JiMED Inc. Profile

- Founded Year: 2020
- HQ: Suita City Osaka Japan
- Sector: Medical device development
- Stage: Series A

- Representative: Jin Nakamura
- Contact: info@jimed.jp
- HP URL: https://www.jimed.jp/

(Update date 2024/9)

Problem

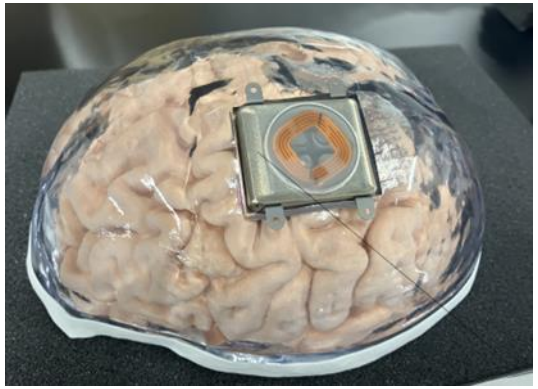
Restoring communication abilities and motor functions for patients in a locked-in state with innovative medical devices, offering them hope for life and opportunities for social participation

There are patients in a 'locked-in state' due to severe neurological diseases or trauma, where their sensory functions remain intact, but they are unable to move their bodies or communicate their intentions. By using a wireless implanted Brain-Computer Interface (BCI) medical device that enables the control of external devices through brainwaves, we aim to allow patients to control PCs, assist suits, and more simply by thinking. This technology strives to help them communicate with others, move, and perform daily activities according to their own will.

Solution

Development and commercialization of a wireless implanted BCI system medical device

First, we plan to introduce a wireless implanted BCI medical device that enables ALS patients, who have the highest need for release from a locked-in state, to input commands via brainwaves, thereby forming an initial market. In the next phase, we aim to expand the target diseases by adding functionalities that allow for the control of more complex external devices in the primary market and advancing clinical trials for broader applications.Furthermore, we plan to create a database of high-precision intracranial brainwave data obtained through this project, and combine it with biometric data collected from other existing wearable devices to generate new solutions.



Kinish Inc. Profile

Kinish

- Founded Year: 2023
- HQ: Tokyo, Japan
- Sector: Food
- Stage: Seed

- Representative: Hiroya Hashizume (Zume)
- Contact: info@kini-sh.com
- HP URL: https://kini-sh.com/

(Update date 2024/9)

Problem

The situation where we must sacrifice deliciousness due to the social challenges posed by dairy farming

・Approx. 10% of the world's GHG emissions come from dairy farming (methane gas in cattle burps and nitrous oxide in manure).
・In our efforts to achieve a sustainable world, we must forgo delicious dairy products from traditional farms and opt for plant-based alternatives, which can be challenging in terms of taste.
・Kinish aims to preserve the flavors we enjoy today for future generations by delivering good taste in a sustainable way

Solution

Develop special rice that produces real milk protein, from which non-animal dairy products are developed and marketed.

・Development of special rice that produces real milk protein
・Development and operation of vertical farming specializing in rice
・Planning, development, and sales of plant-based food products using rice

Tetra Tokyo, Inc. Profile

- Founded Year: 2020
- HQ: Tokyo
- Sector: Advertising
- Stage: Seed

- Representative: Toshi Ichikawa
- Contact: toshi@tetratokyo.com
- HP URL: https://www.tetratokyo.com

(Update date 2024/9)

Problem

Developing brand messages that resonate in foreign markets is challenging

In today‘s content-rich market, including social media, more than translation is needed. It’s essential to develop messages that incorporate local insights for each market. However, current methods often involve many stakeholders, increasing the risk of losing the original passion and intent. Additionally, with the shortening lifespan of content, there is a growing need to develop brand messages efficiently.

Solution

Efficiently developing brand messages for global expansion through AI and community collaboration

Tetra-X.ai leverages AI and community collaboration, utilizing local gig workers to efficiently develop brand messages tailored to each market. By tapping into local consumer insights, we create culturally and linguistically optimized content, achieving a 50% cost reduction and 80% faster turnaround compared to conventional methods. This consumer-driven process ensures messages resonate with local audiences in each region.

Xpress AI Profile

- Founded Year: 2020
- HQ: Palo Alto, CA
- Sector: Software
- Stage: Seed

- Representative: Eduardo Gonzalez
- Contact: hello@xpress.ai
- HP URL: https://xpress.ai

(Update date 2024/9)

Problem

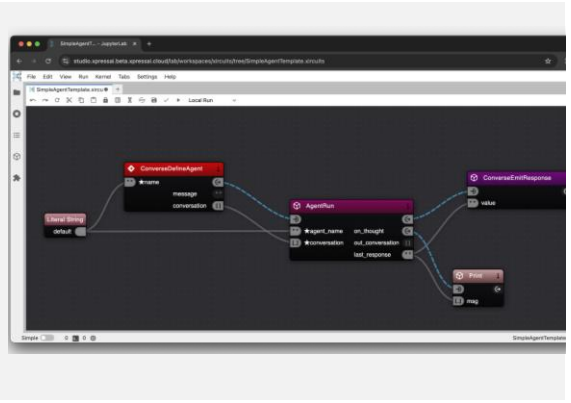
Businesses face staffing challenges that hinder efficiency and growth.

Despite the promise of AI to transform business operations, developing custom AI agents and digital workers to automate business processes requires extensive coding expertise, a deep understanding of machine learning algorithms, and significant time investment. Additionally, concerns about data privacy and the need to protect sensitive IP and data from leaving the organization further complicate AI adoption. This complexity makes it difficult for many businesses to leverage AI, leading to inefficiencies and missed opportunities for growth.

Solution

We provide a visual development platform that simplifies the creation of AI agents and enables organizations to automate business processes by integrating powerful AI technologies.

Xpress AI offers a visual development platform that allows organizations to easily create sophisticated AI agents without extensive coding expertise. By integrating powerful AI technologies such as LLMs and Vector databases, we enable seamless automation of business processes. Our solution can be deployed on-premise, ensuring that sensitive IP and data remain within the organization, thus providing complete control over privacy. This empowers businesses lacking AI expertise to quickly deploy advanced AI-driven automation, enhancing efficiency and innovation.



Dioseve Inc. Profile

Dioseve

- Founded Year: 2021
- HQ:Tokyo,Japan
- Sector: pharmaceutical manufacturing industry
- Stage: Series A

- Representative: KAZUMA　KISHIDA
- Contact: https://dioseve.com/contact/
- HP URL:https://dioseve.com/

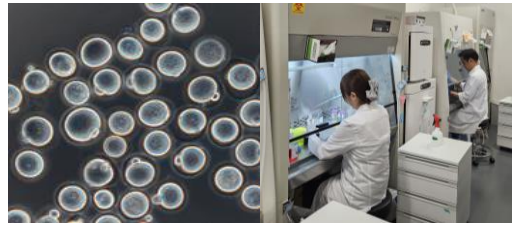
(Update date 2024/9)

Problem

In developed countries, the number of assisted reproductive procedures has increased ten to twenty times over the past 30 years, but success rates have declined, partly due to the trend of late marriages. The most challenging cases involve women with declining egg function, as new eggs are not created after birth. To avoid missing the appropriate timing for conception, many women try to get pregnant by their early 30s and give up their careers. Despite the growing demand for treatments that improve egg functionality, there are no effective solutions.

