



-RunSpace Innovation Challenge Briefing-

Presenter : Phoebe Huang, RunSpace Organizing Team

Agenda

- About Institute for Information Industry (III) ✨
- 2023 RunSpace Innovation Challenge Briefing – Scope and Timeline
- 2024 RunSpace Outlook ✨

Institute for Information Industry (III)

Founded in 1979 with the objective to promote the **ICT Industry** in Taiwan.

Positioned as the **think tank** and **motivator of technology development policies**.

Comprises six divisions, including **Market Intelligence & Consulting Institute(MIC)**, which focuses on **industry value chain**, offers **intelligence and insight** for our clients.

Since 2020, III has **dedicated multiple professional teams** to support the **government space program** to encourage **talent cultivation** and **industry development**.

Our Mission

- 1 **Boost Taiwan's space technology and market value by leveraging industry strengths.**
- 2 **Initiate strategic collaboration and partnership with domestic and international firms.**
- 3 **Cultivate talents by connecting domestic and global resource, to create a sustainable and diverse space talent pool and eco-system.**



Winners of 2022

48 Teams, 126 Participants (based in Taiwan)

HUI System



HUI System Hyper COMM

Revolutionary satellite data calculation service towards a new horizon of science and commercial market. HUI-system creates a new satellite transmission principle, with more agile, stable and economical. This new framework will break the current data transmission bottleneck and thus lower both financial and technical of building satellites.

Satellite Service

Flying Beethoven



Space Janitor

The indispensable bodyguards of space voyage. Space Janitor integrates the ion beam technology to clean the orbit, and to push away the meteorites and space debris. The modularized Space Janitor can collaborate with the space station to bring mutual advantage: providing safer trips for the space missions, while space station give logistic support for the Space Janitor.

Satellite Launch

Ion-shield



Satellite Radiation Protection Calculation & Service

A radiation calculation software based on Monte Carlo simulation and SHOELDOSE, to provide customers effective calculations of doses, materials, data and valuations required for radiation resistance. This software can assist traditional industries penetrate the space market rapidly by helping clients to know the accurate budget spent and to find suitable suppliers.

