





















SPACE ACCELERATOR

ALUMNI OVERVIEW

Mission 11 - UK & US Programs

Company	Location	Sector	Stage	Web	Description
Seraphim Space Program (UK)					
	Lithuania	Downstream	Seed		Astrolight is creating an optical communication system for low-Earth-orbit satellites that has 10 times more bandwidth at 50% cost of the existing radio-based communication systems.
	Singapore	Downstream	Seed		Earth Observation (EO) business model is inefficient as it is still operated as a scientific discipline rather than a business model. Earth Eye is developing the first Easy to access data platform for EO, allowing fast and easy access to data.
	India	Upstream	Seed		GalaxEye is building the world's first Multi Sensor Imaging Satellite solving the deficiencies of current Satellite Images in the entire world. Today's Earth Observation Satellites have major weaknesses with either poor availability due to natural conditions or all-time data gathering but data overloading. GalaxEye solution uses both SAR and Multispectral imaging.
	Italy	Upstream	Seed		Kurs Orbital is developing the rendezvous and docking technology to solve the issue of reusability and servicing for the majority of satellite operators -- to give them the technology they can use for extending the commercial life of their spacecraft, de-orbiting, orbital inspections and relocation missions. Based on proven, patented technology with over 300 successful dockings since 1985.
Generation Space Program (US)					
	US	Downstream	Seed		The space industry's growth through the private sector is affected by potential risks related to event, resource and operation risks. Allocation Space is developing the first platform working toward hedging such risks. The company platform allows for Swap execution to provide financial hedging tools and thus reduce operational and resource risks.
	US	Upstream	Seed		Amini is pioneering the development of African Data infrastructure with its own constellation of IOT-integrated nano-satellites, enabling near real-time and low-cost data collection over Africa. The company will provide insights and decision-making tools through APIs, resulting in a vertically integrated data platform.







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Company	Location	Sector	Stage	Web	Description
	US	Upstream	Seed		Orbital Composites uses Robotics, AI and Recyclable Materials to 3D print advanced composites for terrestrial and in-space applications. The company can mass-produce satellites, antennas, and heat shields for the space industry. Orbital can build Space antennas, among other with a 100X cost reduction, without the presence of any payload constraints.
	US	Upstream	Seed		Spaceium is developing fully reusable in-space refuelling stations that can store and transfer cryogenic fuel in space with a unique docking mechanism to support current and future space vehicles. Current space vehicles' mass is 80%-90% propellant. limiting range and payload. By eliminating the factor of space vehicles having to bring their mission propellant, space launches become cost-effective and sustainable.
	US	Upstream	Seed		Virtus Solis designs and manufactures space solar power plants for sale to energy operators, taking a license fee on energy generated. The system architecture allows pricing below \$30/MWh to global energy users over a 20 year amortization period. The company has already demonstrated the technology at 1W, 9W and 68W at 100m distances. WThe company plans to enter the energy market with a clean, safe and renewable source.

Mission 10 - UK & US Programs

Company	Location	Sector	Stage	Web	Description
Seraphim Space Program (UK)					
	Slovakia	Downtstream	Seed		3IPK develops blockchain-based software solutions for aerospace and other highly regulated industries. The company's solutions reduce costs of management of critical data related to complex aerospace products which are generated by globally distributed complex supply chains.
	Japan	Beyond Earth	Seed		Elevation Space is a Japanese space startup company established in February 2020 based on the technology of Yoshida and Kuwahara Laboratory at Tohoku University in Japan, which has developed more than 10 small satellites. The company is developing a platform "ELS-R" which can conduct space experiments, test and manufacturing inside satellites to replace the ISS.
	Finland	Upstream	Seed		ReOrbit's vision is to enable the next generation of space applications by adopting an approach that transforms the traditional thought of making rigid and single-use satellites into reusable, flexible, and low-cost space systems. The company has developed a set of technologies to make spacecraft platforms modular and configurable to accommodate different types of payloads, and equipped with built-in autonomous orbital capabilities and a software-defined architecture.
	UK	Beyond Earth	Seed		Space DOTS is on a mission to make on-orbit qualification of advanced materials faster, cheaper and simpler - reducing CAPEX and Time to Market of novel materials for space technology applications, in all Space Environments. The company is developing the first pico-payload with proprietary active testing systems and an end-to-end logistics portal to accelerate on-orbit qualification of advanced materials at a higher validity and an order of magnitude lower in cost, time and complexity than currently available solutions.
Generation Space Program (US)					
	US	Upstream	Seed		Auriga are building an electromagnetic space launch system to provide low-cost, reliable and frequent launches to low Earth orbit. Traditional rockets are highly inefficient, and can only place 1-2% of their total lift-off mass to a usable orbit. To achieve an order of magnitude reduction in cost from the existing solutions and launch at a responsive rate, we need to look beyond traditional chemical rockets.
	US	Beyond Earth	Seed		Kall Morris Inc (KMI) is a space solutions company that removes and repurposes uncooperative objects in orbit, to protect critical space assets and continue building the future.

















