Green Energy and Dual-use Technologies: Thin Film Solar Cell Process & Apparatus, etc.
7. Technical Support and Services: The electromagnetic pulse protection laboratory, etc.
8. Emerging Advanced Technologies: Ring Laser Gyroscope, etc.



HF III Supersonic Anti-Ship Missile



Ring Laser Gyroscope



Ohmplus Technology Inc.

Contact

Headquarters

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Point of Contact

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Website

<http://www.ohmplus.com>

Professional Fields

Testing and Equipment, Components and Parts, Communication, System Integration, Satellite Application Services

Satellite Industry Association (SIA) - Industry category

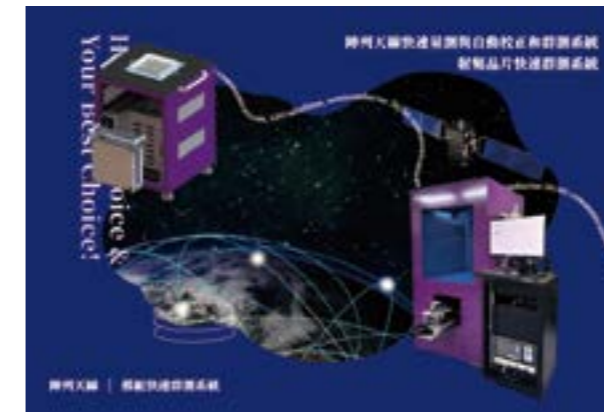
Satellite Ground Segment

Description

Ohmplus Technology Inc., founded in 2021, has quickly become a leader in providing advanced solutions for 5G/6G communications, LEO satellites, and semiconductors. Utilizing unique testing techniques, the company offers faster, more accurate solutions for complex technological challenges. As demand for communication and space technologies grows, Ohmplus drives innovation and efficiency across industries. In 2024, Ohmplus was shortlisted for Taiwan's prestigious 100 Best Startup Companies by the Taiwan Venture Capital Association, further solidifying its reputation as a transformative force in the technology sector.

Product/Service Highlights

1. The Fast Measurement & Automatic Calibration System for Phased Array Antennas
 2. The Fast Group Testing System for Phased Array Antennas and RFICs or RF FEMs
 3. The Design and Production of Special Array Antenna Systems
 4. The Integrated Planning for Customized Production Lines
- The solutions listed above have been announced by Ohmplus Technology Inc. and are primarily applied to industries such as low-earth orbit satellites, semiconductor testing supply chains, and 5G/6G communications.



PEGATRON

和碩聯合科技

PEGATRON Corporation

Contact

Headquarters

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Point of Contact

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Website

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Professional Fields

Components and Parts,
Communication, System
Integration, Satellite
Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment

Description

PEGATRON Corporation (hereafter referred to as "PEGATRON") was founded on January 1, 2008. With dedicating to acquire the evolving trends across various industries, PEGATRON is integrating artificial intelligence (AI) technology to advance in areas such as 5G, Servers, automotives, consumer products, and augmented reality/virtual reality (AR/VR). Moreover, Pegatron is investing in low-power brain-like computing (neuromorphic computing), aiming to integrate advanced sensing technology and AI applications for enhanced medical and healthcare solutions. Notably, Pegatron is developing phased array antennas for low-orbiting satellites, along with calibration algorithms and measurement technology.

Product/Service Highlights

PEGATRON offers a wide range of electronics products, including Servers, 5G gNB, Automotive Electronics, Notebooks, Desktop PCs, Cable Modems, Set-top Boxes, Smartphones, Game Consoles, Tablets, IoT Devices, Wearable Devices, Smart Home Devices, etc.

The latest developed categories are as following:

- Artificial Intelligence & 5G & Servers

Pegatron builds a cloud native platform PEGVERSE to develop Inception AI, Generative AI and Digital Twins. The platform is constructed by 5G, Server and AI to boost the productivity, quality and delivers the best value to our customer.

- LEO Phased Array User Terminal

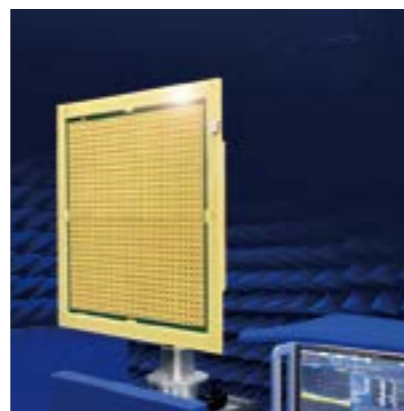
Self-developed key technologies for LEO phased array user terminal, including antenna array element design, calibration, beam steering control, satellite tracking algorithm, circuit designs of RF front-end and antenna control unit are ready for our clients, as well as the required comprehensive testing and verification services.



5G Outdoor ISC and Indoor RU



AI Server Rack
AI Edge Computing Server



LEO Phased Array User Terminal



PERSISTENT SYSTEMS LTD.

Contact

Headquarters

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Point of Contact

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Professional Fields

Testing and Equipment,
Components and Parts,
Communication, System
Integration, Satellite
Application Services, Research
Institute

Satellite Industry Association (SIA) - Industry category

Satellite Services

Description

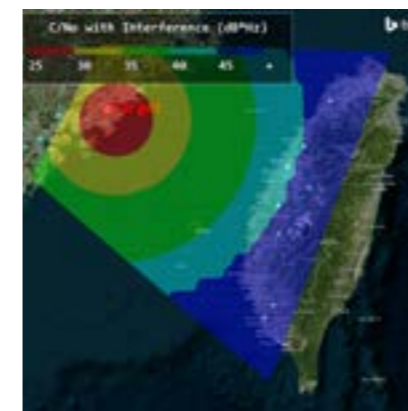
Since Its Establishment In 2017, Persistent System Has Been A Trusted Partner To National Defense And Educational Research Institutions. We Possess Expertise In System Engineering, Modeling & Simulation, Constellation Orbit Design, GIS Research And Development, Helping Clients Address Challenges Related To System Engineering, Modeling & Simulation, AI/ML and GEOINT Data Fusion. Our Team Members Come From Aerospace, Defense, Computer Science, Remote Sensing, Surveying, And Photogrammetry Backgrounds.

This Cross-Disciplinary Expertise Enables Persistent To Provide High-Precision/Reliability Solutions. We Are Committed To Continuous Innovation And Driving Advancements.

Product/Service Highlights

Products And Services:

1. Digital Mission Requirement Analysis
2. System Engineering Feasibility Analysis
3. Model, Analyze, And Visualize In ECI And ECEF Coordinate Systems With Temporal Accuracy
4. Satellite Collision Analysis
5. GNSS Signal Simulation
6. CRPA Testbed Development & GNSS Anti-Jam Solutions
7. CVG Gyroscopes, Tactical-Grade Accelerometers, MISB FMV STANAG 4609
8. DTED/HRE Terrain Models Services From EO/SAR
9. ADS-B, AIS Tracking Analysis & Fusion, AI/ML Detection
10. GEOINT Processing, Exploitation, And Dissemination (PED) Consultation & Engineering



phasetrum Phasetrum Inc.

