TAcc+ TAIWAN ACCELERATOR PLUS

2024 International SpaceTech Startup Supporting Program

Intro

Supporter 經濟部中小及新創企業署 SMALL AND MEDIUM ENTERPRISE AND STARTUP ADMINISTRATION MINISTRY OF ECONOMIC AFFAIRS

Co-Supporter TASA Taiwan Space Agency

Organizer ITRI Industrial Technology Research Institute

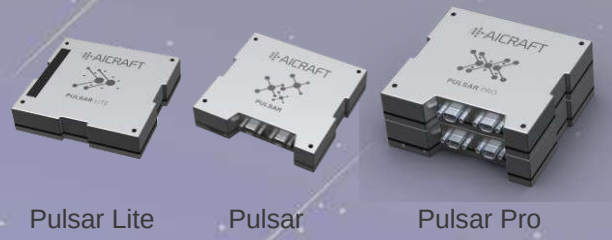
12 SpaceTech Startups Selected in 2024

- AICRAFT Pty Ltd
- DBSpace
- EtherealX
- IDDK Co., Ltd.
- LIA Aerospace Ltd.
- Manastu Space Technologies
- Omspace Rocket and Exploration Pvt Ltd
- OQ Technologies
- Reflex Aerospace
- Skyroot Aerospace Private Limited
- SpaceDreamS
- Tethys

AICRAFT Pty Ltd

- Founded: 2020/11/23
- Funding Status: Customers
- Web: www.aicraft.com.au

SPACE



Pulsar Lite | Pulsar | Pulsar Pro

INDUSTRIAL

NEO-1 | NEO-2 | NEXUS

Introduction:

We design and manufacture smart products for onboard AI computing of Big Data at the edge.

Core Technology/Competitive Advantage

- Compact and low-power edge devices
- Ultra-fast (high data volume) processing

Business Model

- Hardware-enabled Services
- Hardware-as-a-Service

Achievements & Milestones

- Pulsar in Janus-1 mission (Antaris Space)
- Pulsar in Waratah Seed 1 mission (CUAVA)
- 2024 Top 50 most innovative manufacturer

The ask

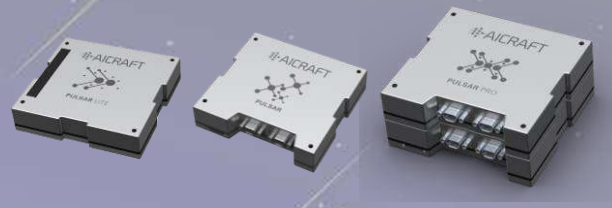
- PCB & 3D printing metal manufacturers
- System and payload developers
- AI/ML organisations and companies

AICRAFT Pty Ltd

AICRAFT

- 成立時間： 2020
- 募資狀態： Customers
- 網站：www.aicraft.com.au

SPACE



Pulsar Lite　Pulsar　Pulsar Pro

INDUSTRIAL

NEO-1　NEO-2　NEXUS

介紹：

AICRAFT設計和製造用於AI大數據邊緣運算的智慧產品。

核心技術/競爭優勢

- 小巧且低耗能產品
- 快速且大量的處理效能

商業模式

- 硬體使用
- Hardware-as-a-Service

成就與里程碑

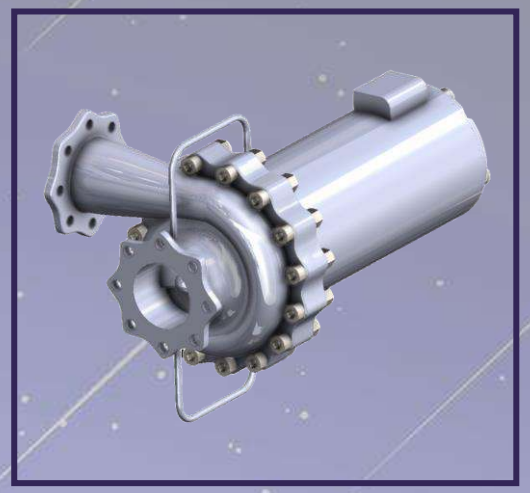
- Janus-1任務中的Pulsar（Antares）
- Waratah任務中的Pulsar（CUAVA）
- 2024前50大創新製造商

來臺目的

- PCB與3D列印金屬製造商
- 系統及酬載開發商
- AI及機器學習研發單位與公司

DBSpace

- Founded: 2021/07/13
- Funding Status: Seed
- Web: www.dbspace.technology



Introduction: DBSpace is the 1st IP factory in the world focusing on electric pumps and enabling the future of propulsion – in space and on Earth. DBSpace is now focusing on pumps for storable and cryogenic propellants to become a global leader of hydrogen turbomachinery technology. The startup is supported by the European Space Agency and backed by Exor Seeds – Vento Investments.