Solution

Dioseve is a biotech venture aiming to implement technology for creating eggs from iPS cells, focusing on infertility treatments.



Byte-Guardian**Profile**

Byte Guardian

- Founded Year: 2024
- HQ: Palo Alto, CA
- Sector: Wellness/Health Tech
- Stage: Pre-Seed

- Representative: Naoya Maeda-Nishino
- Contact: byteguardian@gmail.com
- HP URL: https://byte-guardian.com/

(Update date 2024/9)

Problem

We anonymize and securely store and utilize users' wellness data to balance privacy and effective data use.

Byte Guardian aims to address the challenge of securely using personal wellness data collected from wearable devices while maintaining user privacy. Current data collection methods often compromise privacy or fail to offer sufficient insights. By leveraging blockchain technology and IPFS, Byte Guardian anonymizes and encrypts this data, enabling secure storage and usage. This allows for personalized health insights and contributes to broader health research without risking users' private information.

Solution

We are a data network business that anonymizes and stores wellness data collected from wearable devices on the blockchain and provides personalized insights.

Byte Guardian is a data platform that securely anonymizes and stores wellness data collected from wearable devices by leveraging blockchain technology and IPFS. Users can contribute their data to receive personalized health and fitness insights, while the data also contributes to AI model training and societal health research. Prioritizing privacy in data sharing and usage is a key feature of the platform.

Chiptip Technology Profile

chiptip

- Founded Year: 2019
- HQ: Tokyo, Japan
- Sector: Cybersecurity, HPC
- Stage: Seed

- Representative: Eric Fukuda
- Contact: info@chiptip.tech
- HP URL: https://chiptip.tech

(Update date 2024/9)

Problem

We empower our customers to differentiate their cloud/data center computing from big tech through the power of semiconductor devices.

The cloud/data center computing industry is dominated by US big tech companies, and competing against them is not easy. This is because recent cloud/data center computing uses various new semiconductor devices to achieve further speed and power savings. However, such changes also present opportunities. By introducing semiconductor devices specialized for various applications, it is possible to realize cloud/data center services that surpass big tech in specific areas. Chiptip provides the technology to support such challenges.

Solution

We transform our customers' applications into specialized semiconductor devices and provide the software to manage these devices within data centers.

Chiptip Technology provides technologies to develop and manage various types of semiconductor devices within data centers. More specifically:

1. Development of semiconductor devices specialized for services that customer cloud/data center operators excel at.
2. Provision of software to manage their own developed semiconductor devices and various other semiconductor devices within data centers.
3. Provision of semiconductor devices specialized for cybersecurity.

EF Polymer K.K. Profile

- Founded Year: 2020
- HQ: Okinawa, Japan
- Sector: Manufacturing and retailing
- Stage: Series A

- Representative: Gurjar Narayan Lal
- Contact: efp-Japan-office@efpolymer.com
- HP URL: http://ja.efpolymer.com

(Update date 2024/9)

Problem

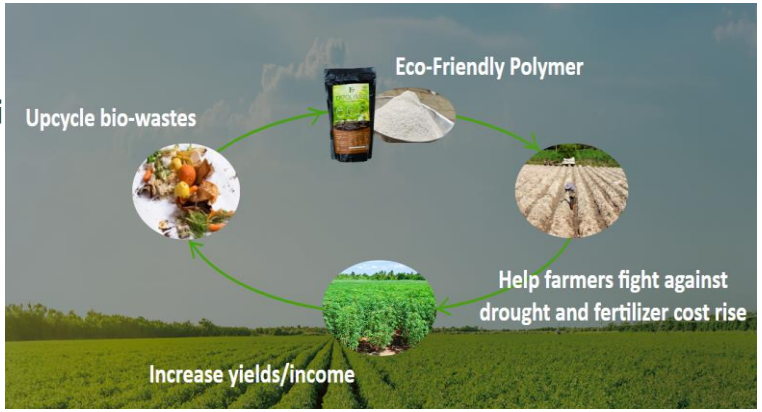
Global drought and water stress in the agricultural sector.

EF Polymer is tackling the climate change caused by drought globally. Approximately 40% of the world's total population is facing water shortages, and 70% of fresh water is consumed for agricultural use, which is why it is critical to solve the water issues in the agricultural sector. We can upcycle bio-wastes to produce 100% biodegradable SAP, which contribute to solve environmental problems such as global warming caused by CO2 emitted during waste incineration.

Solution

100% natural and biodegradable SAP made of locally collected bio-wastes.

With our patented technology, we produce 100% organic super absorbent polymers by using bio-wastes such as fruit peels and squeezed lees as raw materials, which decomposes in the soi in one year. Any polyacrylic acid or polyacrylamide are contained, and which will reduce the environmental load during the manufacturing and disposal processes.



Dwilar Profile

- Founded Year: 2024
- HQ: CA, Osaka
- Sector: Real estate, Finance
- Stage: Seed

- Representative: Yoshitaka Nakamura
- Contact: yoshitaka_nakamura@dwilar.tech
- HP URL: https://www.dwilar.tech/

(Update date 2024/9)

Problem

Lack of digitization in overseas real estate investment

Japan, with the second-largest real estate market in the world, is one of the few developed countries where non-residents have limited visibility when purchasing properties and cannot obtain loans. However, Japanese real estate is gaining renewed attention as an investment and relocation destination. This is an ideal time to create financing options comparable to other countries.

Solution

Please provide a description of your business in 1-2 lines

We operate an overseas real estate trading platform with a focus on the U.S. market. By using the sale-and-leaseback mechanism, we enable foreign investors to effectively access yen-denominated loans for listed properties. Additionally, we are developing AI for credit assessment based on transaction data to provide a smoother investment process in Japan. In the future, our goal is to facilitate seamless real estate investments worldwide, complete with financing, through our platform.

BlancAI, Inc. Profile

BlancAI

- Founded Year: 2023
- HQ: SF, CA
- Sector: IT
- Stage: Pre-seed

- Representative: Keita Noritoshi
- Contact: keita@blancai.io
- HP URL: blancai.io

（Update date 2024/9）

Problem

High turnover rate and recruitment costs of blue-collar workers in manufacturing

- Manufacturing requires many blue-collar workers
- Proper recruitment screening is not possible, resulting in high turnover rates
- No solutions, just wasting many human resources

Solution

AI conducts recruitment interviews for blue-collar workers in manufacturing

AI conducts interviews for blue-collar workers
Conducts more precise interviews
Speaks Spanish 24 hours a day
Can immediately produce a summary in English upon completion

Mirror Mii Inc. Profile

- Founded Year: 2024
- HQ: Los Angeles
- Sector: AI
- Stage: Series Pre-Seed

- Representative: Kyo Ueda
- Contact: kyo@mirror-mii.com
- HP URL: https://genies.chat/

(Update date 2024/9)

Problem

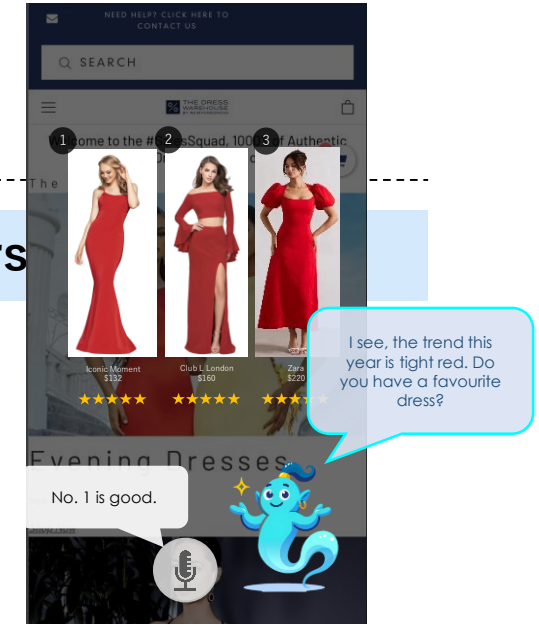
Realization of 1m Pre-Seed CVC funding.