Contact

Headquarters

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Point of Contact

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Website

https://phasetrum.com

Professional Fields

Communication

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment

Description

Phasetrum is a global phase array solution leading provider and also CMOS/GaN fabless developing X to Q band PA, LNA, Beamformer, with RF turnkey solution specially invented for phase array to build multi-orbit Satellite User Terminal and AESA radar. Supporting wide band, dual beam, 50% less power consumption, 75% less array area, 10 times better yield rate.

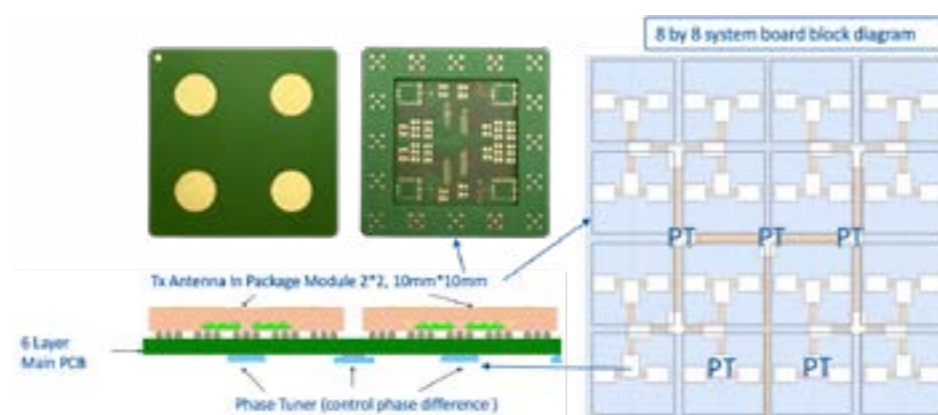
Product/Service Highlights

(1) Phase Difference Array solution and IC provider, specially invented for LEO Satellite with patents.

Phase tuner+AIP replace traditional beamformer with these advantages.

1. Antenna on PA/LNA package, low insertion loss to reach satellite with only 1/4 array.
2. Discrete antenna in 2*2 array improve PCB layers from 14 to 6, yield rate from 10% to 99%.
3. Control beam by phase difference not by absolute value, accumulated gain is big enough to reduce 1/2 power and calibration effort from 1024 to 10.
4. Easy design to support wide band, dual beam with HV/RL polarization SW selector.

(2) System and ASIC design service for 10~77GHz phase array applications dedicated in satellite communication or AESA radar.



PITOTECH CO., LTD.

Contact

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Professional Fields

Testing and Equipment,
Communication, System
Integration, Satellite
Application Services, Research
Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

Founded in 1992, PITOTECH has been dedicated to bringing world-class simulation software to the Taiwanese market for decades, helping enterprises and research institutions enhance R&D efficiency, particularly in cutting-edge fields such as the space industry. As the official distributor of COMSOL Multiphysics, PITOTECH leverages its professional expertise and robust support to advance Taiwan's space technology development.

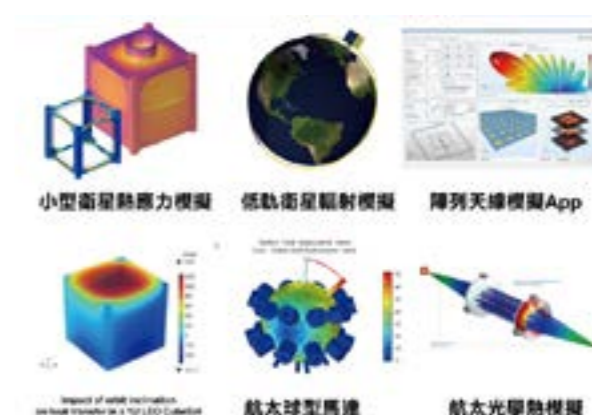
COMSOL excels in multiphysics coupling simulations, allowing precise analysis of complex interactions between structural, thermal, fluid, and electromagnetic fields, providing comprehensive solutions for the space industry. For instance, COMSOL can simulate structural stress and vibration analysis during satellite launches to ensure structural stability.

Its thermal management module optimizes satellite heat dissipation designs, enhancing the reliability of electronic components in extreme temperature environments. Additionally, the electromagnetic module supports antenna design and improves signal transmission efficiency.

Through COMSOL's versatile solutions, PITOTECH enables the space industry to achieve more efficient design validation and optimization, reducing development cycles and mitigating risks. By driving innovation and breakthroughs, PITOTECH leads Taiwan's space industry to the global stage, realizing technological advancements and progress.

Product/Service Highlights

- CAE Multiphysics Coupling Analysis Solutions
- Industry 4.0 Solutions
- Digital Twin Solutions
- Product Reliability Solutions
- System Automation Simulation
- Consultation Services
- Advisory and Guidance



PITOTECH provides COMSOL Aerospace and Defense solutions, emphasizing multiphysics simulation applications from quantum technology to aerospace advancements. Applications include small satellite thermal response, low-orbit satellite radiation, phased array antenna simulation, aerospace optical heat transfer, and planetary gear modeling.



Plastics Industry Development Center (PIDC)

Contact

Headquarters

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Point of Contact

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index.php](https://www.pidc.org.tw/index.php)

Professional Fields

Testing and Equipment,
Components and Parts,
Materials, Research Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment

Description

The Plastics Industry Development Center (PIDC) specializes in high-value plastic material processing and applications, driving innovation in polymer materials, processing techniques, and analytical methods. Equipped with internationally accredited labs, PIDC also offers certified vocational training. Committed to advancing the plastics industry, PIDC develops cutting-edge solutions like polymer medical devices, high-performance composites, and eco-friendly, recyclable materials. Through global collaboration and technology exchange, PIDC fosters sustainable growth and industry transformation.

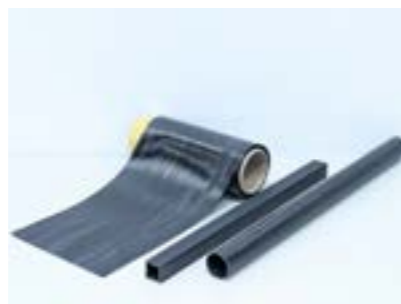
Product/Service Highlights

PIDC provides diverse services in technical support, training, and consultation:

1. High-value materials: Medical devices, high-performance composites, recyclable materials, smart adhesives.
2. Processing technologies: Injection, extrusion, thermoforming, overmolding, 3D printing, coating, foam technology.
3. Analytical verification: Automotive parts, building materials, wind turbine composites, biodegradability, biocompatibility.
4. Sustainability: ESG consultation, carbon labeling, recycled plastic traceability.
5. Training: Internal training, seminars, forums, successor programs.