Mission 10 - UK & US programs

Company	Location	Sector	Stage	Web	Description
	Australia	Upstream	Seed		<p>Nominal Systems provides digital engineering products that make space simpler, safer and more sustainable. By fusing the latest in gaming technologies with state-of-the-art simulation, Nominal helps users make the right decision faster and with more confidence across their entire mission. From rapid concept design with its unique drag-and-drop mission configuration and scenario modelling environment to the digital twinning API, which lets you plan and understand your in-orbit missions better, Nominal is ready to help you design the best space mission and operate it at scale.</p>
	US	Beyond Earth	Seed		<p>Rhea Space Activity (RSA) ideates and creates high-risk / high-reward technologies to support US national security objectives. RSA is currently developing the Jervis Autonomy Module (JAM), a plug-and-play satellite subcomponent enabling onboard autonomous navigation of any size spacecraft or aircraft. JAM significantly decreases the cost, labor, and frequency of communications for maneuvering in space by removing the need for two-way ranging.</p>
	Canada	Downtstream	Seed		<p>Terris is a cloud software platform that harnesses the immense amount of data available from EO satellites in modern constellations, automates the processing and fusing of it into 3D immersive visualizations, and delivers AI-based analytics and insights, such as change detection, on-demand.</p>

Mission 9

Company	Location	Sector	Stage	Web	Description
	Germany	Upstream / Collect / Earth Observation	Pre-Seed		AIRMO will offer a unique green-house gasses (GHGs) emissions monitoring service in support of continuous global monitoring of several GHGs. The company will supply customers with high resolution concentration data on CO2 and CH4, emissions visualization aligned to the map and historical database with raw data.
	US	Ecosystem / Beyond Earth	Seed		Cislunar Industries is looking to develop and build an in-orbit Micro Space Foundry, capable of processing materials where needed, subsequently converting these resources into valuable materials for the further development of space exploration.
	UK	SaaS Platform / Downstream	Pre-Series A		DeepPlanet has created VineSignal, a prediction-based SaaS platform utilizing satellite data, IOT sensors and AI to assists growers and viculturists to manage yield, maturity and irrigation.
	UK	Upstream / Launch Services	Seed		Lúnasa is a UK-based startup developing the technology to provide in-orbit satellite services to the space industry. The company develops an innovative, reusable and affordable dual-stage spacecraft that will provide in-space transportation and last-mile delivery services for nanosatellites and microsatellites.
	Norway	Downlink / Cybersecurity	Seed		Ntention is a deep tech company focused on building an interaction system that empowers astronauts to intuitively interact with and operate extended reality (XR) systems and robotic assets in space.
	UK	Build / Electronics & Robotics	Seed		ODIN Space seeks to deliver the most accurate and reliable data on invisible, yet lethal orbital debris via a state-of-the-art network of impact detectors deployed on every satellite, on every orbit.
	UK	Build / Electronics & Robotics	Pre-Seed		SmartIR is a University of Manchester spin-out founded to develop and commercialise a disruptive patented thermal management solution and other multispectral solutions operating between microwave and visible light. The company's initial focus is on joint development opportunities in Satellite markets, producing fully adaptive lightweight thermal radiators, providing satellite manufacturers with a ground-breaking on demand, robust temperature control solution in the challenging space environment.