Approaching VCs in Japan is relatively easy.
However, the barriers to approaching VCs in the US are felt to be very high.
The reasons are lack of connections, cultural and language barriers.

Solution

Website assistant AI service for image and voice convers

Genies Orchestra is a service where an assistant AI called Genies provides sales and support assistance through voice conversations and images on your website, as well as marketing support on the back-end.



GitAuto, Inc. Profile

- Founded Year: 2024
- HQ: San Francisco, CA
- Sector: Developer Tool / AI Coding Agent
- Stage: Pre-Seed / Early Stage

- Representative: Wes Nishio
- Contact: wes@gitauto.ai
- HP URL: https://gitauto.ai

（Update date 2024/9）

Problem

Software engineering teams want to ship faster but can’t.

71% of companies are not satisfied with their development speed.[1]
18% of teams deploy code more than once per day, while 50% deploy less than once per week.[2]
But hiring is not easy. It takes 60 days and costs $150K per hire, plus $30K in hiring fees.[3]

Solution

We provide a coding agent that creates pull requests from GitHub issues.

We provide a coding agent that creates up to 30 pull requests per subscription per month from GitHub issues, all for just $20, with each PR generated in only 2 minutes.

A coding agent
that creates GitHub pull requests from issues,
bridging the resource gap for engineering managers.

Anaut Inc. Profile

- Founded Year: Jul 2020
- HQ: Tokyo
- Sector: Medical Equipment
- Stage: Series A

- Representative: Nao Kobayashi (CEO)
- Contact: admin@anaut-surg.com
- HP URL: https://anaut-surg.com/

(Update date 2024/9)

Problem

Surgical Complications caused by the lack of “Cognitive Judgement”

Severe complications occur in 15% of gastrointestinal surgeries.
There is an academic report that 30% of complications can be avoided by proper recognition during surgery.

Solution

Developing technology to revolutionize clinical practice with highly accurate AI which analyzes and highlights anatomical structure.

The AI,” Precision Mapping”: Artificial Intelligence algorithm aiding identification of anatomical structure.
By delivering the technology, it will greatly help both the surgery itself and the improvement of learning curve.

AZUL Energy Profile

Empower Your Energy Future

- Founded Year: 2019
- HQ: Miyagi, Japan
- Sector: Manufacturing, Chemical
- Stage: : Series A (2023)

- Representative: Koju Ito
- Contact: contact@azul-energy.co.jp
- HP URL: https://www.azul-energy.co.jp/

（Update date 2024/9）

Problem

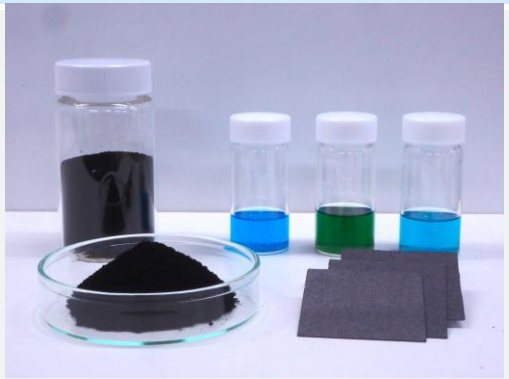
Resource Constraints in Renewable Energy Storage Systems

- The expansion of the use of renewable energy is essential to achieve NetZero CO2 emissions by 2050, but this will also require the widespread use of storage systems for that energy.
- However, existing storage systems use large amounts of precious metal catalysts to increase efficiency, which is subject to various resource constraints and causes various problems such as high cost, supply instability, and geopolitical risk.

Solution

Development, manufacture, and sale of new catalysts that are not subject to resource constraints

- AZUL Energy develops, manufactures, and sells key components that increase the efficiency of renewable energy use, utilizing its proprietary Nature-Inspired technology to contribute to the realization of a sustainable society.
- The core of our business is organometallic complex catalysts, which combine high performance, low cost, supply stability, and low environmental impact, achieved without the use of any precious metals through our core catalyst technology.



TechMagic Inc. Profile

TECHMAGIC

- Founded Year: 2018
- HQ: Tokyo, Japan
- Sector: Robotics
- Stage: Series C

- Representative: Yuji Shiraki
- Contact: info@techmagic.co.jp
- HP URL: https://techmagic.co.jp/en/

（Update date 2024/9）

Problem

Improvement of labor shortage issue and profitability for the food industry

- The food industry such as restaurants and food manufacturers face labor shortage as a management issue. TechMagic offers Robotics to solve labor shortage issue.
- Restaurant industry suffers from low profitability. Our solution will be able to raise profitability.

Solution

Development of Cooking Robots and Factory Automation Solutions to bring innovations to the food industry and provide solutions for social issues

- Development of cooking robots such as I-Robo (stir frying robot) aiming to "evolve deliciousness" through four core technologies: "measurement," "ingredient supply," "intelligent control," and "cooking replication.
- Development of factory automation robots such as M-Robo (Pick-and-Place Robot) and W-Robo (Dish Sorting Robot)

Elephantech Inc Profile

- Founded Year: 2014
- HQ: Tokyo Japan
- Sector: Electronics Manufacturing
- Stage: Series E

- Representative: Shinya Shimizu CEO
- Contact: sustainacircuitssolution@elephantech.co.jp
- HP URL: https://elephantech.com/en

(Update date 2024/9)

Problem

"Accelerating Decarbonization in the Electronics Manufacturing Industry"

Elephantech Inc. aims to reduce the environmental impact of electronics manufacturing. The company has developed technology that significantly reduces CO2 emissions and wastewater compared to traditional manufacturing methods, enhancing the sustainability of production processes. Additionally, Elephantech contributes to diversifying global supply chains by mitigating the risks associated with the concentration of manufacturing bases in China."

Solution

Proposal for Low-Carbon and High-Efficiency Manufacturing Solutions through Metal Inkjet Printing Technology."

Aiming to become the leading inkjet solution provider in the electronics industry, we will contribute to the realization of low-carbon and highly efficient manufacturing systems for our customers through our proprietary technology in the printed circuit board manufacturing and thin-film coating markets, including semiconductor and electronics manufacturing. Furthermore, we will expand our technical capabilities beyond inkjet to increase the value we provide as a player in the electronics manufacturing equipment sector."