Plastics industry development center (PIDC)



High-strength fiber-reinforced thermoplastic composites (prepreg and tube)



Hybrid rocket fuel composite materials.



Pyras Technology Inc.

Contact

Headquarters

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(R.O.C.)

Point of Contact

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Website

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Professional Fields

Communication

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment

Description

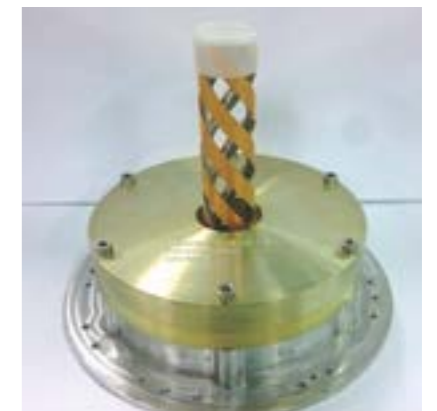
Pyras has been actively involved in the production of antenna components since the Formosat-1 mission, accumulating decades of experience in the space industry. In recent years, we have taken further strides in expanding our footprint in the space industry by developing ground stations for satellite applications. This year, we are set to launch a CubeSat commissioned by TASA, marking a significant milestone in our journey.

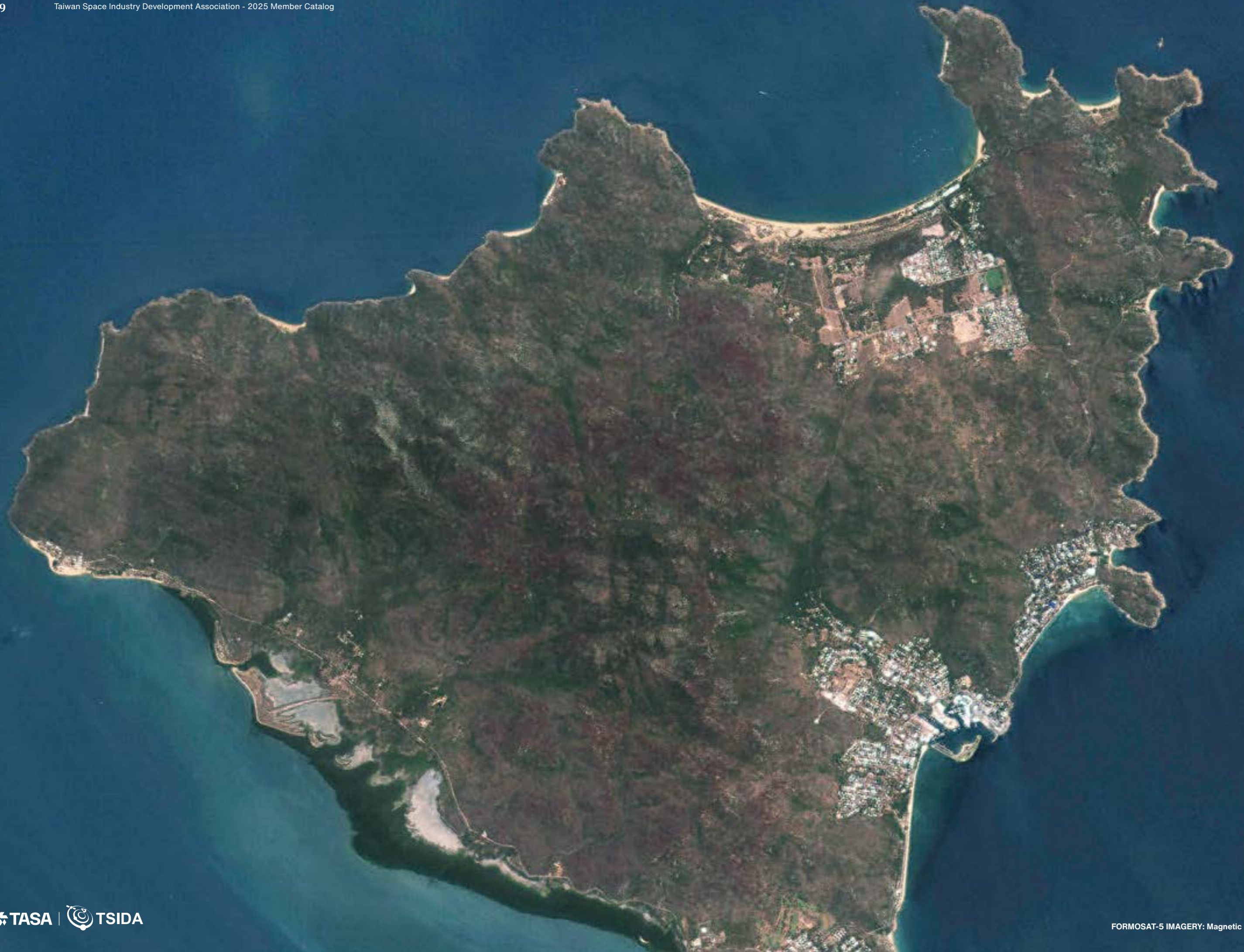
Our vision is to become a leading provider of integrated services for maritime satellite applications, injecting modern elements into traditional deep-sea fisheries. Pyras is committed to pioneering advancements in the space sector and contributing to the evolution of satellite technology.

Product/Service Highlights

Pyras Technology's product development spans across land, sea, and air, encompassing ground stations for low-earth orbit satellites, maritime automatic tracking antenna systems, satellite antennas, and critical subsystems.

Beyond hardware equipment, we also integrate hardware, software, and terminal data, establishing shore-based control centers. This comprehensive approach results in a complete maritime satellite application integration service across land, sea, and air.







Rapidtek Technologies Inc.

Contact

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<https://www.rapidtek.net>

Professional Fields

Testing and Equipment,
Components and Parts,
Communication, System
Integration, Satellite
Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment,
Satellite Services

Description

Rapidtek Technologies Inc, established in 2015, is a renowned antenna design and RF testing manufacturer in Taiwan, major markets covering semiconductor IC design, Electric Vehicle, Internet of Things, and SatCom industry, providing a one-stop customized service from design, manufacturing to MP testing. The headquarters and R&D center are in Xizhi Science Park/New Taipei City, and SpaceLab in Taoyuan. With our global presence to provide speedy and instant services also stably root in the market. Our customers are located in over a dozen countries, including the EU and the US, and we offer comprehensive technical support services.

