UTEC

Co-Founders of Innovation

UTEC

株式会社東京大学エッジキャピタルパートナーズ

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2022.04.30
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ENGLISH ver

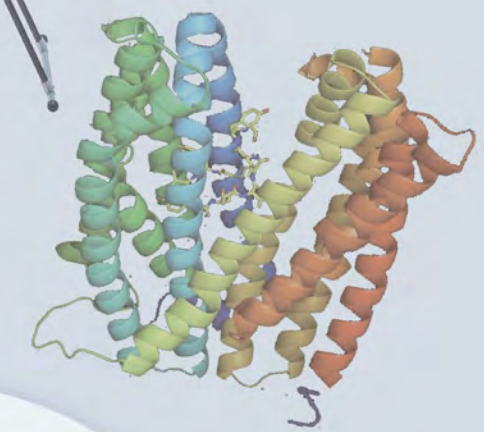
Science/Technologyを軸に、資本・人材・英知を還流させ、
世界・人類の課題を解決するための新産業を創造する

We create new industries to solve global issues of humankind, by bringing capital, talent and knowledge, around science and technology

郷治 友孝

Tomotaka Goji

INVESTMENT STRATEGY



Innovative Science & Technology

- Sourcing science and technology with real-world impact from academia such as the University of Tokyo, as well as other research institutions, corporates, and governments
- Building science and technology across multiple organizations

Strong Teams

- Focusing on skilled management teams that excel in product development and operations management
- Building great teams that can drive a business based on science and technology

Global Markets and Issues of Humankind

- Supporting entrepreneurs with a vision to expand to the global markets
- Joining the challenge to solve issues of humankind

3

INVESTMENT STRATEGY

Track Records (Selected)

Cirius Technologies August 2010 Acquired by Yahoo	Morpho July 2011 Listed on TSE Mothers	Naked Technology September 2011 Acquired by mixi, Inc	PHYZIOS February 2013 Acquired by Google Inc	PeptiDream June 2013 Listed on TSE Mothers December 2015 Listed on TSE 1st section
popIn May 2015 Acquired by Baidu Japan Inc.	GLM September 2017 Acquired by O LUXE HOLDINGS LIMITED	ACSL December 2018 Listed on TSE Mothers	mujin February 2019 MBO	AI inside December 2019 Listed on TSE Mothers
Neural Pocket August 2020 Listed on TSE Mothers	908devices December 2020 Listed on Nasdaq	FYUSION December 2020 Acquired by Cox Automotive Inc	AGARA December 2021 Acquired by Coinbase Global, Inc	JDSC UPGRADE JAPAN December 2021 Listed on TSE Mothers
FINATEXT December 2021 Listed on TSE Mothers	Green Earth Institute December 2021 Listed on TSE Mothers	Inst. Global Society December 2021 Listed on TSE Mothers		

COMPANY OVERVIEW

Since 2004, UTEC has established 5 funds amounting to a size approx. 84.7 billion yen.

- Founded April 1, 2004
- GP The University of Tokyo Edge Capital Partners Co., Ltd

UTEC 5 Limited Partnership

Established .....May 7, 2021
General Partner .....UTEC Partners LLP
Fund size .....About 30.4 billion yen
Number of Investments .....28 companies

UTEC 4 Limited Partnership

Established .....January 17, 2018
General Partner .....UTEC Partners LLP
Fund size .....About 24.3 billion yen
Number of Investments .....36 companies

UTEC 3 Limited Partnership

Established .....October 15, 2013
General Partner .....UTEC 3 Partners LLP
Fund size .....About 14.6 billion yen
Number of Investments .....31 Companies

UTEC 2 Limited Partnership

Established .....July 31, 2009
General Partners ... .UTEC, UTEC Venture Partners, Inc.
Fund size .....About 7.1 billion yen
Number of Investments .....13 Companies