Qlay Technologies Profile

- Founded Year: 2023
- HQ: San Francisco
- Sector: AI/ML
- Stage: Seed

- Representative: Tomofumi Nakata, Tokumasa Yamashita
- Contact: management@qlay.tech
- HP URL: https://qlay.tech/

(Update date 2024/9)

Problem

Time and effort that employees put into performing manual tasks

In today's society, despite the development of AI, there are still many tasks that are performed repeatedly by human labor. These tasks take up a lot of human time and effort, and each person is not able to maximize their time for tasks that create value. Qlay was launched to maximize the value of individuals, companies and society as a whole.

Solution

Utilization of generative AI to automate the manual tasks

Qlay is a SaaS platform that utilizes cutting-edge generative AI technology to automate tedious and labor-intensive tasks within a company, creating and supporting a work environment where employees can devote more of their time to higher value-add tasks.

CoreTissue BioEngineering Inc. Profile

CoreTissue BioEngineering

- Founded Year: 2016
- HQ: Yokohama, Japan
- Sector: MedTech
- Stage: Series B

- Representative: Chiaki Waki
- Contact: chiaki.waki@coretissue.com
- HP URL: https://www.coretissue.com/english/

(Update date 2024/9)

Problem

Enabling ACL reconstruction surgery without harvesting the patient's healthy tissues

ACL injury is a common injury that requires reconstructive surgery. However, reconstructive surgery to harvest and transplant healthy tissues of patients themselves is still the standard treatment in Japan and US, but this treatment method has the harmful effects of harvesting healthy tissues. Also, sometimes patients must give up to complete treatment because sufficient amount of tissue cannot be collected for transplantation for patients with re-ruptured or with multiple ligament ruptures.

Solution

Development of regenerative ligaments for ACL reconstruction surgery using decellularized technology

We aim to commercialize unmet medical needs by developing and providing medical devices for the reconstruction of ACL by applying the decellularization technology. “Decellularization technology utilizing microwave irradiation” is to efficiently remove cellular components that cause rejections from biological tissues without affecting the strength of the tissues, and "Freeze-drying and sterilization technology” that maintains the mechanical strength of tissue to provide as an Off-the-Shelf medical device.

Letara Ltd. Profile

- Founded Year: 2022
- HQ: Hokkaido Sapporo
- Sector: Manufacture of transportation machinery and equipment
- Stage: seed stage
- Representative: Landon Kamps
- Contact: landon.kamps@letara.space
- HP URL: https://www.letara.space/

（Update date 2024/9）

Problem

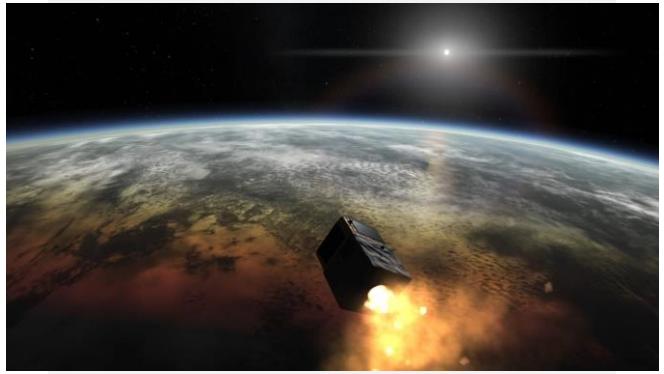
No safe, high thrust mobile engines suitable for ride-sharing satellites

In the future, the human economic sphere will be further extended into Earth orbit as demand for small spacecraft increases. In particular, transportation to the final destination, or “last-mile transportation,” will become extremely important to the future space economy. The key technologies to achieve last-mile transportation in space are small, safe, inexpensive, fast, storable, and controllable propulsion systems, and Letata is a plastic-fueled, high-thrust, safe, inexpensive, fast, storable, and controllable propulsion system. Letata's plastic-fueled, high-thrust, safe, and inexpensive combustion-energy engines are the key to achieving last-mile transportation in space, not just propulsion systems.

Solution

Provide small spacecraft manufacturers with high thrust, safe, and inexpensive engines for satellites

We believe that Letara Corporation's technology will not only improve existing Earth orbital activities, but will also be the mainstay of future human economic activities to reach deep space. Our high thrust, safe, and inexpensive propulsion system technology for small satellites will promote a breakthrough in space propulsion and contribute to the improvement of Earth orbital activities as well as future human economic activities to reach deep space.



MaRI Co., Ltd. Profile

- Founded Year: 2017
- HQ: Kyoto, Japan
- Sector: Medical device developer/manufacturer
- Stage: Series B

- Representative: Hirofumi Taki
- Contact: info@marisleep.co.jp
- HP URL: https://marisleep.com

(Update date 2024/9)

Problem

No sleep apnea treatment that are easy to accept and continue for CPAP dropouts.

Gold standard treatment for sleep apnea is CPAP, continuous positive airway pressure therapy. This solution is very good, but not a few patients drop within one year due to discomfort of wearing mask. There are several solutions for CPAP dropouts; however, they require surgery or wearing devices. Since this disease lacks subjective symptoms, a novel treatment with less physical burden is strongly desired.

Solution

Contactless treatment for CPAP dropouts using mmwave radar technique.

Our innovative product offers a contactless treatment for CPAP dropout usings mmwave radar technique. A mmwave radar measures chest movement. When chest stops, that is sleep apnea occurs, a loudspeaker radiates low-frequency sound to the patient. The sound stimulation can change sleep stage a little bit shallower, then normal breathing is recovered. This proprietary technology enables us to provide an easily sustainable treatment device with minimal patient burden. We're also developing contactless bioinformation monitoring devices.

PinnInt Inc Profile

PinnInt

- **Founded Year**: 2024
- **HQ**: San Francisco, CA
- **Sector**: B2B SaaS
- **Stage**: N/A

- **Representative**: Eisuke Shimizu
- **Contact**: info@pinnint.com
- **HP URL**: https://pinnint.com/home

（Update date 2024/9）

Problem

Inefficiencies related to product development operation

Almost 90% of the features are reported to have no significant impact on the customers. Faster iteration cycles with efficient operation and talent training are increasingly important to build competitive product.

Solution

Agentic automation for product development

Providing software with agentic automation and assistance to coach talents and improve the product development operation

SONIRE Therapeutics Inc.Profile

SONIRE THERAPEUTICS

- Founded Year: 2022
- HQ: Tokyo
- Sector: Medical Device Development
- Stage: SeriesB
- Representative: Tohru Satoh
- Contact: info@sonire-t.com
- HP URL: https://www.sonire-therapeutics.com/en

(Update date 2024/9)

Problem

There are intractable cancers for which treatment options are limited.

New treatments for cancer are being developed, and the number of treatment options is increasing, but there are still some cancers that are difficult to treat and for which treatment options are limited. For instance, pancreatic cancer has the worst prognosis of all cancers, with a 5-year survival rate of just 12%, which is extremely low. Despite this, there are very few treatment options available, so breakthrough therapy targeting intractable cancers including pancreatic cancer is required.