Product/Service Highlights

(1) First CubeSat with TASA

- Featuring a self-developed Ku-Band communication payload for assembly and testing.
- Regular Communication Window
Passes over Taiwan twice daily, offering 5-minute communication opportunities for testing and data transmission to backend systems.

- Mission Goals

1. Reduce communication blind spots.
2. Optimize transmission efficiency.
3. Accelerate the commercialization of CubeSat applications.

(2) Rapidtek's AESA Expertise

- AESA/ESA phased array antennas provides turn-key solutions for multi-orbit applications from LEO to GEO.
 - Versatile Applications
1. Manpack, communication on the move, automotive, aviation, GEO, MEO, LEO, HAPS, and NTN.
 2. Proven success in integrating AESA with customer end products in multiple use cases.



Rohde & Schwarz Taiwan Ltd.

Contact

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Professional Fields

Testing and Equipment

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

In view of the development of the Asian market and the importance of Taiwan in the field of wireless communications, Rohde & Schwarz officially established a base in Taiwan in July 2003 - Taiwan Rohde & Schwarz Co., Ltd. We hope to leverage the advantages of Taiwan to connect the established bases in Asia more closely, introduce the latest German technology to all Rohde & Schwarz users, and build a complete Asian technical service network. Currently, Rohde Schwarz Taiwan has a complete service team with functions such as business, marketing, finance, product maintenance, calibration experiments, technical support, business administration, etc. Team cooperation and instant contact are the greatest guarantee for quality service to customers.

Product/Service Highlights

T&M solutions for designing, evaluating and producing latest generation satellite systems.
The satellite industry provides leading-edge solutions for communication, navigation, remote sensing, surveillance and earth observation. Operating in the hazards of space, satellites are subject to the most challenging technological standards and requirements. Smart test and measurement solutions from Rohde & Schwarz ensure flawless performance and reliable safety and security on every level - from testing subsystems, assemblies and components to validating the performance of ground station terminals and in-orbit service.

R&S®SMW200A Vector Signal Generator



R&S®FSW Signal and Spectrum Analyzer



SATORO SATORO Taiwan Inc.

Contact

Headquarters

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Point of Contact

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Professional Fields

System Integration, Satellite
Application Services, Satellite
Launch Services

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing



Description

SATORO Taiwan Inc. is an integrated manufacturer of CubeSat, empowering your mission success in space through universal and agile satellite solution. Our company make diverse range of clients success by our reliable In-Orbit Demonstration/Validation (IOD/IOV) service.

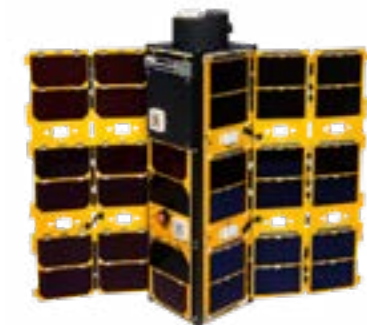
Product/Service Highlights

SATORO offering our customers the following services based on our own CubeSat bus platform:

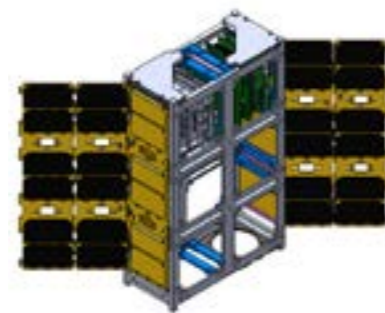
1. Rideshare Service: Assisting Customers in obtaining Space Heritage with our highly Successful Assembly, Integration, and Testing (AIT) experience.
2. In-Orbit Mission Operation Service.
3. Launch Management Service.

SATORO also provides the following products:

1. 3U-16U CubeSat Bus Platform.
2. Flight Software in Satellite.
3. Mission Control Software in Ground Station.
4. Deployable Solar Panel.
5. Payload Data Handling Module.
6. Satellite Structure.
7. Design, Analysis, Manufacturing, and Testing of Electronic and Mechanical Components.



Taurus 3U



Taurus 6U



Mission Control Software in Ground Station



順英有限公司
Shining Technologies Co., Ltd.

Shining Technologies Co., Ltd.

Contact

Headquarters

Shining Technologies Co., Ltd.
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Dist., Hsinchu City, Taiwan
(R.O.C.)

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Professional Fields

Testing and Equipment, System
Integration

Satellite Industry Association (SIA) - Industry category

Launch Services, Satellite
Ground Segment

Description

Shining Technologies Co., Ltd., established in 1996, has 25+ years of expertise in industrial automation. We provide cutting-edge technologies and services, from product info to updates. Our portfolio features global brands like NI, UELdaq, and Picoscope, and domestic leaders like Advantech, offering high-performance solutions.

We've supplied PC-based products to industries and institutions, meeting diverse needs. Our team ensures expert pre-sales consultation and reliable after-sales support.

With advanced system integration, we've earned trust and loyalty. Through innovation, Shining Technologies Co., Ltd. leads industrial automation's future.

Product/Service Highlights

Customized EGSE Solutions

- Fully developed in-house to meet satellite testing needs.
- Modular design ensures flexibility for various mission profiles.
- Supports automation integration for improved efficiency.

Automation & System Integration

- Expertise in integrating hardware and software into seamless systems.
- Streamlined workflows reduce errors, ideal for critical testing.

High-Precision Testing Systems

- Tools include data acquisition systems and portable oscilloscopes.
- Reliable, scalable solutions for aerospace and defense applications.



EGSE 28U Rack



EGSE 28U Rack



EGSE 24U Rack

KRATOS[®] SYMH Technology Inc.

Contact

Headquarters

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Point of Contact

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<https://symhtech.com/>

Professional Fields

Testing and Equipment, Communication, System Integration, Satellite Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Ground Segment, Satellite Services

Description

SYMH Technology Inc. is the official representative of Kratos Communications Inc. Kratos Defense & Security Solutions, Inc. is a technology, products, system and software company. Kratos makes true internally funded research, development, capital and other investments, to rapidly develop, produce and field solutions that address our customers' mission critical needs and requirements.

Product/Service Highlights

SYMH Technology Inc. is providing advanced and resilient LEO Satellite Communications technology products, dedicated and specialized in spectrum monitoring and RF testing solutions to our clients. With Kratos' approach designed to reduce cost, schedule and risk, enabling us to be first to market with cost effective solutions.



RF Channel Simulator (Wideband)



SpectralNet WideBand (SNWB)



OpenSpace



Taiwan Aerospace Corporation (TAC)

Contact

Headquarters

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Point of Contact

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Website

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Professional Fields

System Integration, Satellite Application Services, Satellite Launch Services, Research Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

Taiwan Aerospace Corporation (TAC) was inaugurated in September of 1991 and, in 2006, due to the end of the IDF production and a recession in the international aerospace sector, the TAC decided to transform itself as a holding company, focusing on managing its investment targets and performing investment evaluation for aerospace industries.