Mission 8

Company	Location	Sector	Stage	Web	Description
	Luxembourg	Build / Materials & Energy	Seed	 	Innovative production technology based on composite materials, automation and digital design. All-in-one hardware, materials & software solutions for additive manufacturing of optimized lightweight structures for aerospace applications.
AQUARIAN SPACE	US	Ecosystem / Beyond Earth - Space Logistics	Seed	 	Aquarian Space is an interplanetary internet service provider pioneering the foundational infrastructure for a fully networked Solar System. To address unmet demand, Aquarian's SOLNET satellite solution offers faster and more cost-effective cislunar data delivery to compliment the oversubscribed Deep Space Network. This relieves a major bottleneck in lunar and deep space communications and opens the door for humanity's expansion into the next frontier.
	US	Platform / Satellites	Seed	 	Array Labs is building a constellation of earth observation satellites capable of generating extremely high-resolution digital elevation models on a global scale; with quality levels exceeding that of airborne LiDAR at a fraction of the cost.
	France	Build / Software & Engineering	Seed	 	The space industry is booming with thousands of new commercial players spending 11.2 B€ per annum to build and run their space software. Leanspace is the first cloud platform dedicated to space missions. It provides a large collection of web services that space organisations use to easily build digital, collaborative and integrated space systems. Leanspace's cloud products provide the generic functions of space software, all standardised and easy to integrate, so building software on the leanspace cloud cuts development time by 5 and halves the cost.
MISSION SPACE	Luxembourg	Upstream / Collect	Seed	 	Mission Space develops a satellite-based real-time nowcast and forecast system for one of the highest priority natural hazards in the world - space weather. With custom sensors launched on LEO, Mission Space ultimately delivers a user-oriented decision support tool to provide space weather forecasts and warnings where they are needed the most.
	Ireland	Build / Software & Engineering	Seed	 	Ubotica is leading the race to deploy advanced Artificial Intelligence technologies on board every satellite. Their hardware and software platform, CogniSat™, overcomes the bottlenecks that have curtailed the Satellite Data Services sector to date

Mission 7					
Company	Location	Sector	Stage	Web	Description
	India	Product / Data Platform	Seed	 	Data itself is the biggest bottleneck in the 100 billion dollar digital transformation market. The complexity of the data is a huge pain point in the digital transformation journey. By bringing cutting edge innovation into this pipeline, 114ai's platform will enable enterprises to minimise friction in unlocking the value of big data solutions, democratising data fusion for non-coders.
	UK	Product / Mapping & Monitoring	Seed	 	Natural disasters are increasing in both frequency and severity as a result of climate change, resulting in billions worth of crop damage every year. BirdsEyeView addresses the 75% of agricultural risks that remain uninsured. By harnessing satellite imagery, big-data, and advanced climate-modelling, the company provides agribusinesses globally with transparent and uncomplicated weather-risk insurance.
	UK	Data / Earth Observation	Seed	 	Celestial Eye is moving toward global ubiquitous accurate weather forecast. They will do this using their world-class, first of its kind miniaturized space sensor platform. With weather variability playing an increasingly vital role across multiple industries such as energy, finance and agriculture, there's growing demand for timely and accurate weather insights. A spin-out of RAL space - a world-leading Earth Observation research institute - Celestial Eye aim to disrupt this multi-billion dollar market.
	US	Build / Space Hardware	Seed	 	Space weather has been a key challenge to Space Infrastructure from satellites to human exploration. With its state-of-the-art composite materials and forecasting systems, Cosmic Shielding Corporation can mitigate billions in yearly Space radiation damage and enable safe passage for human beings in space. Based on decades of mission proven research from NASA and ESA, CSC is bringing these technologies to the commercial space.
	US	Beyond Earth / Space Exploration & Resources	Seed	 	G-SPACE is optimizing in-space manufacturing from Earth. Unique materials with unrivalled properties such as fiber optics are being created in space in a race to conquer a trillion-dollar market. Led by a founder with 15+ years of experience at NASA, G-SPACE's disruptive platform combines a state-of-the-art experimentation technique with world-leading Machine Learning software that can reduce costs, increase reliability and unlock new materials for a new age.
	US/UK	Build / Space Hardware	Seed	 	NewOrbit enables satellites to effectively operate at extremely low altitudes; 3 times lower than conventional LEO satellites with better resolution and signal for the same size. This will unlock new possibilities in a collective \$76B market of Earth Observation, Satellite Internet and Weather. With their breakthrough atmosphere breathing propulsion technology, NewOrbit will enable satellites to efficiently sustain very low altitudes, improve performance, and lower costs for New Space.
	Spain	Data / IOT	Seed	 	Sateliot provides Mobile operators full coverage IoT connectivity in 5G, enabling a roaming service for their IoT customers via a LEO constellation of Nanosatellites working as cell towers from space. This is the first step to unlocking the IoT revolution for the 90% of the world that doesn't currently have 5G IoT connectivity without updating any hardware.