Solution

Development and commercialization of next-generation HIFU (high-intensity focused ultrasound) treatment devices

Based on the ultrasound-related technology of Tohoku University and Tokyo Women's Medical University, which has been conducting HIFU basic research, and the clinical findings of Tokyo Medical University, which has been conducting clinical research on HIFU plus chemotherapy, SONIRE is developing the world's first cavitation bubble-assisted HIFU therapy system for intractable cancer. Currently, SONIRE is conducting a randomized control trial for pancreatic cancer in Japan. In addition, SONIRE plans to start a clinical trial for pancreatic cancer in the U.S. and a clinical trial for other abdominal cancer type in Japan.

LEP Inc. Profile

- Founded Year: 2023
- HQ: Osaka, Japan
- Sector: Manufacturing
- Stage: Seed

- Representative: Takeharu Nagai
- Contact: takeharu.nagai@start-lep.jp
- HP URL: https://www.start-lep.jp/

(Update date 2024/9)

Problem

Climate change due to increasing CO_2 concentration in the environment

About 80% of the world's electricity production is generated by thermal power, which is one of the main causes of climate change due to the carbon dioxide emissions released into the atmosphere. Therefore, a fundamental solution to reduce carbon dioxide emissions is to decrease electricity consumption. Our company proposes to utilize power-free self-luminous plants as a lighting source, and we are committed to developing and promoting this solution to address global challenges.

Solution

Manufacture, rental, and sale of autoluminescent plant

Our company uniquely possesses a technology to produce 'Light Emitting Plants (LEP)' that emit light spontaneously without using electricity. We engage in an entertainment business that rents LEPs for events and performances, an agriculture business that sells cut flowers and potted plants of luminous LEPs, and an energy business that sells LEPs for roadways, building exteriors, and interior lighting, etc.

Eco-Pork co., ltd. Profile

Data company for sustainable Pork Ecosystem
Eco-Pork

- Founded Year: 2017
- HQ: 3-21-7 Kanda Nishiki-cho, Chiyoda-ku, Tokyo, Japan
- Sector: Information services
- Stage: Series B

- Representative: CEO Takashi Kanbayashi
- Contact: info@eco-pork.com
- HP URL: https://eco-pork.com

(Update date 2024/9)

Problem

Aiming to achieve a sustainable meat culture.

As we strive to solve the sustainability challenges facing both humanity and the planet, can we pass on the rich and meaningful culture of consuming meat — a tradition as old as humanity itself — to future generations?

At Eco-Pork, we believe in creating a world where both the choice to consume meat and the choice not to are equally respected. By leveraging technology, starting with pig farming, we aim to realize a society that offers abundant options and the freedom to choose.

Solution

Building a Data-Driven Circular Economy for Pork Production

Eco-Pork contributes to addressing key issues faced by both consumers and society, such as mitigating the global protein crisis and reducing environmental impact, by providing solutions that enhance productivity and lower environmental burdens for pig farmers. These solutions improve the sustainability of pig farming operations.
Starting in 2024, Eco-Pork will launch a project that positions pig farmers as J-Credit creators. This initiative aims to further enhance the social value and sustainability of pig farming.

AMATAMA Co. Profile

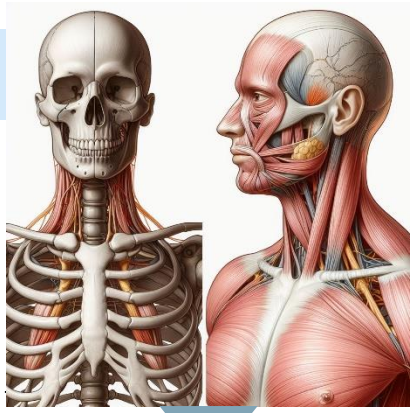
AMATAMA

- Founded Year: Jan / 2023
- HQ: Nagoya Aichi Japan
- Sector: Robotics
- Stage: Seed
- Representative: Yuichi HORIUCHI / CEO
- Contact: contact@amatama.co
- HP URL: https://www.amatama.co/
- （Update date 2024/9）

Problem

Zero all labor

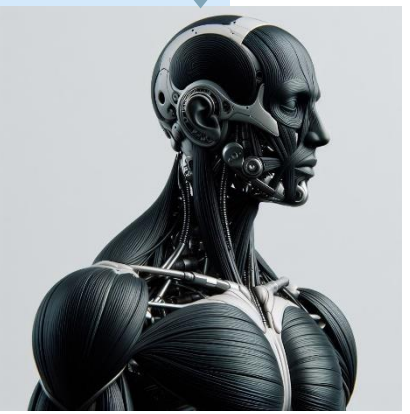
Our company's vision is to eliminate unreasonable human labor.
It is my goal to provide support and assistance to those engaged in humanoid robotics who are striving to achieve this objective.
According to UN and government statistical data, there is an expectation that the labor force will decline in all regions after 2025.
We will solve this problem by “replacing labor with next-generation humanoid robots”.



Solution

Providing a service and design platform to accelerate the evolution of humanoid robots

The only way to solve this labor problems is to accelerate the evolution of humanoid robots.
AMATAMA can provide a technology platform for traditional robotics companies by combining neuroscience and bioengineering.
This will allow traditional robotics companies to mass-produce superior next-generation humanoids in time for the 25% labor replacement, $154 billion humanoid market that Goldman Sachs predicts will arrive in 2035.



Cardio Flow Design Inc. Profile

CARDIO FLOW DESIGN

- Founded Year: 2015
- HQ: Tokyo, Japan
- Sector: Software as a Medica Device
- Stage: Early Seed

- Representative: Teruyasu Nishino
- Contact: info@cfd.life
- HP URL: https://cfd.life/en/

(Update date 2024/9)

Problem

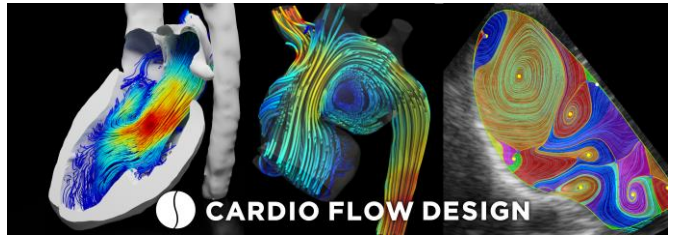
Innovating the Treatment and Prevention of Cardiovascular Diseases of Blood Flow Analysis

One in 100 neonatal infants is born with congenital heart disease, but the challenges vary with each case, and there is no single solution for treatment or prevention. Due to the complexity of hemodynamics, multiple surgeries may be required after birth. By analyzing blood flow, we can capture, visualize, and quantify hemodynamics from a fluid dynamics perspective, supporting diagnosis, treatment, and prognosis prediction. This approach is not limited to congenital heart disease but can also be broadly applied to other cardiovascular conditions such as valvular disease and aortic disorders.

Solution

Research and Development of SaMD Based on Blood Flow Analysis

By using medical images captured with the latest technology machines and processing them with our proprietary software, we can obtain various information about hemodynamics. We are dedicated to research and development to ensure this technology can be routinely used in clinical settings.



Samaria Inc.　Profile

Samaria

- Founded Year: 2017
- HQ: Tokyo
- Sector: AI
- Stage: Seed

- Representative: Yuko Yamasaki
- Contact: y-yamasaki@samaira.co.jp
- HP URL: samaira.co.jp

(Update date 2024/9)

Problem

Please provide a description of the problem you wish to solve in 1~2 lines

JAPANMEDIA, an AI platform to promote Japanese manga to the worldMISSION:“Make the world happy with Japanese Character, which is gentle and deep, even the villains are clothed in deep compassion.”