TAC's major shareholders include the National Development Fund (holding 49% of shares), financial institutions (35%), and other private enterprises (16%). Its investments cover aerospace and satellite industries.

TAC's major businesses are centered on exploring and investing in manufactures that produce key components, modules, and subsystems for satellites, as well as providers that offer system integration, application, and service in the same domain, with a potential to acquire flight heritage.

Our vision is to integrate technical resources in official and scientific research institutions as well as legal entities with financial resources of investment companies, aiming at boosting strategic cooperation of technology, business, management, and finance through investments, providing consulting and investment services for targeted companies to reach their goals in commercial market positioning, and cultivating targeted leading companies that are spearheading the development of aerospace and satellite industries.

Product/Service Highlights

TAC is currently investing in 5 enterprises, including:

- I. Air Asia Company Limited
- II. SpaceKnow Inc.
- III. Link Wave Aerospace Technology Inc.
- IV. Advanced Material Systems Corporation
- V. Aegiverse Company Limited





Taiwan Auto-Design Co. (TADC)

Contact

Headquarters

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Point of Contact

Marketing / Marketing team
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www.cadmen.com

Professional Fields

Testing and Equipment, System Integration

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

Taiwan Auto Design Co. (TADC) was founded in 1980, is the earliest CAD/CAM/CAE companies in Taiwan. Since 1992, in partnership with Ansys Inc., TADC has provided ansys technical services and support. In 2021, the company listed its stock (stock code 6791), becoming the first CAE solution provider in Taiwan to go public.

TADC's comprehensive simulation solutions cover structural dynamics, thermal management, fluid dynamics, and electromagnetic interference analysis, optimizing spacecraft performance. TADC's advanced software and engineering services drive innovation and enhance the safety and efficiency of space missions, making them a key player in the aerospace industry.

Product/Service Highlights

- Engineering Simulation Solutions
 - Ansys (A Leading Brand of CAE Multiphysics Simulation)
 - RecurDyn (CAE Software of Multi-Body Dynamics Simulation)
 - Flownex (System Level CFD Simulation Software)
 - Sigmasoft (High-Tech Injection Molding Simulation Software)
 - Rescale (High Performance Computing Cloud Simulation Platform)
- Measurement Equipment
 - Polytec (Leader in Optical Measurement Equipment)
 - Gfai (Specialist for Noise and Vibration Measurement Equipment)
- System Integrated
 - SolidMEN300 (Metal 3D Printer)
 - Octopuz (Robot Programming and Simulation Software)



Simulation of Spacecraft Heat Transfer in Space



Gfai Noise and Vibration Measurement Equipment



Polytec Optical Measurement Equipment



Taiwan Hodaka Technology

Contact

Headquarters

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Point of Contact

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Professional Fields

Materials

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

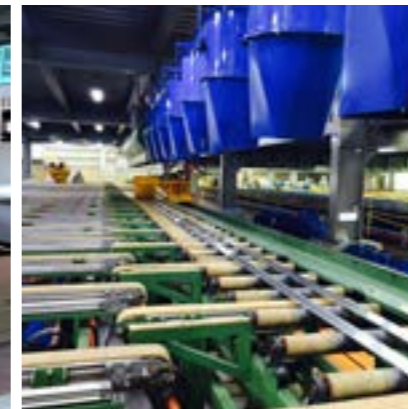
Founded in 2002, Taiwan Hodaka specializes in aluminum alloy design and development, billet casting, and precision extrusion, with the aim of providing our customers the finest quality aluminum alloy materials. Our one-stop comprehensive manufacturing services can aid customers in quickly producing aluminum samples. Furthermore, our manufacturing facilities include casting experimental line, materials testing laboratory, anodizing experimental line, coupled with automated production lines and traceability management system, enabling us to provide technical integration and rigorous quality controls from alloy development verification to finished product inspection and analysis. We have also obtained internationally quality management system certifications like IATF16949 and AS9100.

Product/Service Highlights

- Quality standard and advantages of aluminum billet products. Taiwan Hodaka uses high-purity aluminum ingots as the raw materials (Al>99.85%, in contrast to the common 99.70% purity).
- Aluminum extrusion technology offers the advantages of high productivity and high precision. The extruded aluminum profiles can be solid or hollow shape, tubing, rod or plate.
- The aluminum alloy are widely used in bicycle industry, Auto/motorcycle industry, Sports/leisure industry, Consumer electronics industry.



High Quality Billet Casting Technology



Extrusion Die Design and Fabrication



According to Customer's requirement to integrate the required post processes Wire rolling, Forging, CNC, Anodizing..etc



Taiwan Testing and Certification Center

Contact

Headquarters

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333011, Taiwan (R.O.C.)

Point of Contact

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paul.liao@etc.org.tw

Website

<https://www.etc.org.tw/>

Professional Fields

Testing and Equipment,
Communication

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing

Description

To expand our service scope and capacity and to head towards diversified development, we renamed to the "Taiwan Testing and Certification Center" in 2020 .

The main objectives of us are to implement import/export testing and certification missions given by the government in coordination with the policy; provide product inspection and certificate issuance services according to the development and needs of domestic industry; and, for the seeking of public welfare, develop quality control and testing techniques to increase product quality and facilitate the progress and prosperity of the industry.

Product/Service Highlights

The scope of services covers product safety testing, electromagnetic compatibility testing, communications terminal product testing, environmental reliability testing, connector testing, lighting/optical lighting product testing, medical equipment product testing, information and communication technology product testing, smart software product testing, explosion-proof testing, chemical and hazardous substance analysis, food/drug/cosmetic testing, instrument calibration, legal measuring instrument verification, children's products, children's playground and son on.



10m Anechoic Chamber



RF Calibration System



Tensor Tech

Contact

Headquarters

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Point of Contact

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Professional Fields

Testing and Equipment,
Components and Parts,
System Integration, Satellite
Application Services, Research
Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Services

Description

Tensor Tech specializes in the expertise of satellite Attitude Determination and Control Systems (ADCS). We offer a range of space-qualified products, from proven subsystems to reliable components with scalable options tailored to meet our customers' requirements.

Leveraging our proprietary reaction sphere technologies, we deliver ADCS solutions that surpass current market offerings in power efficiency and agility. Additionally, we provide ground testing equipment and services, empowering clients to execute their satellite missions successfully.

Our quality management system is certified by ISO 9001, and our products are subjected to rigorous quality assurance processes to ensure consistent quality. With well-trained engineers and easily accessible test facilities, we provide flexible and cost-effective solutions to the global space industry.