Mission 6					
Company	Location	Sector	Stage	Web	Description
	Calgary, Canada	Collect / Earth Observation	Seed	 	4pi Lab will save billions by eradicating catastrophic wildfires globally. The company's proprietary services solution utilizes their EPiC satellite constellation to generate real-time, wildfire detection and monitoring with AI alerted reporting. Their proven team along with Canadian Space Agency support will report wildfires at an unparalleled 5m resolution.
	UK	Downlink / Ground Terminals	Seed	 	With the launch of thousands of satellites serving communications, location, and timing systems, the space ground systems segment has become a \$1bn market opportunity. Utilising a proven satellite technology and having achieved over 10,000 fault-free passes, Clutch Space is leading the sector with rapidly deployable, highly scalable solutions based on a software-defined ground segment which reduces the cost and complexity of Space Systems.
	UK	Downlink / Ground Terminals	Seed	 	Helix's precision SatNav antennas enable resilient centimetre-accurate geo-location for defence, autonomous vehicles and mission-critical applications in dynamic and challenging environments where traditional GPS is degraded by blocked signal paths, interference or malicious act. Designed for use with latest high-accuracy GNSS satellites and precision satellite codes, Helix antennas are tested to military requirements and are compact, robust and light enough for use in hand-held devices and drones.
	US	Downlink / Cryptography	Seed	 	Data today is not only in the cloud and in datacenters. It is everywhere – on the computing edge, across devices, and it also needs to move around. Kinnami has created a unique resilient data platform that secures storage and access everywhere and already has applications within Satcoms, Defense and Enterprise. Their automated policy engine securely stores encrypted fragments of data and regulates their access across distributed networks of devices.
	US - Seattle	Beyond Earth / Space Infrastructure	Series A	 	Starfish Space is building orbital transportation infrastructure for the new space revolution. Founded by engineers from Blue Origin and NASA, their constellation of space tugs uses state-of-the-art autonomy software and robotics to provide on-demand transportation and station-keeping.
	US/UK	Analyse / Earth Observation	Seed	 	Sust Global quantifies the accelerating climate impacts facing the world's biggest financial organizations, cities and supply chains. They deliver actionable intelligence by fusing frontier climate models, satellite-derived datasets and asset-level geospatial data. This new venture builds on the founding team's deep expertise in commercializing geospatial insights at Planet Labs and Orbital Insight.
	UK	Build / Electronics & Robotics	Seed	 	This is the first breakthrough in semiconductor Laser Technology for 30 years. A spin-out of Glasgow University, Vector Photonics will develop products on a proprietary technology that will re-shape the datacentre market, reset the price / performance point of the LiDAR market and drive the expansion of sensing and biometrics.