Core Technology/Competitive Advantage

- Advanced high-performance e-pumps for storable and cryogenic propellants
- Fast development cycles, agile R&D
- Cost-effectiveness

Business Model

- B2B
- Hardware-as-a-Service (reusable products for space applications)

Achievements & Milestones

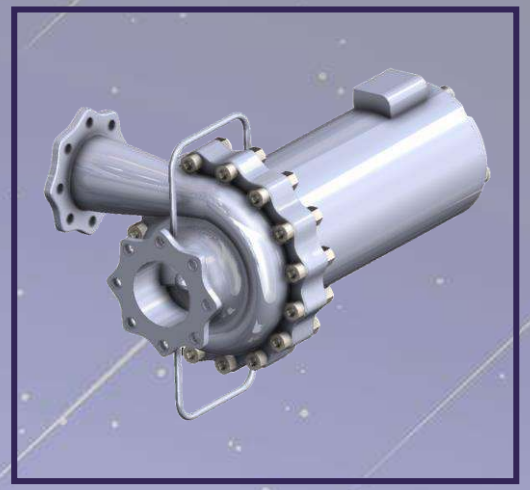
- Tech verification in lab environment
- Proprietary test facility for e-pumps
- LOIs signed with NewSpace companies
- Incubatee at ESA BIC Turin
- Accelerated by SpaceFounders program

The ask

- Partnerships with manufacturers of rockets, space vehicles and their propulsion systems
- Looking for suppliers of electric power train parts; bearings; seals

DBSpace

- 成立時間： 2021
- 募資狀態： 種子輪
- 網站：www.dbspace.technology



介紹：

DBSpace是全球第一個專注於電動泵並實現未來推進技術的IP工廠，目標應用於太空和地球。DBSpace目前專注於液態推進電動泵，致力於成為氫氣推進器技術的全球領導者。這家新創由歐洲太空總署支持，並得到Exor Seeds – Vento Investments的資助。

核心技術/競爭優勢

- 用於儲存低溫推進劑的高性能電動泵
- 開發週期快速
- 成本效益高

商業模式

- B2B
- Hardware-as-a-Service
  （可重複使用的太空應用產品）

成就與里程碑

- 地面技術驗證
- 擁有電動幫浦專用測試設施
- 與太空新創簽署LOI
- 參與歐洲太空總署 ESA BIC Turin 孵化器
- 參與SpaceFounders加速器

來臺目的

- 與火箭、太空載具製造商、以及推進系統製造商合作
- 尋找電力傳動系統零件、軸承、密封件的供應商

ETHEREAL EXPLORATION GUILD PRIVATE LIMITED (EtherealX)

- Founded: 2022/05/30
- Funding Status: Seed
- Web: www.etherealx.space

Razor Crest Mk-1

Introduction:

EtherealX's mission is to successfully build and operate the world's first fully reusable medium-lift Launch Vehicle - Razor Crest Mk-1 by 2027 and to operate at and drive the earth-to-orbit price significantly down to a launch price as low as $350/kilo which is 1/35th of the current global launch price avg. ($12,500/kilo). We will be the world's most affordable, sustainable, accessible, and economical choice for earth-to-orbit and back transportation.

Core Technology/Competitive Advantage

- Launch Price Range of $350/Kilo - $2000/Kilo (or)
- $8Mn - $45Mn per launch
- 16 Orbit insertions
- 72 Hour turnaround time for refurbishment, propellant loading, and relaunch

Business Model

- Expendable @ USD 50M per launch [73% Gross Margin]
- Partially Reusable @ USD 45M per launch [85-88% Gross Margin]
- Fully Reusable @ USD 8M onwards per launch [80% Gross Margin]

Achievements & Milestones

- First start-up in history outside of US and Europe to be invited to Beyond Gravity's Launchpad Program.
- First qualified hardware testing of the World's First seal-less injector aimed at reusability.
- Proprietary in-house software for Engine Design more accurate than NASA CEA and RPA.

The ask

- Provisioning of launch services for Taiwan's space ecosystem including launch insurance and compliance activities to cater for all customers and book our launch vehicle's payload.
- Securing suppliers for manufacturing of turbomachinery, electronics, on-board computer, ground stations and etc.