UTEC 1 Exit Limited Partnership

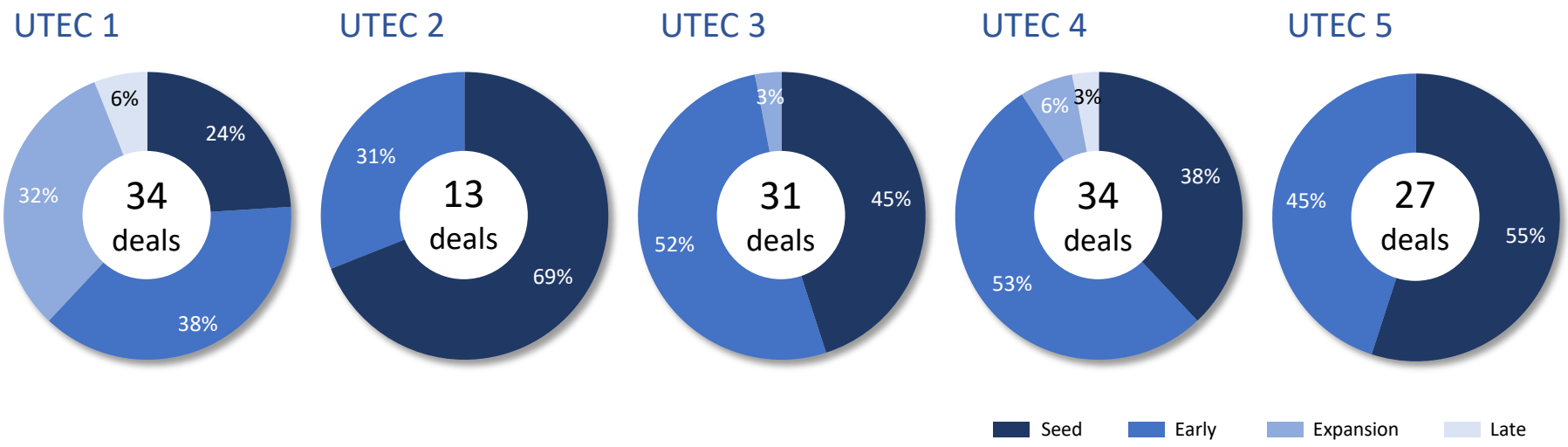
Established .....July 1, 2004
General Partner .....UTEC
Fund size .....About 8.3 billion yen
Number of Investments .....34 Companies

Comprehensive Support from Seed/Early Stages

UTEC invests in seed/early stage startups and provides hands-on support

Ratio of Initial Investment Stage *1 *2

deals/%



*1 Investment stage based on definition provided in the 2021 National Venture Capital Association Yearbook.
*2 As of April 2022. Deals invested in parallel through multiple funds are accounted for in each fund (excludes FoF investments)

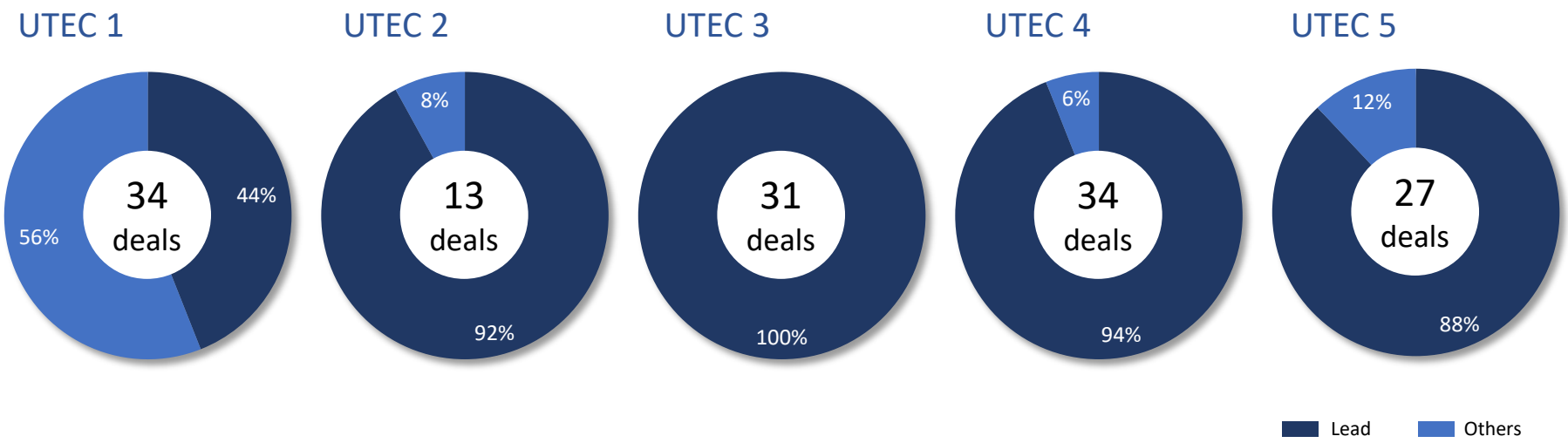
Strong Commitment

As lead investor, UTEC supports portfolio companies on financing and management issues.