Solution

Please provide a description of your business in 1-2 lines

Our mission is to democratize manga production. We are developing a consistent, full-scale, and integrated system that enables anyone to create and publish manga around the world, no matter how lacking they may be in the areas of translation and webtoon creation, from the initial idea to the creation of a synopsis, from the creation of characters and dialogue, from the creation of illustrations to translation and webtoon creation to spread throughout the world. We are developing AI tools.

Jizaie Inc. Profile

- Founded Year: November 2022
- HQ: Tokyo, Japan
- Sector: Computer - Software
- Stage: Series A

- Representative: Junki Nakagawa
- Contact: contact@jizaie.co.jp
- HP URL: https://jizaie.co.jp/en

(Update date 2024/9)

Problem

Realizing remote work for those who are not currently benefiting from telecommuting.

If on-site tasks can be performed remotely, jobs such as standing positions on factory assembly lines or traffic management in extreme weather could be done from a distance. This would convert previously hazardous work environments into safer conditions. Additionally, it would enhance social participation for the elderly and people with disabilities, while also contributing to the resolution of the anticipated global labor shortage by leveraging time differences.

Solution

Development and operation of real-time remote employment support platform “JIZAIPAD”

JIZAIE is dedicated to the mission of "creating a world where everyone can work across time and space." We develop the real-time remote work support platform, JIZAIPAD, designed to facilitate remote employment for those who have not benefited from remote work. Our proprietary video compression and transmission technology enables high-quality, low-latency video transmission in real-time, even in challenging communication environments. This makes remote work feasible across all industries and job types that were previously considered impractical, with versatile applications, including integration with machinery and robots.

UNITED SILK CO., LTD. Profile

- Founded Year: 2016
- HQ: Ehime, Japan
- Sector: Manufacturing
- Stage: Series A

- Representative: Takashi Kawai
- Contact: takashi.kawai@united-silk.co.jp
- HP URL: https://united-silk.co.jp/en/

(Update date 2024/9)

Problem

We will increase the use of Silk as natural materials and achieve carbon neutrality.

We are climate-tech company with the aim of "realizing a new future with the power of silk". We are working on technological innovation to expand the possibilities of silk and utilize it in all fields such as food, cosmetics, and medicine. We want to solve the social problem by using our silk-tech. Everybody concerned about ESG and looking for natural materials instead of chemicals like PFAS.

Solution

We are Silk Protein Company providing one-stop service for all kinds of Silk products.

We produce silkworm and cocoon as industrial way instead of traditional sericulture. We extract protein from that in our own factory in Japan. Our silk is good for cosmetic ingredients and natural additives for the food. We also prepare the silk resin for the substitute of Plastics, Bio Silk Plastics.

- Founded Year: 2022
- HQ: Osaka, Japan
- Sector: Pharmaceutical
- Stage: Seed stage

- Representative: Kazuo Omori
- Contact: omori@revascularbio.com
- HP URL: https://revascularbio.com/en/

(Update date 2024/9)

Problem

Many vascular diseases caused by microvascular disorders with no available treatment

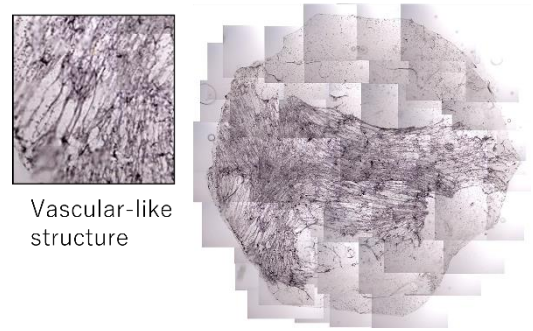
The bottleneck in unresolved diseases such as heart disease and dementia lies in vascular disorders. While there are several treatments available for large vessel disorders, no effective treatments currently exist for microvascular disorders. This represents the 'last mile' challenge in vascular disease treatment.

Solution

Development of cell-based medicine using the world's first discovered vascular-specific stem cells.

In response to the aforementioned challenge, we will treat it using vascular stem cells, which were discovered for the first time in the world. Our core technology involves 'vascular endothelial stem cells,' which are stem cells found in blood vessels. We have already succeeded in developing a human cell sheet, as shown on the right. Our aim is to bring this product to practical use for treating various vascular diseases, starting with skin ulcers associated with scleroderma and hemophilia.

Human endothelial cell sheet



Vascular-like structure

Orange Inc. Profile

Orange

- Founded Year: 2021
- HQ: 1-14-14, Akasaka, Minato-ku, Tokyo, 107-0052, Japan
- Sector: Software
- Stage: Pre Series A
- Representative: Shoko Ugaki
- Contact: info@orange0.jp
- HP URL: https://orange.inc/

(Update date 2024/9)

Problem

The current state of global manga distribution.

・Only a very small selection of manga (around 1–2%) is being translated into English.
・Even fewer works are being translated into languages other than English.
・In countries outside of Japan, the spread of official digital manga has not yet fully taken root.

Solution

Manga translation publishing and operation of an English-language digital manga store.

・Development of a manga-specific localization system utilizing AI.
・Mass translation and publication of manga using the above system.
・Operation of an English-language digital manga store (https://emaqi.com).

Studio

HICKY, Inc. Profile

HICKY

- Founded Year: 2022
- HQ: Tokyo
- Sector: Medical Device Development
- Stage: Seed

- Representative: Kentaro Hayashi
- Contact: info@hicky.jp
- HP URL: https://www.hicky.jp/en

(Update date 2024/9)

Problem

To improve the prognosis of heart failure patients and enhance their sleep quality and quality of life.

Heart failure, affecting 1 in 10 elderly individuals, is a significant social issue. Central sleep apnea syndrome, which coexists in 40% of these patients, increases the rates of rehospitalization and mortality. Despite the large number of patients and the severe outcomes, there is still no standard treatment available.

Solution

Development of a new minimally invasive treatment device for central sleep apnea syndrome.

We aim to improve the prognosis of heart failure patients and enhance their sleep quality and quality of life by developing a medical device that manages central sleep apnea syndrome through a new treatment combining endovascular therapy and wireless charging.

Aillis, Inc. Profile

- Founded Year: November 2017
- HQ: Tokyo, Japan
- Sector: Medical device
- Stage: Series D

- Representative: Sho Okiyama
- Contact: public_relations@aillis.jp
- HP URL: https://aillis.jp/

（Updated：September 2024）

Problem

Promote research by creating a database of medical resources and resolve medical disparities

Throat examination is one of the most frequent medical examinations performed daily at medical facilities all over the world, but until now, only the doctor who examined the patient could check the patient's throat. We consider the data of the pharynx as an important medical resource and have constructed a database to digitize the pharyngeal examination. Based on this database, we are conducting research and development of AI for various infectious diseases and lifestyle-related diseases, aiming to solve the technical disparity among doctors and regional disparity in the future.