ETHEREAL EXPLORATION GUILD PRIVATE LIMITED (EtherealX)

- 成立時間： 2022
- 募資狀態：種子輪
- 網站：www.etherealx.space

Razor Crest Mk-1

介紹：

EtherealX目標在2027年前建造並發射世界上第一個可完全重複使用的中型運載火箭Razor CrestMk-1，並將地球到軌道的發射費用降至350USD/kg，是目前全球平均發射價格（12,500 USD/kg）的1/35，將成為世界上最實惠永續的地對地往返運輸選擇。

核心技術/競爭優勢

- 發射價格範圍為 350 ~2000 USD/kg 或每次發射 8M~45M USD。
- 16 個入軌火箭
- 72 小時翻新、推進器準備並重新發射

商業模式

- **消耗型火箭**
  每次發射花費50M USD（73%毛利率）
- **部分可重複使用型火箭**
  每次發射花費45M USD（85%~88%毛利率）
- **完全可重複使用型火箭**
  每次發射花費8M USD（80%毛利率）

成就與里程碑

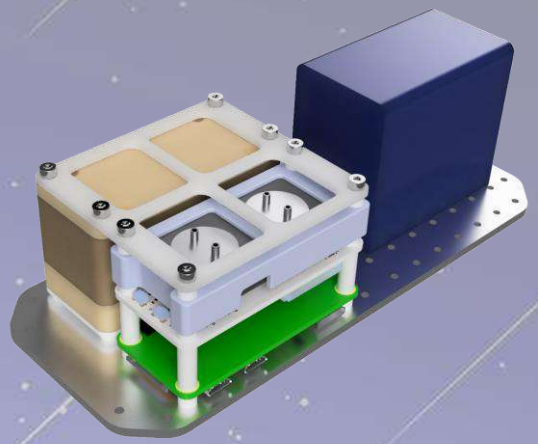
- 史上第一家美國和歐洲以外的新創公司受邀參加 Beyond Gravity 的 Launchpad Program。
- 自製全球第一臺可重複使用無密封噴射器，並已自行驗證通過硬體測試
- 引擎設計軟體比 NASA CEA 和 RPA 更精確

來臺目的

- 為臺灣的太空生態系統提供發射服務，包括發射保險和法規諮詢。
- 取得渦輪機械、電子、機載電腦、地面站等製造供應商。

IDDK Co., Ltd.

- Founded: 2017/06/17
- Funding Status: Series A
- Web: https://iddk.co.jp/app-def/S-102/iddk_wp/



Introduction:

IDDK provides bio experiment services in microgravity that leverage our patented microscopic observation technology, Micro Imaging Device (MID). We provide pharmaceutical and drug discovery companies with the opportunity to conduct experiments in space, which has special environments such as microgravity.

Core Technology/Competitive Advantage

Micro Imaging Device – one chip microscopic observation technology

Business Model

- Pay per experiment
- Partnership for space education

Achievements & Milestones

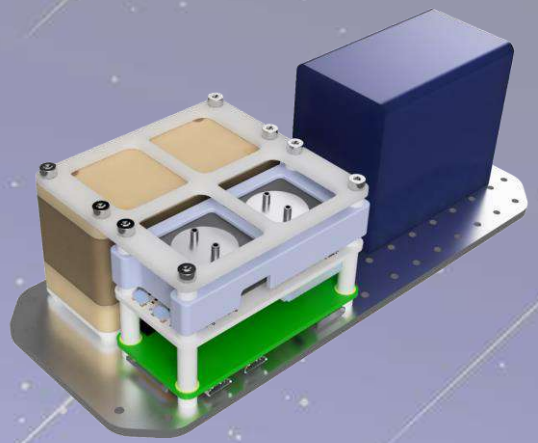
- Fundraised pre-series A from 3 venture capitals in 2023
- Will demonstrate our service in outer space in 2024

The ask

- Service verification
- Customer development

IDDK Co., Ltd.

- 成立時間： 2017
- 募資狀態： A輪
- 網站：https : //iddk.co.jp/app-def/S-102/iddk_wp/



介紹：

IDDK提供微重力生物實驗服務，利用IDDK專利顯微觀測技術-微成像設備（Micro Imaging Device, MID），為製藥和藥物研發公司提供在微重力等特殊環境下進行太空實驗服務。

核心技術/競爭優勢

- 微型成像裝置
- 單晶片顯微觀察技術

商業模式

- 按實驗（服務）付費
- 太空教育研究

成就與里程碑

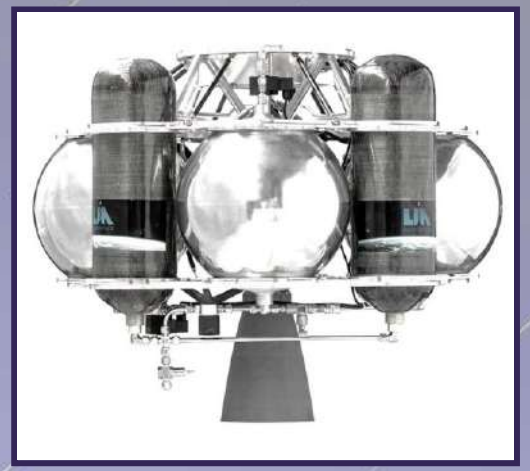
- 2023 年從 3 家創投公司募集到 Pre-A 輪資金
- 2024於太空中技術驗證

來臺目的

- 服務驗證
- 顧客開發

LIA Aerospace Ltd.

