

新星飛揚 乘勢而上



The Plan for Space Industry Supply Chain Development and
Communications Industry Talent Empowerment

2025 Approved Projects for Overseas Chinese and International Students

Space and 5G Communication Industries 2025.04

| 主辦單位 |



經濟部產業發展署
Industrial Development Administration, MOEA

| 執行單位 |



台北市電腦公會
TAIPEI COMPUTER ASSOCIATION

2025 Approved Space Industry Projects for Overseas Chinese and International Students (1/3)

Sorted alphabetically by company name

Company	Program	Field	Location
Auden Techno Corp.	Array Antenna Tracking and Control Technology in Satellite Communication System	System Integration Terminal	Taoyuan City Kaohsiung City
AWAN INC.	Low Earth Orbit (LEO) Satellite Antenna Design and Development	Subsystems	New Taipei City
BWant Co., Ltd	Practical Development of Electronic Steering Antennas (ESA)	Subsystems	New Taipei City
Foremostar Technology Co., Ltd	The development of phase array antenna for portable UT for multi-orbit satellites	Subsystems	Taichung City
Geminisat.Co.,Ltd	Integration of Image Compression & Satellite Communication Systems for unmanned vehicle applications	System Integration Terminal	New Taipei City Kaohsiung City
Precise Big Data company	Chip System Development for Low-Orbit Satellites and 5G Transmission	Others	Taipei City

2025 Approved Space Industry Projects for Overseas Chinese and International Students (2/3)

Sorted alphabetically by company name

Company	Program	Field	Location
Pyras Technology Inc.	Satellite-Side Remote Sensing Data Edge Computing - Optimization of Satellite Remote Sensing Data Transmission Efficiency (Satellite-Oriented Invalid Data Filtering Algorithm)	Subsystems	Taipei City New Taipei City Taoyuan City
	Maritime Satellite Ocean Color Remote Sensing Data Cleaning and Chlorophyll Concentration Algorithm Optimization Design	Subsystems	Taipei City New Taipei City Taoyuan City
	Design of an Offshore Fishing Ground Hotspot Prediction System by Integrating Maritime Satellite Chlorophyll, Sea Surface Temperature Data, and Ocean Environmental Parameters	Subsystems	Taipei City New Taipei City Taoyuan City
	Maritime Satellite Ocean Color Data Visualization Dashboard Design: Real-Time Monitoring and Historical Trend Analysis	Subsystems	Taipei City New Taipei City Taoyuan City

2025 Approved Space Industry Projects for Overseas Chinese and International Students (3/3)

Sorted alphabetically by company name

Company	Program	Field	Location
Ranictek Inc.	Baseband Circuit Design for Satellites and Ground Stations by FPGA	Key Components	Taipei City
Rapidtek Technologies Inc.	Development of CubeSat Systems	Subsystems	Taoyuan City
SATORO Taiwan Inc	Space Operation Trainee-Project of become a super star of satellite operation	Others	New Taipei City Taoyuan City Tainan City
SIMWARE Inc.	Computer-aided analysis applied to structural mechanics analysis of space vehicles	Others	Yilan County Taipei City
Tron Future Tech.	Cubesat integration and testing automation	System Integration Terminal	Hsinchu City Hsinchu County
	Research on Real-Time Imaging and Object Detection using Synthetic Aperture Radar	System Integration Terminal	Hsinchu City

2025 Approved 5G Communication Industry Projects for Overseas Chinese and International Students (1/4)

Sorted alphabetically by company name

Company	Program	Field	Location
ALFA Network Inc.	Integrate 5G with Wi-Fi HaLow for Smart Security and Smart City AIoT/IIoT IoT Applications	System Integration	Taipei City
Auden Techno Corp.	Smart Reflection Interface Application	System Integration	Taoyuan City Kaohsiung City
Auray Technology Corp.	Research on Multi-vendor Interoperability Based on 5G Open RAN CU/DU Disaggregation	Open Network	Kaohsiung City
AWAN INC.	Design and Development of Antennas for 5G Products	Component/ Transmission	New Taipei City
BWant Co., Ltd	Reconfigurable Intelligent Surface (RIS) Applications in FR3 and NTN	Component/ Transmission	New Taipei City
INPAQ Technology Co., Ltd.	Design and development of 5G(FR1) base station array antennas	Application	Taoyuan City

2025 Approved 5G Communication Industry Projects for Overseas Chinese and International Students (2/4)

Sorted alphabetically by company name

Company	Program	Field	Location
Precise Big Data company	5G AIoT Smart Healthcare for Atrial Fibrillation	Application	Taipei City
	5G AIoT Healthcare for Hyperkalemia Detection	Application	Taipei City
	5G AIoT in Sleep Care	Application	Taipei City
Precision Biotech	3D Image Generation Based on 5G Technology	Application	Taipei City
	DSP Applications for Drones	Application	Taipei City
	5G AIoT for Left Ventricular Hypertrophy Detection	Application	Taipei City

2025 Approved 5G Communication Industry Projects for Overseas Chinese and International Students (3/4)

Sorted alphabetically by company name

Company	Program	Field	Location
Pyras Technology Inc.	Satellite-Side SIP Server Architecture and End-toEnd Security Design - VoIP Communication System Simulation Based on L-Band SDR Satellite Communication Architecture	Private Network Terminal Equipment	Taipei City New Taipei City Taoyuan City
	Constructing Satellite Communication Security Architecture - Designing a Space/Ground Bi-Directional Authentication Protocol Using PKI Mechanism	Private Network Terminal Equipment	Taipei City New Taipei City Taoyuan City
	Constructing a Spaceborne/Ground-Based Software-Defined Radio (SDR) Platform for Satellite and Ground Communication	Private Network Terminal Equipment	Taipei City New Taipei City Taoyuan City
	Design of Offshore Fisheries NMEA Data Management and Analysis System : Vessel-Side Data Acquisition, Standardized Processing, and Shore Control Center Real-Time Monitoring Dashboard Integration	Private Network Terminal Equipment	Taipei City New Taipei City Taoyuan City

2025 Approved 5G Communication Industry Projects for Overseas Chinese and International Students (4/4)

Sorted alphabetically by company name

Company	Program	Field	Location
Ranictek Inc.	5G O-RAN Baseband Circuit Design by FPGA	Open Network	Taipei City
Tron Future Tech.	LEO Satellite Intra-Constellation Routing and 5G Core Network Integration	Open Network	Hsinchu City Hsinchu County

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Thank You!

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