* We send board members to portfolio companies to actively add value and support management.

Ratio of Lead Position *1 *2

deals/%



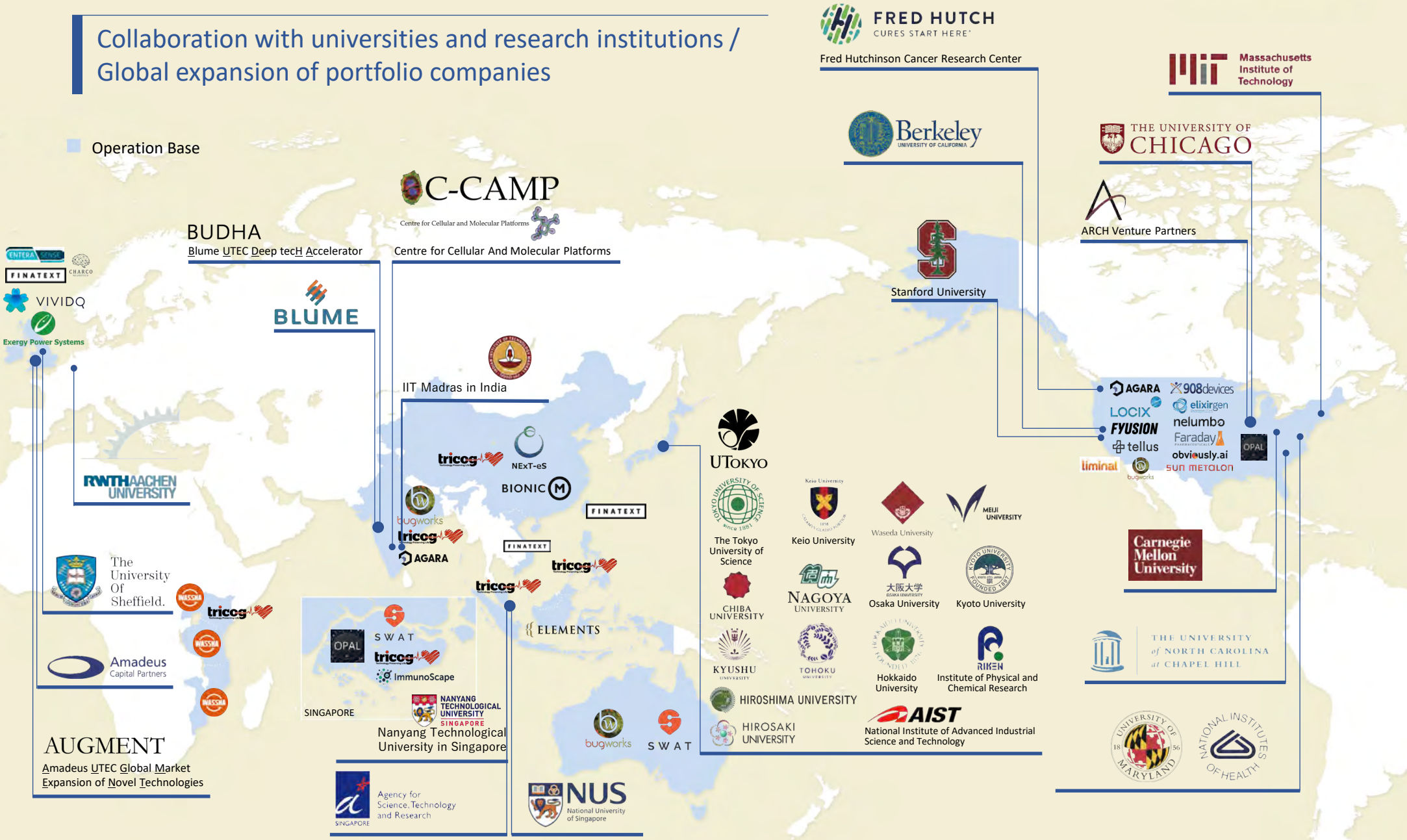
*1 Percentage of transactions in which a fund has taken a lead position in financing.