- Founded: 2021/03/03
- Funding Status: Seed
- Web: https://lia-aerospace.com/



Introduction:

LIA Aerospace develops non-toxic, high-thrust, chemical in-space propulsion systems at 20% the price and with a 6-month lead time. LIA works to ensure satellite, spacecraft, launch and lunar lander companies don't need to choose between reliability, performance, speed and costs.

Core Technology/Competitive Advantage

- Cost-effective
- Fast, responsive maneuvers
- Non-toxic, storable propellants
- Short lead times

Business Model

- Direct sale of propulsion systems
- Licensing of propulsion systems and propellants

Achievements & Milestones

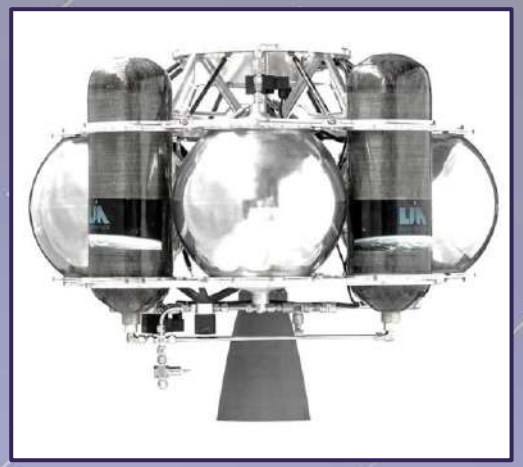
- 20+ thrusters hot fired
- 60+ seconds of accumulated burn on a single thruster

The ask

- £ 5 MM
- To achieve spaceflight qualification

LIA Aerospace Ltd.

- 成立時間： 2021
- 募資狀態： 種子輪
- 網站：https : //lia-aerospace.com/



介紹：

LIA Aerospace開發無毒、大推力的化學太空推進系統，僅需原先20%的價格，且交貨期只需6 個月。 LIA 致力於確保衛星、太空船、發射與登月公司無需在可靠性、性能、速度和成本之間做出選擇。

核心技術/競爭優勢

- 成本效率
- 快速、機動性
- 無毒、可儲存的推進劑
- 準備時間短

成就與里程碑

- 20+推進器驗證
- 單一推進器累計燃燒 60 秒以上

商業模式

- 推進系統的直接銷售
- 推進系統和推進劑的授權發放

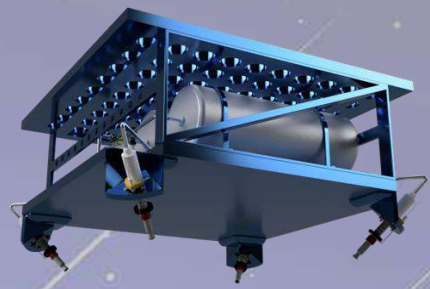
來臺目的

- 與臺灣公司、機構、新創創造合作機會
- 尋找新客戶和供應商
- 取得飛行履歷
- 尋找投資和融資機會，募資£ 5 MM

Manastu Space technologies

MANASTU SPACE

- Founded: 2017/04/17
- Funding Status: Pre-Series A
- Web: https://www.manastuspace.com/



Introduction:

Manastu Space stands at the forefront of space technology, pioneering solutions to tackle the challenges of space debris and enhance satellite safety. Our innovative green propulsion system is designed for agility, superior performance, and significant cost savings, redefining standards in space technology and advancing the future of satellite missions.

Core Technology/Competitive Advantage

- Efficient & Reliable Engine Design
- Proprietary hydrogen peroxide-based fuel
- Ultra-High Temperature Ceramic Catalyst
- 20x times more agile
- 50% increase in performance
- 60% reduction in operational costs
- Eliminates toxic hydrazine,reducing environmental and operational risks

Business Model

- Sells affordable propulsion systems to satellite startups.
- Markets via LinkedIn, emails, and events.
- Funded by VC, angels, grants, and customers.
- Systems are 60% cheaper, with 50%+ profit margin.
- Offers in-space refueling and de-orbiting.
- First customized system at low cost to build relationships.

Achievements & Milestones

- Raised USD$ 3 million in pre-series A funding.
- Completed TRL 7, on track for TRL 8 and 9.
- 3 paying customers, MoUs & LoIs - USD$100 Million.
- IOD (In Orbit Demonstration) is scheduled for the last quarter of 2024.

The ask

- Technology exchange and joint R&D.
- Leverage Taiwan's green tech sector & private and government funding for growth.
- Utilize supply chain & semiconductor industry for efficient production and procurement.