Product/Service Highlights

1. Integrated attitude determination and control system for nano and small satellites.
2. Control moment gyroscope for nano and small satellites attitude control.
3. Attitude determination sensors, including sun sensors, inertial measurement units, and star trackers.
4. Ground testing facilities such as ADCS testbed system and mass properties measurement equipment.
5. ADCS-related components, including magnetorquers, attitude and orbit control computers, and laser beacon detectors.
6. Services for the performance analysis of attitude and orbit control systems.
7. Satellite design review and subsystem integration services.
8. Jitter analysis and measurement services.
9. Customized services for the original design and manufacturing of equipment.



TensorFSS-15M Fine Sun Sensor



TensorADCS-10m Integrated Attitude Determination and Control System



Tensor Testbed



Tolsolution Weighing & Measurement / HKB

Contact

Headquarters

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Professional Fields

Testing and Equipment,
Components and Parts,
Materials, System Integration,
Satellite Application Services,
Research Institute

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment

Description

Tolsolution Weighing & Measurement Inc. is the exclusive representative of HKB in Taiwan, a global leader in physical signal measurement technology. With 30 years of expertise, Tolsolution provides advanced solutions for strain, force, torque, pressure, and acceleration measurement. HKB is the only company integrating electronic and optical fiber measurement systems, while its eDrive system uniquely combines high-speed torque, mechanical power, and electrical power analysis. Additionally, HKB's nCode and ReliaSoft software offer comprehensive fatigue and reliability analysis.

In 2023, HKB acquired MicroStrain, expanding into inertial sensing and wireless sensing solutions for robotics, drones, and navigation systems. Dedicated to innovation, HKB continues to drive advancements in measurement technology worldwide.

Product/Service Highlights

1. Sensors (strain gauges, load cell, force, torque, pressure, acceleration)
2. Industrial & Weighing Electronics
3. DAQ (data acquisition) equipment and software
4. nCode durability and Fatigue Analysis
5. MicroStrain inertial and wireless sensing
6. FiberSensing FBG fiber sensing
7. eDrive Electrical Devices Testing



Transcom, Inc.

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Professional Fields

Components and Parts,
Materials

Satellite Industry Association (SIA) - Industry category

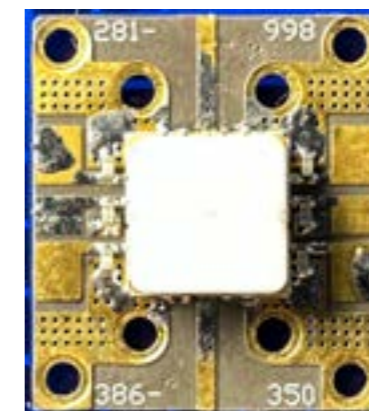
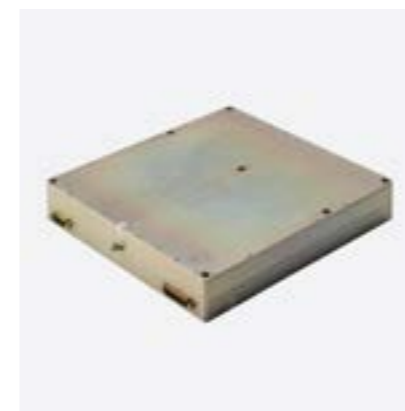
Satellite Manufacturing,
Satellite Ground Segment

Description

Transcom engages in the design and manufacturing for GaAs/GaN microwave PA, LNA and subsystem products. For military and commercial applications, including Satellite (Satcom/LEO..), 5G/6G/mmWave and Radar. Besides, we can provide frequency range from 0.5GHz up to 40GHz and power up to 10kW or more. In addition, we has a GaAs/GaN clean room with customized design, fast delivery and price advantages.

Product/Service Highlights

1. Solid State Power Amplifiers (SSPA), GaN/GaAs
 - up to 10KW RF power
 - Low Noise Amplifiers
 - Customized SSPAs
 - Applications: SatCom(LEO/GEO/..) ground equipment's
2. mmWave PA MMICs, GaAs/GaN
 - Applications: SatCom(LEO/GEO/..) T/R modules, BUC..
3. FETS/Transistors, Hybrid ICs, GaAs/GaN
 - Applications: SatCom(LEO/GEO/..) T/R modules, BUC..





Tron Future Tech

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Professional Fields

Communication, System
Integration

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment

Description

Tron Future Tech, the major supplier of TASA, based on AESA core technologies, is the fastest-growing Defense/Space Tech company in Taiwan. In Defense, we offer complete C-UAS solution. In Space, we offer satellite communication and synthetic aperture radar payloads, and ground user terminals. All design and manufacture are in-house and in Taiwan.

Product/Service Highlights

T.SpaceHub B5G

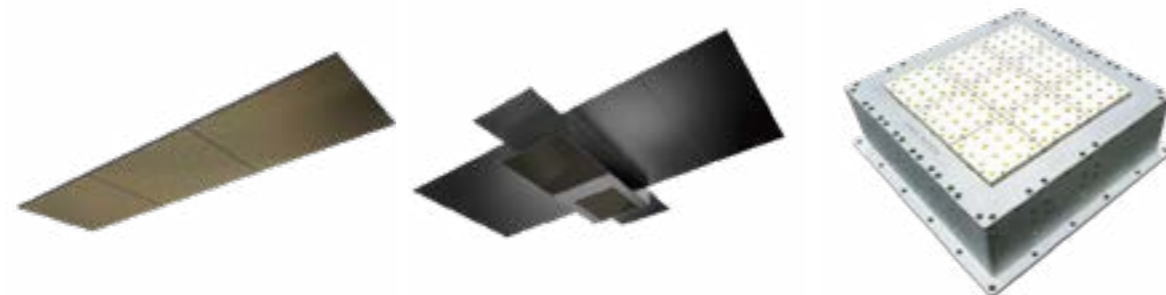
A highly integrated phase array system in LEO. K/Ka-band DL/UL signals with a minimum 30° elevation angle. The frontend module is a switchable circularly polarized antenna array, and the software-defined modem supports variants of DVB-S2X and 3GPP NTN for satellite.

T.SpaceHub Mini

A high-speed X-band phased array LEO transmitter. It offers CCSDS compliant QPSK / 16APSK (configurable) modulated downlink operating in the EESS band and enables maximum 800 Mbps downlink.

T. SAR

A satellite AESA synthetic aperture radar provides 24-hours all-weather earth environmental and disaster observation. T.SAR can make agile multi-beam beamforming to support wide-swath high-resolution space-to-ground imaging.



Vertical integration - from semiconductor to system design.

Reliable and miniaturized system design.

Reliable and fast service & supply



U-LEAM Inc.