*2 As of April 2022. Deals invested in parallel through multiple funds are accounted for in each fund (excludes FoF investments)

GLOBAL EXPANSION

Network

Collaboration with universities and research institutions / Global expansion of portfolio companies



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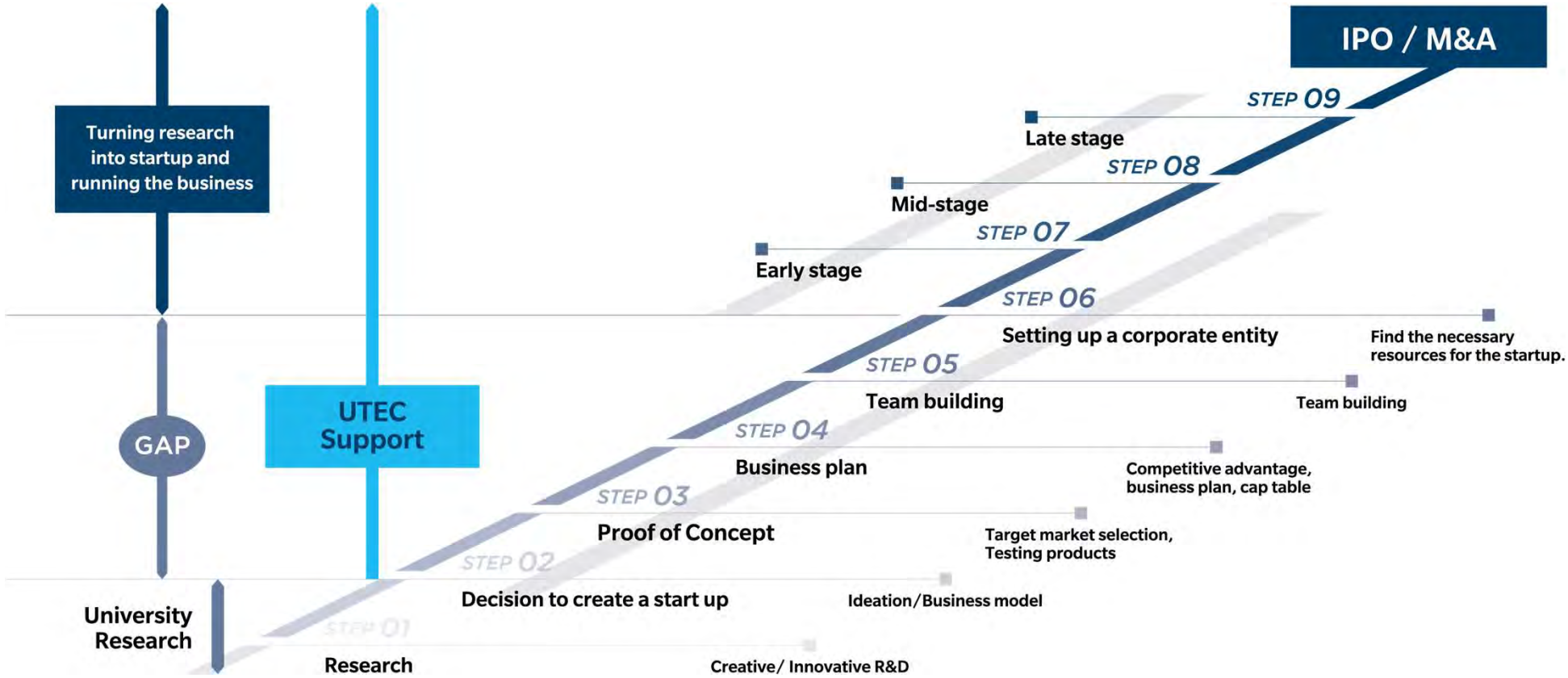
STARTUP SUPPORT PROGRAM

Investment Flow



UNIVERSITY SPONSORSHIP

Since 2017, UTEC has sponsored 25 projects at the University of Tokyo, strengthening its support for researchers and students.
Based on the outcomes of our venture capital business, we are expanding our support to UTokyo, other universities, and research institutions.