Manastu Space Technologies

MANASTU SPACE

- 成立時間： 2017
- 募資狀態： Pre- A 輪
- 網站：https：//www.manastuspace.com/

介紹：Manastu Space致力於太空碎片的挑戰和加強衛星安全。環保推進系統設計靈活、性能卓越，並節省成本，推動未來衛星任務的發展，重新定義了太空技術標準。

核心技術/競爭優勢

- 效率且可靠的引擎設計
- 過氧化氫燃料
- 超高溫陶瓷催化劑
- 靈活性提高 20 倍
- 性能提升 50%
- 營運成本降低 60%
- 消除有毒氨，降低環境和運作風險

商業模式

- 向衛星公司銷售經濟實惠的推進系統
- 透過 LinkedIn、電子郵件和活動進行行銷
- 資金來源包括創投、天使投資、捐贈和客戶
- 系統價格便宜 60%，利潤率超過 50%
- 提供太空燃料補充和脫軌服務

成就與里程碑

- 在 A 輪前融資中獲得 3百萬美元
- 已完成 TRL 7，正在進行 TRL 8 和 9
- 3 個付費客戶、協議備忘錄和意向書--總金額1億美元
- 預計於2024 年Q4在太空軌道上進行驗證（IOD）

來臺目的

- 技術交流及聯合研發
- 尋找臺灣的綠色科技產業以及投資機會
- 透過供應鏈和半導體產業實現高效生產和採購

Omspace Rocket and Exploration Pvt Ltd

- Found Date: 2020
- Funding Status: Seed
- Web: www.omspace.in

Introduction: Omspace Rocket and Exploration Pvt Ltd is an innovative Indian aerospace company focused on developing reusable space launch vehicles and providing satellite services on demand. With expertise in satellite manufacturing, Omspace offers end-to-end solutions for global clients, making space more accessible and cost-effective. The company is committed to advancing India's space capabilities and fostering global partnerships.

Core Technology/Competitive Advantage

Omspace leverages reusable space launch vehicle technology and offers satellite manufacturing on demand. We have Advance Avionics System. This enables cost-effective and reliable access to space.

Business Model

- Launch Services for Small Satellite under 100Kg Payload.
- service-based model, providing end-to-end satellite solutions.
- Space Tech Skill Development To University

Achievements & Milestones

Successfully test-fired India's first 100% Made in India rocket engine; established international projects in North America, Australia, and the UK.

The ask

Seeking partnerships and Vendors, investment to scale operations and expand market reach.

Omspace Rocket and Exploration Pvt Ltd

- 成立時間: 2020
- 募資狀態: 種子輪
- 網站: https://www.omspace.in/

介紹：

Omspace Rocket and Exploration Pvt Ltd 是一家創新的印度航太公司，專注於開發可重複使用的太空運載火箭，並根據需求提供衛星服務。Omspace 擁有衛星製造的專業知識，為全球客戶提供端對端的解決方案，使太空更容易獲得且更具成本效益。公司致力於提升印度的太空能力，並促進全球夥伴關係。

核心技術/競爭優勢

- Omspace 利用可重複使用的太空運載火箭技術，提供按需衛星製造服務。
- 我們擁有先進的航空電子系統。以具成本效益和可靠的方式進入太空

商業模式

- 100 公斤以下的小型衛星發射服務
- 為大學提供專業太空技術培訓
- 以服務為基礎的模式，提供端對端衛星解決方案

成就與里程碑

- 成功試射印度第一台 100% 印度製造的火箭引擎
- 在北美、澳洲和英國建立國際專案

來臺目的

尋求合作夥伴和供應商、投資以擴大營運規模和市場範圍。

OQ Technology

OQ TECHNOLOGY

- Founded: 2016
- Funding Status: Raising Series B
- Web: https://oqtec.com

Introduction:

OQ Technology is the world's first global satellite 5G IoT operator providing uninterrupted cellular coverage for your assets and machines anywhere on the planet.

Core Technology/Competitive Advantage

4G/5G IoT Connectivity from space – Market frontrunner with 10 operational satellites providing commercial services globally.

Achievements & Milestones

- Established subsidiaries in Greece, Saudi Arabia and Rwanda
- Launched 10 satellites in orbit

Business Model

- B2B
- B2C

The ask

- 30 Million EUR in Series B from New & Existing Investors to launch 20 more satellites
- Leverage Taiwanese Semiconductor Ecosystem for identifying the right partner for NTN IoT chipset