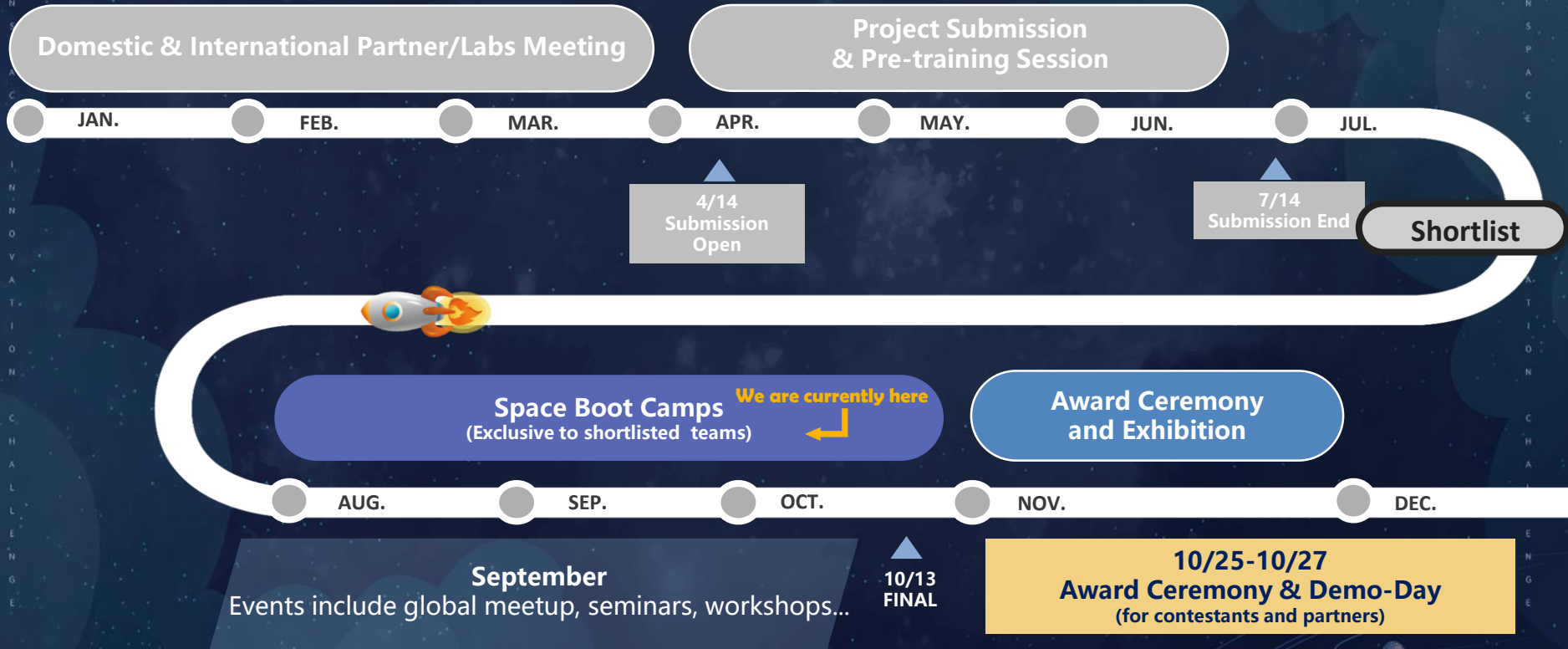
Satellite Manufacture

About 2023 RunSpace Innovation Challenge

- 2022→ 48 teams, 126 participants.
2023→ 76 teams, 176 participants. **14 teams enter to final stage.**
- Focusing on innovation applications of Ground Station and Service, Satellite Design, Satellite Service, Satellite Launches and Others.
- With Grand Prize of NTD 200,000 (US\$6,600)
- Seeing industry needs as core value → Business entities are invited as strategic partners/panel judges, to meet potential talents and ideas at first hand.
- Build and expand networking with Taiwan/global space firms and startups.



2023 Contest Timeline



Contest Rules (1/4)

THEMES

Focusing on innovation applications in Ground Equipment and Service, Satellite Service, Satellite Design, Satellite Launches and Others.



Ground Equipment and Service

- **Ground station:**
RF equipment, array antennas, power supply units, PCB, related electronic and mechanical components, data modulation and control, etc.
- **User terminals:**
VSAT, array antennas, data modulation and control etc.



Satellite Service

- Communications Satellite applications and solutions, edge computing, satellite broadband & IoT services, voice & Narrow-band data transmission, ICT etc.
- Satellite remote sensing and image recognition and data processing etc.
- Satellite Cyber security and resilience, data encryption, quantum communication, etc.



Satellite Design

Antennas and RF/baseband components and chips, software-defined satellites, RSI etc.

Contest Rules (2/4)

THEMES

Focusing on innovation applications in Ground Equipment and Service, Satellite Design, Satellite Service, Satellite Launches and Others.



Satellite Launches

Launch service solvation, launch service agent, and launch mission management consulting.



Others

Space environment cleaning, cosmic radiation detection space equipment detection technology, space agriculture, microgravity experiments, etc.

Contest Rules (3/4)

ELIGIBILITY

- Open to companies, startups, students, and non-students.
- Each team 1-5 people + 2 advisors (optional).
- Groups with interdisciplinary members are encouraged.

JUDGING CRITERIA

Innovativeness(40%)

Your work is unique and has less similarity with exist product/service in the market.

Future Influence(20%)

Your work has potential to bring sufficient impact to the industry.

Problem Solving(20%)

Your work has the ability to solves or improve an existing problem.

Business Potential (20%)

Your work has enough market relevance and business potential for future growth.

Contest Rules (4/4)

Stage 1 Preliminary

- Online registration
- Proposal slides submission
(10 pages)

Mandarin or English



Stage 2 Finals

- Project pitching
- Product/Service demonstration

Full English



2024 RunSpace Innovation Challenge

Go big, Go global
~Catalyzes cross-border innovation and industry collaboration in space field~

Global Talent Cultivation



Call for proposal for dreamers and talents around the world with diverse background.

Marketing Promotion



Increase brand awareness for our partners and winning teams

Global Networking and Affiliation



Alliance with Taiwan/global space enterprises and communities to strengthen networking and affiliation



Participants



Strategic Partners

✦ **Contact List** ✦

To learn more about being our partners
or joining as contestants in 2024,
please feel free to contact!

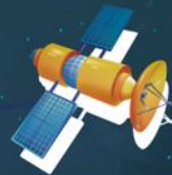
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RunSpace
INNOVATION CHALLENGE 2023



**RunSpace
Home Page**