UTOKYO

UTokyo Foundation - UTEC UTokyo Future Society Initiative
- UTEC-UTokyo FSI Research Grant Program

Administration Bureau
- Division of University Corporate Relations
  - GAP Fund Program
  - Enhancement of patent application procedures, etc.
- Research Promotion Department
  - Support for The University of Tokyo Excellent Young Researcher
- Education and Student Support Department
  - Sports Promotion Fund / Sports Department Equipment Fund
  - UTEC-UTokyo Scholarship
  - UTokyo Alumni Giving Campaign 2021

Medical School Hospital
- Academic Research Grant: Translational Research Initiative (TR Organization)

Graduate Schools of Law and Politics
- Utilization of cutting-edge science and technology in the field of law and politics and interdisciplinary research

Graduate School of Medicine
- Programs for Leaders in Life Innovation

Graduate School of Engineering
- Leadership Development Program for Ph.D.
- Self-Managing Healthy Society COI base: Donations related to Medical Technologies Evaluation Laboratory
- Human Resources Development Fund in Deep Learning
- Development of human resources and strengthening the research base of Global Leader Program for Social Design and Management (GSDM)
- Endowed Chair for Blockchain Innovation
- Endowed Chair for Entrepreneurship Education Design

Graduate School of Science
- Young Scientist Future Fund

Graduate School of Agriculture and Life Sciences
- Agricultural Emergence Fund (Support for young researchers)

Graduate School of Economics
- Grant for Center for Advanced Research in Finance

Graduate School of Pharmaceutical Sciences
- Support for pharmaceutical research

Graduate School of Frontier Sciences
- Frontier Area Research Grant (Shigeyuki Kawano, Professor Emeritus, Utokyo) GSFS Foundation

Graduate School of Information Science and Technology
- Infrastructure Development Project for Information Science and Technology Research
- Next Generation Artificial Intelligence Research Center

Institute of Medical Science
- Young Researcher Development Project

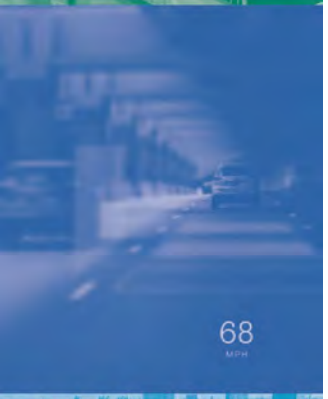
Institute of Industrial Science / Research Center for Advanced Science and Technology
- Komaba Research Campus,
- UTEC Young Researchers' Challenge Support Program

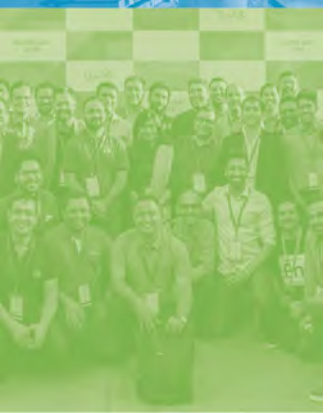
NAGOYA UNIVERSITY

Academic Research and Industrial-Academia-Government Collaboration
- Entrepreneurship program "Tongali Project"

CHIBA UNIVERSITY

Graduate School of Engineering
- Endowed Chair for Aerial Intelligent Vehicles





Portfolio Companies

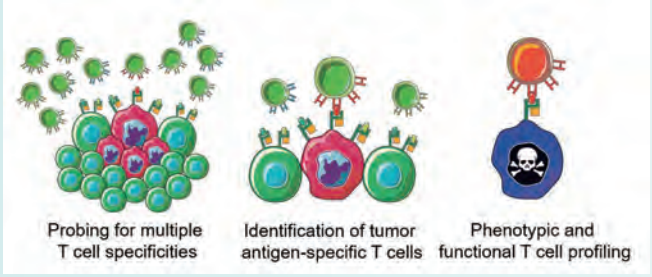
ImmunoScape Pte. Ltd.