OQ Technology

OQ TECHNOLOGY

- 成立時間： 2016
- 募資狀態： B 輪
- 網站：https：//oqtec.com

介紹：

OQ Technology 是全球首家衛星 5G 物聯網營運商，可在任何地方為您的資產和機器提供不間斷的行動網路覆蓋。

核心技術/競爭優勢

來自太空的 4G/5G 物聯網連接 - 市場領導者，在全球擁有 10 顆營運衛星，提供商業服務。

商業模式

- B2B
- B2C

成就與里程碑

- 在希臘、沙烏地阿拉伯和盧安達設立子公司
- 已在軌道上發射 10 顆衛星

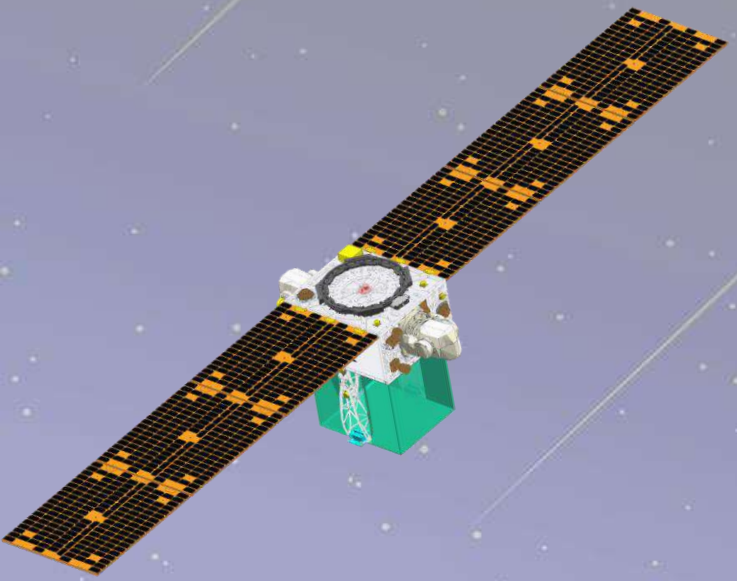
來臺目的

- 來自新舊投資者的 3,000 萬歐元 B 輪投資，用於發射另外 20 顆衛星
- 透過臺灣半導體產業為 NTN 物聯網晶片組尋找合作夥伴

Reflex Aerospace

(Germany: Berlin and Munich)

- Founded: 2021/05/01
- Funding Status: Series A
- web: www.ReflexAerospace.com



Introduction:

Reflex designs and manufactures sophisticated satellites that provide the volume, power, and performance to host even the most demanding payloads. The goal is to enable our customers to deploy payloads in space that generate the best data quality and quantity. This helps them to fully fulfill their use and business cases. Our Satellites can host payloads from 30 kg -250 kg for use cases like: Earth observation (EO), SatCom, GNSS / LEO PNT, SigInt, and others.

Core Technology/Competitive Advantage

- Rapid development processes enable from vision to satellite in < 18 months
- S/W defined satellites allow in-orbit mission adaption

Business Model

- Development of tailored, stand-alone satellites and constellations
- Development of turnkey end-to-end missions (mission planning, satellite design, payload procurement, operations)

Achievements & Milestones

- 1st satellite launch in Oct. 2024
- 3 more missions in the pipeline
  - ➢ Earth observation and SatCom
  - ➢ To be launched in 2025, ‘26, ’27

The ask

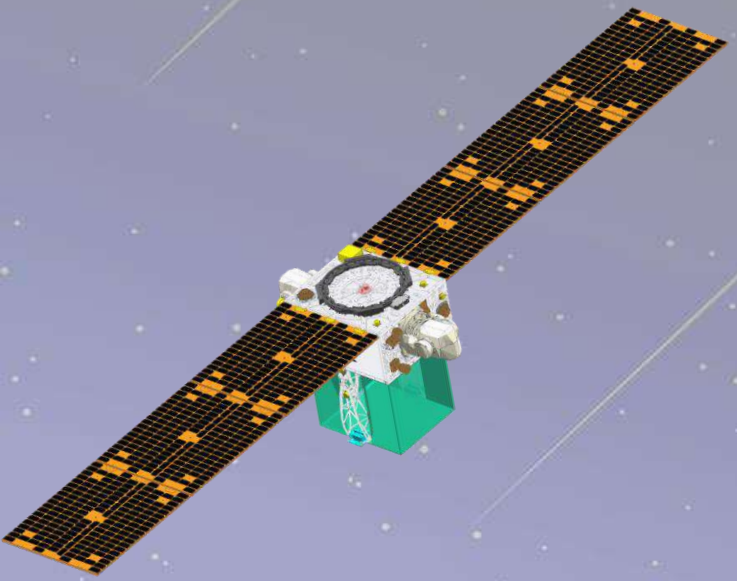
Introduction to

- Customers for satellites, constellations
- Partners for mutual project
- Component + subsystem suppliers

Reflex Aerospace

(Germany: Berlin and Munich)

- 成立時間： 2021
- 募資狀態： A 輪
- 網站：
  www.ReflexAerospace.com



介紹：

我們致力於設計和製造精密衛星，目標是使客戶能夠在太空中部署酬載，並收集最多的資料與最佳的數據品質。我們的衛星可承受30公斤至250公斤的酬載，適用於遙測、衛星通訊、GNSS / LEO PNT、SigInt 等。