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Professional Fields

Components and Parts,
Materials, Satellite Application
Services

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment

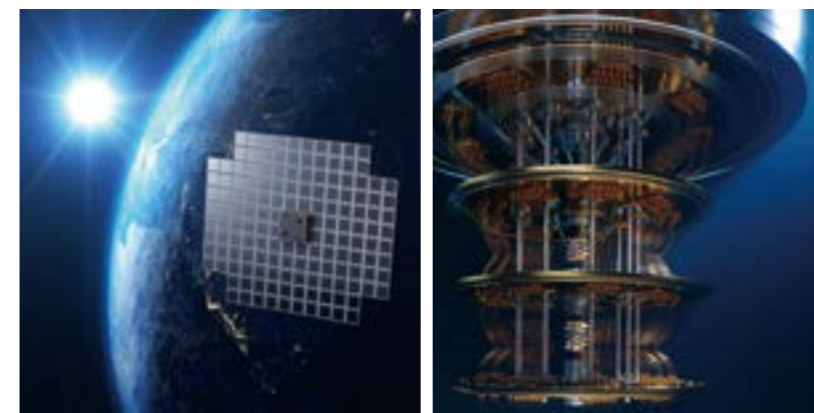
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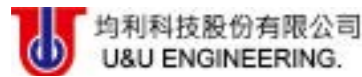
With over three decades of industry experience, U-LEAM Inc. designs, manufactures, customizes, and supplies a wide range of connectors, cable assemblies and high-performance interconnect systems for a wide variety of applications. Our high technology interconnect solutions enable the electronics revolution across a diverse array of end markets including, but not limited to: Industrial, Automotive, Medical, Consumer and High-Speed solutions.

Product/Service Highlights

With strong integrated design, engineering, and manufacturing support team, we're able to build upon and extend our competency to provide tailored solutions to more advanced industries like Medical Electronics, Aerospace & Satellite Communications, and Quantum Computing.

As a vertically integrated manufacturer, U-LEAM delivers Interconnect Solutions through leading-edge technology, design, and manufacturing across different market segments and applications - creating products that meet the needs of tomorrow.





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Professional Fields

Testing and Equipment,
Components and Parts,
System Integration, Satellite
Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment,
Satellite Services

Description

U&U ENGINEERING, as a system integrator of high-tech microwave, optoelectronics, electronics, and national defense technologies, we specialize in providing Leading-Edge technology and support for governments and commercial industries. Our engineers work to provide upgrades, product maintenance and repair. And, we invest heavily in R&D to develop new technologies for our customers. Also, we act as consultants and global agents for many of the industry's biggest companies.

Product/Service Highlights

U&U ENGINEERING, as a professional global agent, we work with world-wide companies to provide our customers modern products and logistic supports for C4ISR solutions and Optomechanical System.

The E/O Business Group of U&U Engineering is one of the few domestic companies specializing in infrared IR Imager (SWIR, MWIR, LWIR), Laser Range Finder (LRF) and Designator module design, R&D, production, maintenance, Electro-Optic stability platform with image tracking system integration (EO Stabilized Surveillance & Tracking System). We provide customize Electro-Optic products, electro-Optic related system engineering, IR Imager module manufacturing, LRF & Designator module manufacturing, and we also provide system integration and testing service.



UMFR / UMDR
Microwave RADAR sensor



LWIR-640
Long Wave Infrared Camera



Ubiqconn Technology, inc.

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Professional Fields

System Integration

Satellite Industry Association (SIA) - Industry category

Satellite Ground Segment

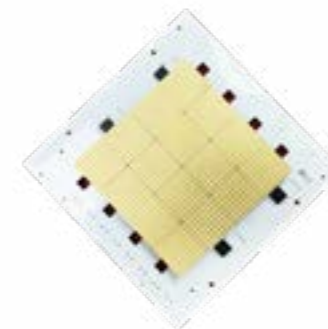
Description

Ubiqconn Technology, inc. was established in 2011 and is headquartered in Taipei City, Taiwan. Ubiqconn is a leading provider of rugged mobile solution focus on key industries, such as SATCOM, Agriculture, Logistics, Maritime, Transportation and Government. We aim to provide a value-added ODM/OEM services for key players and start-ups in different vertical markets, as well as rugged solutions for its own brand RuggON.

Our mission starts with understanding customer's perspective and expectations to develop solutions that solve customer's pain points. We're continuing to uphold our vision of "ubiquitous connection" by connecting with industries, people, things, supply chains and ecosystem, while being agile fully implement the zero-to-market business model to realize the customer's vision.

Product/Service Highlights

Ubiqconn with over 30 years' experience in providing ODM services & EMS services across diverse industries, our zero-to-market solution keep you stay competitive and innovative. In summary, the outcome of Ubiqconn's design capability (eg: Maritime Display/Rugged Tablet/Vehicle Mount Computer/Satellite Mobile Gateway/Military System) is the successful creation of innovative, high-performance, and market-ready products that meet the specific needs of clients across a wide range of industries.





Universal Microwave Technology, Inc.

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Professional Fields

Components and Parts,
Communication, System
Integration

Satellite Industry Association (SIA) - Industry category

Satellite Manufacturing,
Satellite Ground Segment

Description

Universal Microwave Technology, Inc. (UMT) is a highly experienced company in Taiwan with over 800 employees and delivering 300+ projects annually. UMT specializes in customized microwave and mmWave passive components, antennas, cable assemblies and precision machinery parts with great tolerance, supplying diverse industries, including wireless communications, aerospace, defense, satellite communications. By investing in advanced technology such as a terahertz lab, mmWave antenna chamber and AS9100, UMT showcases the commitment to innovation. Benefiting from the center of high-tech location and a skilled workforce, UMT has high vertical integration capability. UMT is a worldwide recognized supplier for high reliability, quick responsiveness, and competitive solutions.

Product/Service Highlights

UMT's fast/ precise design along with stable mass production, leads to excellent quality and competitive prices that can satisfy customized requests. We offer one-stop solution of Microwave/ mmWave for telecommunications, SATCOM and LEO, from design, prototyping, to massive production with time and budget cost effectiveness.

UMT is well experienced to build-to-print/build-to-spec for payload and ground station, offering a wide range of solutions and broadband options such as C, X, Ku, Ka, V, and E band etc.

1. Passive microwave/ mmWave components
2. Antennas
3. mmWave cable assembly
4. Precision machined part



OMT/ Polarizer



Diplexer



Waveguide Antenna



EM-WAVE APPLICATIONS:
ANTENNA/RADAR/TEST RANGE
DESIGN & IMPLEMENTATION/
VERIFICATION & OPTIMIZATION

WaveFidelity Inc.

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Point of Contact

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Professional Fields

Testing and Equipment,
Communication, System
Integration, Satellite
Application Services

Satellite Industry Association (SIA) - Industry category

Satellite Ground Segment

Description

WaveFidelity Inc., officially founded in 2017, with expertise over 10 to 39 years experiences in EM-Wave Measurement & Applications on Test Range Implementation, Antenna Performance Qualification and Optimization, Near-field to Far-field RCS Algorithm, Synthetic Aperture Radar Echo Emulation, and Remote Sensing Technologies, and beyond.