Enabling immunotherapy through high-dimensional immune profiling

Q1 ImmunoScape was founded in December 2016 with the technology licensed from Dr Evan Newell's laboratory at the Singapore Immunology Network in A*STAR.

Q2 ImmunoScape employs cutting-edge technologies and mass cytometry to measure alterations of immune cells and in particular, antigen specific T cells specificity for biomarker and target identification, offering valuable insights on efficacy & safety of immunotherapies in R&D and clinical phase.

Q3 UTEC supports ImmunoScape in academic collaborations (especially with the University of Tokyo), business development and team-building strategy.



Immunological insights provided by ImmunoScape

Map of immune response landscape

EditForce Inc.

Contributing to drug discovery, agricultural seed development and material production through DNA / RNA manipulation technologies.

Q1

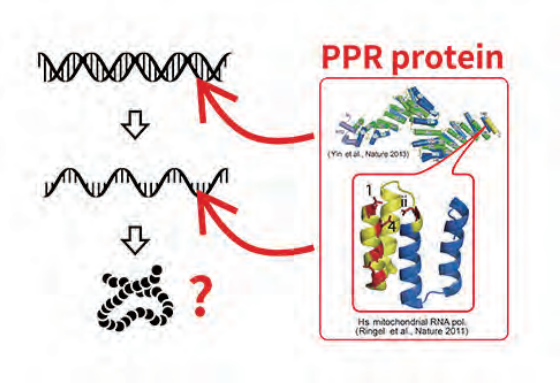
EditForce was founded based on the PPR genome editing technique invented by Takahiro Nakamura, Associate Professor at Kyushu University. EditForce aims to revolutionize the genome editing industry, which has been dominated by prior technologies such as ZFN, TALEN, and CRISPR.

Q2

PPR technology has the ability to recognize both DNA and RNA. It is the world's first genome editing tool that can edit both DNA and RNA.

Q3

UTEC has introduced management executives and external partners to EditForce and supports business planning as well as supporting potential IPO and M&A processes.



DNA/RNA modification by PPR

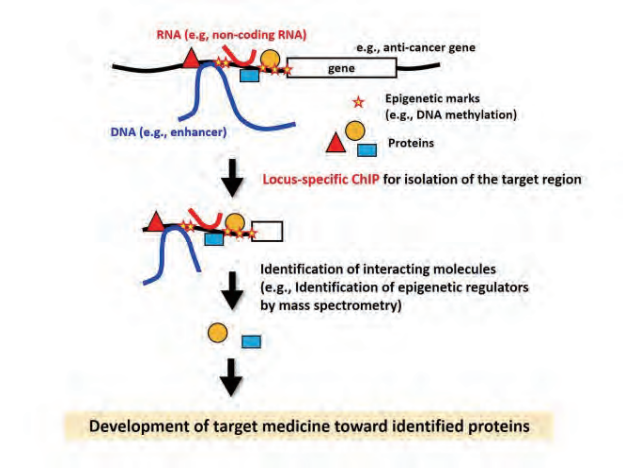
Epigeneron, Inc.

Development of innovative drugs in order to realize a disease-free society.

Q1 Dr. Hodaka Fujii, one of the founders and CSO of Epigeneron, Inc. and a Professor of Hirosaki University Graduate School of Medicine, and his colleagues have developed locus-specific ChIP technology which enables biochemical analysis of specific genomic regions. Using this technology, Epigeneron focuses on development of drugs against intractable diseases caused by abnormal functions of the genome.

Q2 Locus-specific ChIP and related novel innovative technologies for drug discovery and other fields. Epigeneron's technology is poised to tackle both existing and emerging healthcare issues.

Q3 UTEC provides financial support, assistance in patent enhancement, search for management talent, development of business model, etc.



Locus-specific_ChIP

Epigeneron is the 1st resident company at Bayer Colaborator Kobe

Elixirgen Therapeutics, Inc.