核心技術/競爭優勢

從任務構想到遞交衛星，小於18個月的快速開發

商業模式

- 客製化衛星
- 全套端對端飛行任務（飛行任務規劃、衛星設計、酬載採購、地面操作）

成就與里程碑

- 2024 年 10 月發射第一顆衛星
- 還有 3 個任務正在籌備中
  - ➢ 地球觀測和衛星通訊
  - ➢ 將於2025年、26 年、27 年發射

來臺目的

- 尋找客戶
- 尋找合作夥伴
- 零件 + 次系統供應商

Skyroot Aerospace Private Limited

- Found Date: 2018/06/12
- Funding Status: Pre Series C
- Web: www.Skyroot.in

Vikram Series Launch Vehicles

Introduction:

Skyroot Aerospace, headquartered in Hyderabad, India, pioneers affordable, reliable space services with the Vikram series (VK-I, II, III). The Vikram-S suborbital launch marked South Asia's first private spaceflight, validating technologies in propulsion, avionics, and more. With over 300 professionals, Skyroot excels in carbon composites, cryogenic, and liquid engines, preparing for a Q4 2024 orbital launch.

Core Technology/Competitive Advantage

- Launch Vehicle propulsion systems
- Carbon Composites
- Avionics and GNC

Achievements & Milestones

- Vikram-S Suborbital flight,
- Validated many technologies for orbital flight with flight expected by end of the year 2024.
- Pre Series C : Raised USD 95 mn

Business Model

Provide launch services to the commercial and government customers.

The ask

To enhance launch capabilities and overall infrastructure through Taiwan's strategic location in East Asia offers for logistical advantages for regional space missions and satellite deployments in the Asia-Pacific region.

Skyroot Aerospace Private Limited

- 成立時間： 2018
- 募資狀態： Pre-C輪
- 網站：www.Skyroot.in

Vikram Series Launch Vehicles

介紹：

Skyroot Aerospace 公司總部位於印度海得拉巴，透過Vikram 系列（VK-I、II、III）開創了經濟實惠並可靠的太空服務。 Vikram-S 次軌道發射標誌著南亞首次私人太空飛行，驗證了推進器、航空電子設備等方面的技術。 Skyroot 公司擁有 300 多名專業人員，擅長碳複合材料、低溫和液體發動機，並準備 2024 年Q4的軌道發射任務。

核心技術/競爭優勢

- 運載火箭推進系統
- 碳複合材料
- 航空電子設備和 GNC

商業模式

為政府與民間客戶提供發射服務

成就 & 里程碑

- Vikram-S 次軌道飛行、
- 驗證多項軌道飛行技術，預計將於 2024 年Q4發射。
- C 輪融資前：融資 9,500 萬美元

來臺目的

透過臺灣在東亞的戰略位置加強發射能力和整體基礎設施，為亞太的區域太空任務和衛星部署提供後勤優勢。

SpaceDreamS

- Founded: 2021/03/29
- Funding Status: Series A
- Web: https://www.spacedreams.com/

Introduction:

Created in 2021, based in Paris and Toulouse, SpaceDreams is a spaceport architect. We aim to enhance the competitiveness of launchers through the development of interoperable and modular launch pads. The company provides turnkey ground systems solutions for launchers and spaceports, as well as launch and operational maintenance services, in order to reduce the cost and time of access to space. A multiple winner of the France 2030 program, SpaceDreamS benefits from the support of the CNES, ESA and European Commission to support the growth of its clients worldwide.

Core Technology/Competitive Advantage

- With the interoperability of the launch site, multiple launchers can use a single launch pad, which reduces overall costs.
- The modularity of our ground systems allows them to be moved to different sites, increasing launch capacities.

Achievements & Milestones

- Design and manufacturing of interoperable and modular ground means for launchers and spaceports.
- France 2030 and Horizon Europe laureate.

Business Model

- **Turnkey solutions for ground segment**
  We produce a launch pad interoperable with any type of launchers.
- **Spaceport and launch operator**
  We can provide a spaceport global offer with a price per launch to have access to a sea launch pad, as well as launch operation services.

The ask

- Taiwanese launcher: We can help Tispace to build, operate and maintain its ground segment including the launch pad, cryogenic fluids.
- Establishing a network of industrial and institutional partners.

SpaceDreamS

- 成立時間：2021
- 募資狀態：A輪
- 網站：https：//www.spacedreams.com/

介紹：

SpaceDreamS是一家航太發射場設計公司，總部於法國巴黎和土魯斯。目標是透過開發模組化發射臺，提高發射載具的競爭力。公司為發射裝置和太空港提供全套地面系統解決方案以及發射和運行維護服務。

SpaceDreamS是法國2030計畫的多次獲獎者，並得到法國太空總署（CNES）、歐洲太空總署（ESA）和歐盟執委會（European Commission）的支持，為全球客戶提供支援。

核心技術/競爭優勢

- 發射場具有互通性，多個發射裝置可以使用同一個發射臺，降低整體成本
- 地面系統採用模組化設計，可以移動到不同的地點，從而提高發射能力

商業模式

- **地面段全套解決方案**
  發射臺可與任何類型的發射器通用
- **航太發射場和發射運營商**
  提供太空港全球報價，以報價提供海上發射臺的使用權以及發射操作服務