Mission 5

Company	Location	Sector	Stage	Web	Description
	UK	Downlink / Security & Storage	Seed	 	Angoka ensures the safety and resilience of machine-to-machine communication of the future. With 1 trillion connected devices by 2025, the cyber security threat will increase exponentially. Angoka's embedded technology creates trust between devices to allow them to communicate securely over un-trusted networks.
	UK	Build / Electronics & Robotics	Pre-Seed	 	Aquark Technologies will enable the mass market adoption of quantum technologies into everyday life by creating the first simple, plug-and-play, cold-atom quantum device on the market which will be the size of a match box.
	US	Product / Data Platforms	Seed	 	ESpace is a B2B digital marketplace for satcom customers to procure and operate multi-provider, multi-band, multi-access connectivity services. The ESpace platform can significantly reduce customer cost and risk whilst increasing service agility and reliability.
	Switzerland	Build / Software & Engineering	Seed	 	In today's increasingly data-hungry world, the bottleneck of adopting IoT solutions is around processing large data. Klepsydra's edge computing is inspired by the fastest software technologies in the world: high frequency trading and brings to the market faster data processing with lower power consumption for operators in areas such as Satcomms, IoT and Mobility.
	UK/ Luxembourg	Build / Space Hardware	Seed	 	In a world that relies more and more on satellites for connectivity and earth observation, being able to service these networks is going to be critical to sustain and grow the industry. LIFT ME OFF provides an innovative solution with precise and autonomous detection and positioning technologies that enable satellites to assemble, repair and repurpose other satellites in space.
	UK	Build / Electronics & Robotics	Seed	 	Opteran moves beyond today's Deep Learning AI to re-engineer 600 million years of evolution in insect brains onto a silicon chip. This breakthrough allows the company to solve autonomy by enabling machines to see, sense, navigate and make autonomous decisions with a smaller, lighter and more efficient solution operating at the edge of the network without training.
	Canada	Collect / Satellites (Earth Observation)	Seed	 	Combined with their proprietary hyperspectral imaging technology, Wyvern's satellites will provide readily-available insight at the right resolution and at the right price. This will unlock billions of dollars of increased productivity in the environmental monitoring, agriculture, mining, oil & gas, and forestry markets, while allowing our customers to capitalise on opportunities for optimisation and process-efficiency.

Mission 4



Company	Location	Sector	Stage	Web	Description
	UK	Product / Data Platforms	Seed	🔗 ▶	Dronelab, formerly EarthLab, enables people to quickly & easily share satellite and drone imagery big data online- to gain insight and use sensor data in new & innovative ways.
	UK	Build / Electronics & Robotics	Seed	🔗 ▶	Evince Technology has invented a fundamentally new way of making electronic devices with synthetic-diamond that will outperform today's semiconductor devices—in industries that utilise electron sources at the heart of their systems.
	UK	Build / Electronics & Robotics	Seed	🔗 ▶	Evolve Dynamics is a UK-based designer and builder of best-in-class all weather aircraft UAV (RPAS / Drone) systems, sensors and software for exploration, observation, detection and surveillance. The systems are designed for emergency services, disaster relief, energy sector and security/defence.
	UK	Build / Electronics & Robotics	Seed	🔗 ▶	Revolutionary ground antenna that communicates with satellite constellations to provide hi-speed broadband for the \$40Bn global consumer market, by utilising cellphone industry technology for a 10X cost reduction.
	UK	Data / Satellites - Earth Observation	Seed	🔗 ▶	PowerMarket is using Satellite Data and deep-learning to locate every single solar installation and forecast generation to reduce the cost of grid management for energy utility companies.
	UK	Data / Satellites – Earth Observation	Series B	🔗 ▶	Satellite Vu's mid-wave infrared data will have a resolution of 3m and will provide near real time information to determine valuable insights into economic activity, energy efficiency and carbon footprint - enabling customers to make better business decisions.