Revolutionary cure for rare diseases using ZSCAN4 cell therapy

Q1

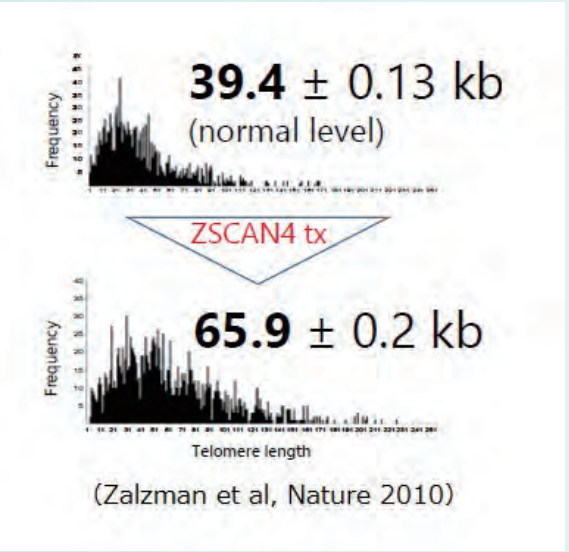
Elixirgen was founded in 2017 by Dr. Minoru Ko, currently a professor at Keio University and formerly a Section Chief at the NIH. Dr Ko aimed to apply his discoveries in stem cell biology to cure diseases.

Q2

Elixirgen's technology is based on the discovery that the ZSCAN4 gene increases the genome stability of the stem cell and elongates telomeres. The company developed the technology to introduce ZSCAN4 into cells such as hematopoietic stem cells in the form of RNA therapeutic agent that does not disrupt the genome, rendering the procedure safer. They have completed the Pre-IND with the U.S. FDA and now aim for early clinical trials for telomere disease, including congenital dyskeratosis.

Q3

UTEC has provided funding for clinical trials, networking opportunities for companies, investors and human resources, and support for potential IPO processes.



Example of telomere extension by ZSCAN4

Elixir Pharma Inc.

Realizing "active healthy longevity society" by creating medicines to solve the walking function deterioration due to aging

Q1

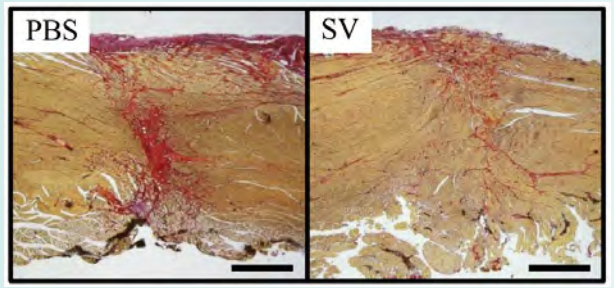
Elixir Pharma was founded to develop therapeutic agents for muscle atrophy and rupture by leveraging the muscle regeneration function of a portion of "osteopontin" (known as substrate protein) discovered at Osaka University.

Q2

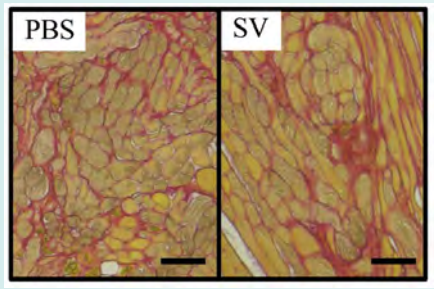
Functional peptide technology to activate skeletal muscle hygiene cells and its applicability to various diseases involving muscle loss, damage, fibrosis, etc.

Q3

Financial support to materialize the GLP toxicity study and HR support for hiring executives and other personnel to accelerate business development



SV peptide suppresses the growth of fibrotic scar tissue



SV peptide facilitates muscle regeneration

OriCiro Genomics, Inc.

Innovative cell-free DNA assembly and amplification technology for Synthetic Biology

Q1

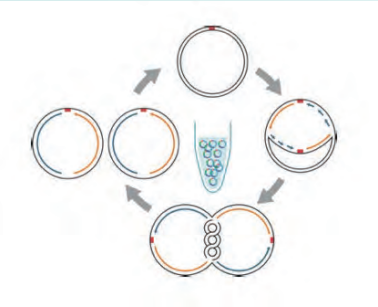
OriCiro's technology was invented by Dr. Masayuki Suetsugu of Rikkyo University, a co-founder of the company through his research under the ImPACT program funded by the Japanese government. The formation of the company was led by UTEC for the purpose of commercializing the invention as a platform technology for the emerging field of Synthetic Biology.