Active member of international organizations, e.g., IEEE AP, IEEE GRSS, IEICE SANE and AOC.

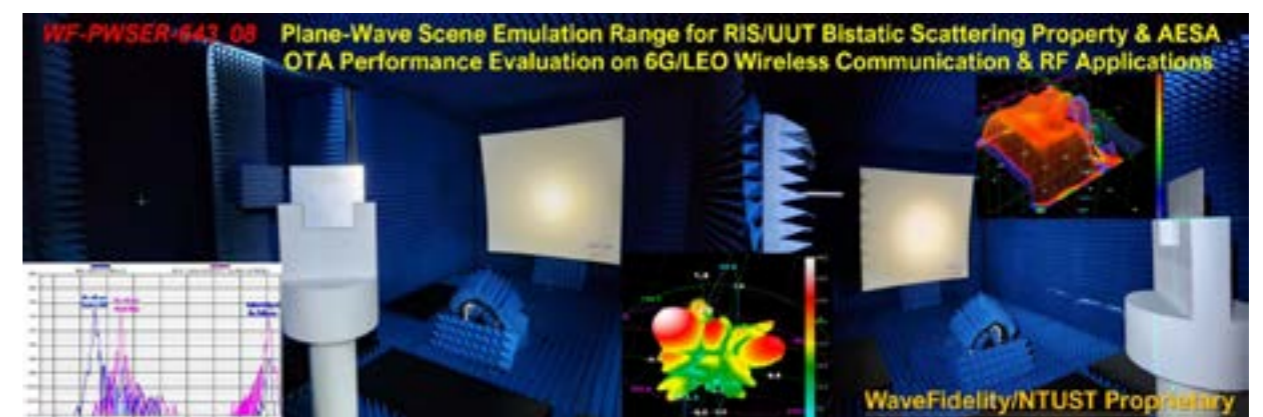
Member of Taiwan National Defense Industry Development Association, Taiwan UAS Development Association, and Taiwan Space Industry Development Association.

Product/Service Highlights

Passive/Active Phased Array Antenna Qualification and Optimization, Test Ranges Implementation and Optimization for Antenna/Radar/RCS Qualification and Applications, Synthetic Aperture Radar Echo Emulator and Processor, Near-field to Far-field RCS Transformation Package, Hybrid mmWave Radar, Fast Ground Based SAR, and Solutions of Counter-UAS & Homeland Security Surveillance.

Distributor & Technical Support of NSI-MI Technologies based in Taiwan; Rep of Fortem Tech, iRadar, Fine-Group, and Jorjin Tech.

Versatile Customers from Military, Coastal Guard, Academic Institutes, and Industrial Sectors.



Plane-Wave Emulation Range for UUT Bistatic & AESA OTA Property Tests over modulated RF Carrier using Nearfield Scanning upon CR-built Phase Reference

WavePro**WAVEPRO
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Professional Fields

System Integration, Satellite
Application Services

**Satellite Industry
Association (SIA) -
Industry category**

Satellite Ground Segment

Description

WavePro Inc., founded in 1993, has over 30 years of experience providing microwave, radar, and antenna testing solutions while continually investing in R&D and innovation.

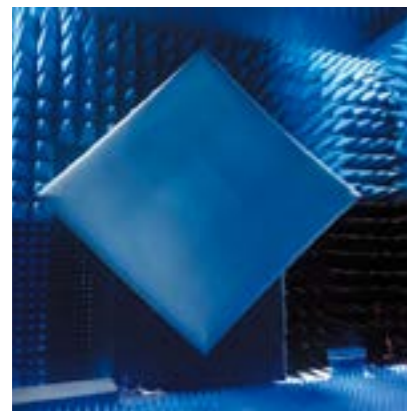
In 2022, WavePro patented a Diamond-Shaped Reflector (DSR), which expands low-frequency bandwidth, offers low interference across all bands, and achieves superior quiet zone performance, ideal for high-spec satellite antenna testing.

In 2024, WavePro completed a CATR measurement system for TASA, integrating four unique test systems at a single site. Renowned for its expertise, WavePro has successfully deployed DSR systems for global satellite antenna leaders such as GreenerWave and Intellian Tech.

Product/Service Highlights

With cutting-edge technology and proprietary designs, WavePro delivers solutions that meet the evolving demands of advanced testing and measurement systems:

1. Patented Diamond Shape CATR: High-Quality Quiet Zone; Ultra-low Clutter Level -50dB ; Lower Frequency Operation
2. Chip Antenna Measurement System: 24-260 GHz Patented ARCH ARM Chip Antenna Measurement System
3. mmWave Automotive Radar Thermal CATR Test Chamber: Temperature Range -40°C~ + 85°C
4. Accurate AESA BFN/Front End/Antenna/ System Testing system



Patented Diamond Shape CATR



Chip Antenna Measurement System



mmWave Automotive Radar Thermal CATR Test Chamber

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Professional Fields

Testing and Equipment,
Communication, System
Integration

**Satellite Industry
Association (SIA) -
Industry category**

Satellite Ground Segment

Description

Our company's main members mostly come from the Industrial Technology Research Institute (ITRI). YTTEK is committed to flexible, economical, and high-quality wireless communication solutions. We emphasize end-to-end services to achieve the best performance, reliability, and added value.

YTTEK focuses on continuous innovation and seamless system integration. Our first self-developed Software Defined Radio (SDR) platform has been adopted by most universities in Taiwan as their educational and experimental equipment. At the same time, we provide APIs and free OFDM sample code to help them effectively develop their own wireless communication systems.

We are also extending our self-developed SDR platform into the satellite communication field, collaborating with the Taiwan Space Agency (TASA) to develop satellite payloads and ground station high-speed modems that comply with NASA CCSDS standards.

Product/Service Highlights

The YTTEK SDR YTPC400 is the world's only general-purpose wireless communication development platform supporting up to 15GHz Ku band with a maximum bandwidth of 400MHz.

The high-speed ground station receiver (YTSC), developed with TASA, is based on YTPC400X. It supports receiving satellite signals with two communication waveform standards: CCSDS 131.0-B-4 and CCSDS 131.2-B-1. This product combines YTTEK's SDR expertise with TASA's space technology, producing domestically made satellite communication receivers certified by TASA.



YTTEK's Core Technology and Testing solution

YTTEK's ecosystem of your wireless communication world

Taiwan Space Industry Development Association

2025 Member Catalog

Testing and Equipment
Components and Parts
Materials
Communication
System Integration
Satellite Application Services
Satellite Launch Services
Research Institute
Insurance and Safety



Taiwan Space Industry Development Association

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