Mission 3

Company	Location	Sector	Stage	Web	Description
 METHERA	UK	Data / Satellites – Earth Observation	Seed	🔗 ▶	Methera Global plans to launch a constellation flexible and dynamic satellites, focusing all of its bandwidth to a small area of target regions from multiple satellites.
 aXenic	UK	Build / Electronics & Robotics	Seed	🔗 ▶	aXenic have developed a revolutionary optical modulator, a vital component to transfer high quantities of data through satellite links.
 HawaDawa	Germany	Product / Data Platforms	Seed	🔗 ▶	Hawa Dawa combines their proprietary IoT smart sensor data with other sources of data (including satellite data) to give highly accurate data on air quality.
 TRIK	UK	Product / Data Platforms	Seed	🔗 ▶	TRIK is an enterprise drone 3D mapping software for structural inspection with a unique platform.
 VEOWARE	Belgium	Build / Electronics & Robotics	Seed	🔗 ▶	Veoware's vision is to industrialise the space sector so that hardware, software and data become easily accessible and rapidly available for the benefit of human kind.
 constellr	Germany	Platform / Satellites	Seed	🔗 ▶	ConstellR is a spin out from Fraunhofer University. It is the first company to map precise on-earth temperatures from a constellation of satellites they plan to launch.
 Xona space systems	US	Data / Satellites – Navigation	Post-Series A	🔗 ▶	Xonaspace uses an XPS and LEO satellite constellation for extremely precise GPS Systems, with early end applications including autonomous vehicles.

Mission 2					
Company	Location	Sector	Stage	Web	Description
 <p>ANSUR Innovations in Communications</p>	Norway	Data / Satellites - Telecoms	Seed	 	Ansur provides software for mission-critical satellite communication of multimedia content, reducing bandwidth by 99% and increasing efficiency by 100 times
 <p>CYSTEJLAR</p>	Sweden	Analyse / Insurance	Seed	 	CyStellar is a geospatial intelligence company that delivers real-time insights that companies in the insurance, logistics, and agriculture sectors need to support data-driven strategic and operational decision making.
 <p>entopy</p>	UK	Product / IoT	Seed	 	Entopy's IoT end-to-end solution, TRACCA, enables real-time visibility into supply chain and industrial environments. Their technology has increased battery life, security and scalability - enabling new highly granular insights and analysis.
 <p>KETS</p>	UK	Downlink / Cybersecurity	Series A	 	KETS Quantum Security is the only company with a complete integrated on-chip quantum encryption solution to secure the information technology of the 21st century and beyond.
 <p>LUNASONDE</p>	US	Data / Satellites - Earth observation	Seed	 	LunaSonde sees inner space from outer space, using small satellites to scan the globe and build an atlas of valuable underground resources, with an immediate focus on water.
 <p>NU QUANTUM</p>	UK	Downlink / Cybersecurity	Seed	 	NuQuantum has developed faster and more secure cryptography techniques designed to be fit for purpose in the quantum age, as existing cryptography will be severely compromised by the increasing sophistication and availability of quantum computing.
 <p>QLM</p>	UK	Data / Drones & UAV	Seed	 	QLM are developing ultra-compact, high-precision quantum optical sensors. QLM's drone-mountable methane leak detector provides the oil and gas industry with a tool to reduce emissions, improve safety and significantly reduce costs.
 <p>SKYRORA</p>	UK	Launch / Rockets	Pre-Series A	 	Skyrora is a launch vehicle designer, manufacturer and service operator developing a low-cost, personalised service to meet increasing demand for small satellite launches, that will ensure satellites are placed in the most effective orbit.
 <p>sofant technologies</p>	UK	Build / Electronics & Robotics	Pre-Series A	 	Sofant is developing a new antenna technology that extends the range of high-frequency radio networks by more than 10 times, making the deployment of such networks vastly more economically viable.

Mission 1

Company	Location	Sector	Stage	Web	Description
	UK	Analyse / Agriculture	Pre-Series A		GSI provides AI-powered analysis of satellite data helping owners of natural resources and infrastructure to make better decisions in buying, selling and managing their assets by establishing their current value.
	US	Build / Propulsion	Seed		The space transportation company offering revolutionary propulsion.
	Denmark	Downlink / Communications	Series A		QuadSAT has developed a drone-based platform for testing and calibration of satellite antennas deployed in high-value maritime and aeronautical markets.
	UK	Product / Agriculture	Seed		Earth Rover s developing the first robotic agriculture system that is genuinely viable for farmers.
Reconfigure.io	UK	Store / data Storage & Processing	Seed		Reconfigure.io has built a unique platform of data flow and compilation technology to provide next generation computing capabilities. [No Longer Trading]
	UK	Product / Data Platform	Seed		KisanHub is a crop intelligence platform that connects enterprises with their crops to deliver actionable insights throughout every season.