成就 &里程碑

- 設計和製造用於發射器和航太發射場的模組化地面設備
- 法國 2030 和 Horizon Europe 得主

來臺目的

- 臺灣發射裝置： 我們可以幫助臺灣太空公司建造、運作和維護其地面設備，包括發射臺和低溫液體
- 建立工業和機構合作夥伴網路

Tethys

- Founded: 2023/04/25
- Funding Status: Seed
- Web: https://tethys.cool

Introduction:

We are the provider of Thermal Control Solutions. Lightness, high efficiency, low-consuming and high-power transport needs fit with our Hardware Proposal. Today, our flagship product, *Tempesta*, a miniaturized, fully portable and wearable device, provides personalized thermal comfort to individuals operating in extreme conditions. We are preparing a new Thermal Control System for Space Suits and we provide heat sinks to very high dissipative payload units for Spacecraft operations.

Core Technology/Competitive Advantage

- Miniaturization
- Nuclear and Space Technology embedded
- Versatility and Adaptability
- Space Expertise

Achievements & Milestones

- Early Product Development: Successfully developed the first prototypes of the Tempesta device
- Currently testing the product in the industry (Nuclear, Manufacturing, etc.)

Business Model

- Provide tailored solutions
- Direct Sale
- Subscription Services, ensuring continuous optimal performance

The ask

- Partnerships: Development Projects
- Support in Scaling Production (Manufacturing Assistance, Investment in Production Facilities)
- Market Entry Support, Sales and Distribution Channels

Tethys

TETHYS

- 成立時間：2023
- 募資狀態：種子輪
- 網站：https：//tethys.cool

介紹：

提供輕巧、高效、低消耗和高功率的熱控解決方案。旗艦產品 Tempesta 是一種小型化的可穿戴設備，可在極端條件下工作的個人提供合適的溫度。我們正在開發太空衣的熱控系統，並為衛星的高耗能酬載提供散熱器。

核心技術/競爭優勢

- 微型化
- 核能與太空技術
- 多功能性和適應性

商業模式

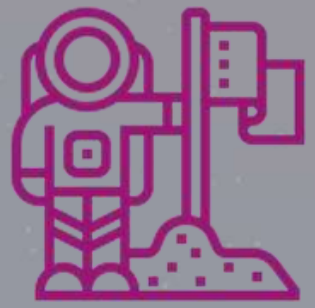
- 提供客製化解決方案
- 直接銷售
- 訂閱服務

成就與里程碑

- 早期產品開發：Tempesta 設備的原型
- 在工業領域（核工業、製造業等）測試產品

來臺目的

- 合作夥伴
- 協助擴大生產規模（生產援助、生產設施投資）
- 市場化支援、銷售和分銷管道

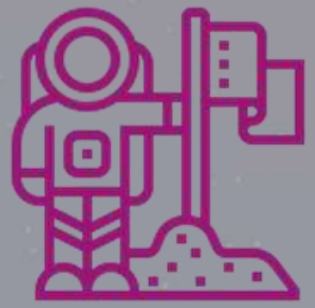


Meet Up with International SpaceTech Startups

During the International Space Startup in Taiwan (9/30-10/25), if you are interested in having further discussions with these startups, please scan the QR code and select the startups you wish to engage with. We will arrange the matching process accordingly.

If you have any questions, please do not hesitate to contact us.

林子傑 Dr. Jerry Lin：jerrylin@itri.org.tw
王絜　Ms. Jess Wang：jess@itri.org.tw
廖子綺 Ms. Laura Liao：lauraliao97@itri.org.tw



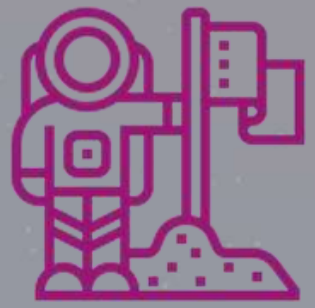
與國際太空新創有約

在國際太空新創在臺期間（9/30-10/25），如果您對這些新創有意願進一步洽談，請掃描QR　code並勾選希望洽談對象，我們後續會安排媒合。

如果有任何疑問 也歡迎與我們聯繫。

林子傑 Dr. Jerry Lin：jerrylin@itri.org.tw
王絜　Ms. Jess Wang：jess@itri.org.tw
廖子綺 Ms. Laura Liao：lauraliao97@itri.org.tw

TAcc+ TAIWAN ACCELERATOR PLUS



To Infinity and Beyond!

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Supporter 經濟部中小及新創企業署 SMALL AND MEDIUM ENTERPRISE AND STARTUP ADMINISTRATION MINISTRY OF ECONOMIC AFFAIRS

Co-Supporter TASA Taiwan Space Agency

Organizer ITRI Industrial Technology Research Institute