Solution

Development, manufacturing and sales of medical devices using AI technology
Research and development of artificial intelligence technology

Our mission is “To shape the future of healthcare — empowering all for co-creation”. We aim to create a society in which not only medical professionals but also everyone can contribute to medical care. We develop, manufacture, and sell medical devices using AI technology, and conduct research and development of artificial intelligence technology. As our first product, we have developed an AI medical device to determine infectious diseases.

Ofractal Inc. Profile

Ofractal

- Founded Year: 2024
- HQ: Shibuya, Tokyo
- Sector: Space
- Stage: Seed

- Representative: Naoya Ozaki
- Contact: ozaki.naoya@jaxa.jp
- HP URL: Preparing

（Update date 2024/9）

Problem

Asteroid impact on Earth and lack of resources in space

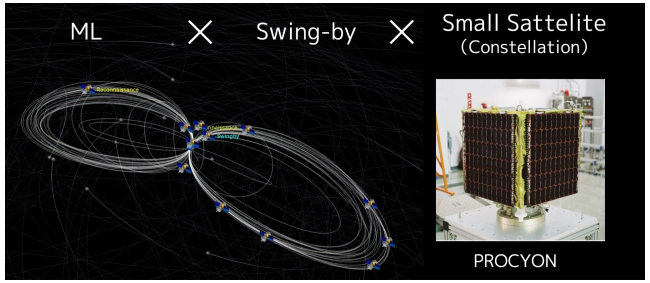
Responding to the rapid increase in asteroid discoveries: Planetary defense is becoming more important as the number of asteroid discoveries grows, increasing the risk to Earth. However, we are still not fully prepared for international action.

Utilization of asteroid resources: Resources from asteroids, like water, gold, and rare earths, are needed for lunar development and space bases. This is a business chance to lower transport costs from Earth, but detailed data on asteroids is still missing.

Solution

Exploring asteroid every month ～Small Satellite Constellation in Deep Space～

Our solution uses a special "swing-by" trajectory and machine learning to enable a spacecraft to travel between Earth and an asteroid in one year. This improves fuel efficiency and reduces exploration costs to around 1 billion yen. It also boosts exploration frequency from once every five years to monthly, allowing quicker responses to new celestial bodies. This system aims to enhance asteroid resource exploration and Earth's defense.



Solafune.Inc. Profile

- Founded Year: 2020
- HQ: Okinawa, Japan
- Sector: Satellite date analysis
- Stage: Series A

- Representative: Ren Uechi
- Contact: info@solafune.com
- HP URL: https://solafune.com/en

（Update date 2024/9）

Problem

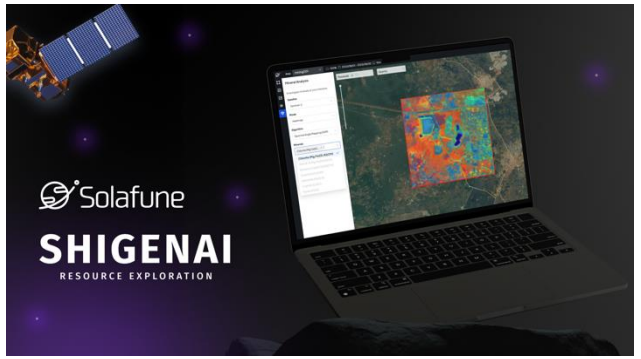
Hack the Planet

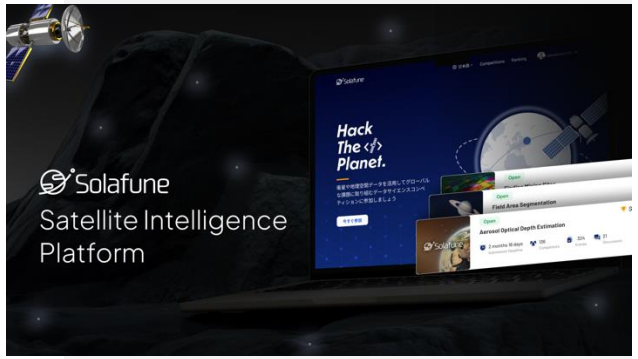
We develop technologies to analyze every event occurring on Earth and aim to solve social issues and business problems using satellite data. We support making data-driven, accurate decisions on critical challenges such as climate change, resource depletion, and infrastructure planning. By leveraging cutting-edge satellite data analysis technology, we strive to contribute to the realization of a sustainable and resilient future.

Solution

Development and provision of satellite data analysis technologies

We develop satellite and geospatial data analysis technologies for sectors such as agriculture, disaster management, natural resources, and defense. Our satellite data analysis platform, Solafune, also provides services used in over 110 countries worldwide.





Floadia Corporation Profile

- Founded Year: 2011
- HQ: Tokyo
- Sector: Semiconductor Manufacturing
- Stage: Series D

- Representative: Kosuke Okuyama
- Contact: info.qk@floadia.com
- HP URL: https://floadia.com/

（Update date 2024/9）

Problem

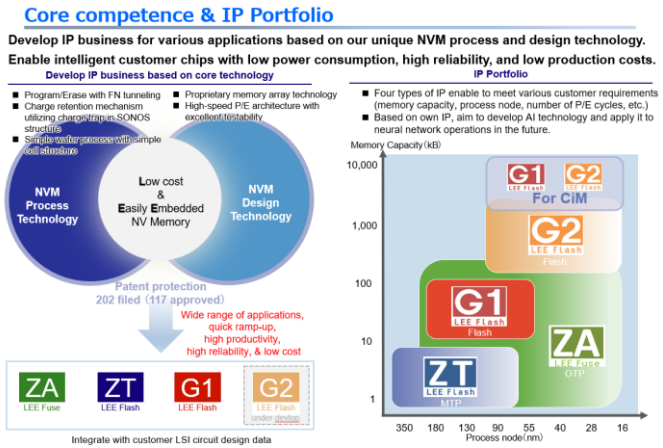
Develop and create CiM with US companies. Establish a foothold to expand IP business in US.

Regarding CiM for AI application fields that utilizes Floadia memory technology, collaboration with related companies and secure development funds to form an application development framework is necessary. Also, to create a business, collaboration and cooperate with other startup companies and entrepreneurs are necessary.

Solution

Licensing business for semiconductor non-volatile memory IP.
CIM technology development for AI application fields using non-volatile memory.

・Licensing business that develops and designs embed non-volatile memory IP for semiconductor products using proprietary technology and licenses its manufacture to foundries, and provides non-volatile memory design data as IP to fabless companies
・Development for the realization and market launch of palm-sized AI technology (Computing in Memory (CiM)) that utilizes semiconductor non-volatile memory to significantly reduce the power consumption of AI



PtBio Inc. Profile

- Founded Year: 2019
- HQ: Hiroshima, Japan
- Sector: Biotechnology, Foodtech
- Stage: Series A

- Representative: Yumiko Kusakabe
- Contact: info@pt-bio.com
- HP URL: https://www.pt-bio.com/en

（Update date 2024/9）

Problem

Egg allergy causes major health issues and results in egg allergy children and family to deal with special meal issues, being excluded from social events, and resulting in daily inconvenience

Egg allergy causes major health issues and results in egg allergy children and family to deal with having to prepare special meal, which causes anxiety and fear, and being excluded from certain social events and daily inconvenience.

Solution

PtBio EGG FOR ALL platform will offer Allergy-friendly egg product made by OVM-free egg.

PtBio successfully developed a project to provide allergy-friendly egg products, by use of our gene editing technology (Platinum TALEN). Through our proprietary genome editing technology, we can provide 'Ovomocoid-free egg' that can be used to produce allergy-friendly egg products, food and chicken breeds.

DigitalBlast, Inc. Profile

DigitalBlast

- Founded Year: 2018
- HQ: Tokyo
- Sector: On-orbit R&D Service
- Stage: Series A

- Representative: Shingo Horiguchi
- Contact: https://digitalblast.co.jp/contact/
- HP URL: https://digitalblast.co.jp/

（Update date 2024/9）

Problem

The space industry has a lot of potential, but there are several barriers to entry.

- **Loss of entry opportunities due to high levels of specialization and complex procedures**
- **Fewer experiment opportunities and high experiment costs**
- **Long lead time in the experiment process**
- **Potential loss of experiment opportunities after the retirement of International Space Station**

Solution

On-orbit R&D platform

1. **Space environment utilization service**
   Building the operational base of R&D service through contracted businesses with JAXA

2. **Advanced service with proprietary equipment**
   Providing the one-stop service with clients and develop comprehensive on-orbit R&D platform to support future growth of space industry

Digireha, Inc. Profile

- Founded Year: April 1st, 2021
- HQ: 1-36-6 Sangenjaya, Setagaya-ku, Tokyo 154-0024, Sangenrin Building 203
- Sector: Information and Communication Industry
- Stage: Pre-Series A
- Representative: Yuki Oka
- Contact: global@digireha.com
- HP URL: https://www.digireha.com/en/

（Update date 2024/9）

Problem

Empowering Rehabilitation: Anytime, Anywhere, with Joy and Results

Currently, there are three main challenges in rehabilitation:
1.Traditional clinical techniques are often monotonous and ingrained, making it difficult to motivate the individuals involved.
2.The appropriate amount of rehabilitation is not being provided.
3.Experience-based support tends to take precedence over Evidence-Based Practice (EBP).
We aim to address these societal challenges by building a system that enables enjoyable and effective rehabilitation anytime, anywhere, and as many times as needed.

Solution

Development and Distribution of Digital Rehabilitation Tools for Children and Adults with Disabilities

“Digireha” consists of over 40 applications, five different sensors, and a system that can analyze and visualize the collected data. As of September 2024, it has been implemented in more than 100 locations across Japan, including hospitals, after-school day services, and special needs schools.
The development team includes physical therapists, occupational therapists with field experience, and parents of children with disabilities who interact with them daily. This collaboration has enabled the creation of features such as customization options tailored to provide optimal rehabilitation environments for everyone.
We are conducting pilot implementations in India and preparing for sales in the United States beginning in 2025.

CureApp Profile

- Founded Year: 2014
- HQ: Tokyo
- Sector: Health Tech
- Stage: Series G

- Representative: Shijun Jo
- Contact: us-project.member@cureapp.jp
- HP URL: https://cureapp.co.jp/

（Update date 2024/9）

Problem

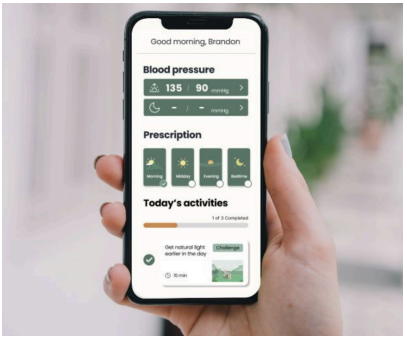
Chronic diseases needing lifestyle changes are hard to manage with traditional medications, straining healthcare resources and costs.

CureApp seeks to tackle the challenge of managing chronic diseases that are difficult to treat with traditional medication alone. Many conditions, such as nicotine dependence and hypertension, require significant lifestyle and behavioral changes, which can be hard for patients to achieve and maintain. Additionally, healthcare systems are increasingly burdened by rising medical costs and a shortage of resources, making it difficult to provide personalized care and long-term support to patients.

Solution

CureApp creates digital therapeutics apps to enhance patient outcomes and reduce healthcare costs

CureApp specializes in developing digital therapeutics apps based on cognitive behavioral therapy and advanced software technology. These apps offer a new approach to managing diseases by focusing on behavioral modification, which can be combined with pharmaceuticals for enhanced effectiveness. By improving personalized care and reducing the burden on healthcare professionals, CureApp aims to revolutionize medical treatment and lower healthcare costs.



Space Shift Inc. Profile

- Founded Year: 2009
- HQ: Chiyoda, Tokyo
- Sector: Information and communication industry
- Stage: Series B

- Representative: Naruo Kanemoto
- Contact: kanemoto@spcsft.com
- HP URL: https://www.spcsft.com

(Update date 2024/9)

Problem

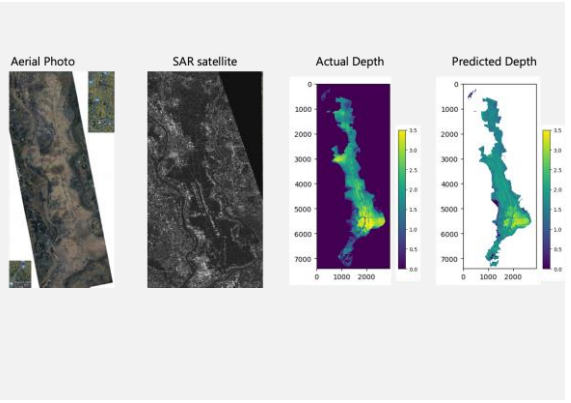
Responding to natural disasters and climate change. Addressing security problems. Improving agricultural efficiency.

Responding to the threat of increasingly severe and frequent natural disasters requires an initial response based on a rapid assessment of the damage. Climate change due to global warming and other factors must also be addressed, and it is important to reduce GHG emissions and achieve carbon neutrality. In addition, security issues are piling up amid the unstable international situation, and risks are expanding due to rapid changes in the balance of power and the emergence of new threats. Improving domestic food self-sufficiency and global food problems are also pressing issues, and it is necessary to improve the efficiency of agriculture by utilizing the latest technologies.

Solution

Utilization of satellite data to solve various social issues

Research and development of technology to automatically analyze data from earth observation satellites using AI for use in disaster response, agricultural monitoring, and security. To this end, they are developing automatic analysis technology for SAR (Synthetic Aperture Radar) satellites, which can be observed regardless of weather and time, but whose use has been limited to date due to the difficulty of the data. For instance, the company sells the results of its analysis of flooded areas to insurance companies. And provides information on the growth of agricultural crops to local governments and agricultural businesses.



Space Quarters Inc.
- The Pioneers of Space Architecture

- Founded: 2022
- HQ: Shibuya, Tokyo
- Sector: Space
- Stage: Pre-seed

- Representative: Shogo Onishi
- Cnntact: takahashi,munenori@space-quarters.com
- HP URL: https://space-quarters.com/

(Update date 2024/9)

Problem

There is no infrastructure in Space due to cost, lead time to build, and less design flexibility.

Solution

Space Quarters Inc. is developing the robot system that allows us to build in Space by bringing panels as a building material, unfolding them, and welding them together.

We can build a five times larger structure than that of ISS on a single launch.