Q2

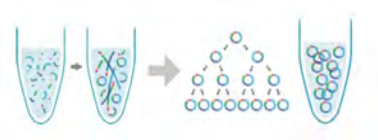
Cell-based cloning is widely used today for amplifying large DNA as an essential part of biotech research and development. However, it is a cumbersome and time-consuming process. OriCiro's technology offers a solution in the form cell-free DNA amplification. The technology allows not only the amplification of large DNA but also the amplification of sequences that are infeasible to amplify by existing methods. Furthermore, OriCiro's technology can assemble many DNA fragments into a large DNA more efficiently than current approaches. Combining OriCiro's assembly and amplification processes unlocks a new innovative and efficient synthesis of genome-size DNA.

Q3

UTEC recognized the innovativeness of the technology at the very early stage of its development and led the OriCiro's startup process, including the formation of the management team. UTEC has provided support in negotiating alliances with pharmaceutical companies, building intellectual properties, and recruiting human resources.



Reconstruction of the E.coli genome propagation process in vitro



Efficient synthesis of genome-size DNA from multiple DNA fragments

Viscous, synthesized long-strand DNA

CREWT Medical Systems, Inc.

Applying cutting edge lens designing technology for the improvement of quality of vision for a lifetime

Q1 The founders made a new business proposal while they worked at their former company, HOYA. After realizing the potential of the technology and business, the founders spun out the proposal as an independent company: CREWT Medical Systems. Professor Aihara from the University of Tokyo Hospital (Dept. of Ophthalmology) joined their team as a consultant to support the implementation of their technology.

Q2 Building medical devices and creating value through a unique combination of advanced optical technology.

Q3 UTEC has helped CREWT to strengthening business plans, introduced co-investors in its fundraising, and supported its capital tie-ups with business partners

Head mounted device "imo®"

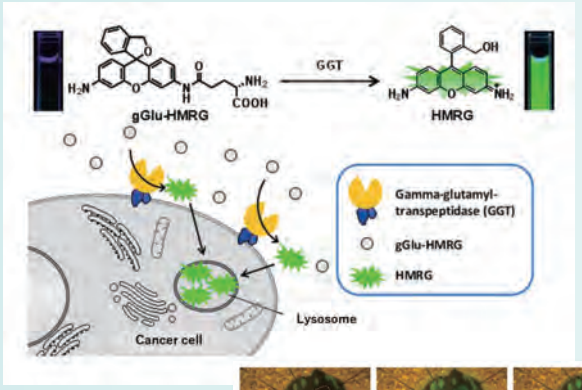
GORYO Chemical, Inc.

Development of fluorescent probes for quick diagnosis during cancer surgery

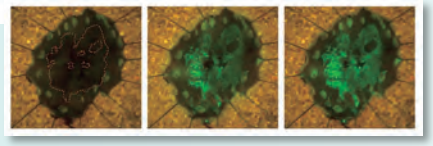
Q1 Goryo Chemical, Inc. was established in 2010 in Sapporo, Hokkaido to develop fluorescent probes not only for research reagents but also for medical use.

Q2 Goryo Chemical has platform technologies of fluorescent dyes for diagnostics, which were initially developed by Urano Laboratory of the University of Tokyo. Furthermore, Goryo Chemical has the capability of synthesizing these dyes efficiently.

Q3 UTEC connected Goryo Chemical with the University of Tokyo and has offered hands-on support including business planning, financing and recruiting.



Detection of cancer cells using gGlu-HMRG fluorescence



Human ESD (Endoscopic Submucosal Dissection) cancer samples at each reaction state with EP-HMRG (before spraying EP-HMRG (left), after 5 min (middle) and after 10 min (right))

Celaid Therapeutics Inc.

Regenerative medicine start-up aiming to develop next-generation cell therapy products using human hematopoietic stem cell expansion technology

Q1

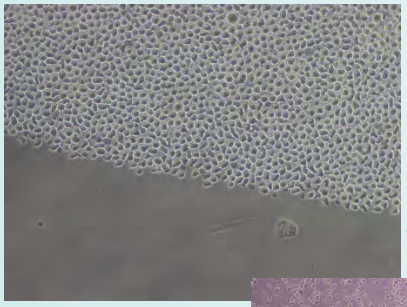
The team of founders, Dr. Satoshi Yamazaki of University of Tsukuba and Dr. Hiromitsu Nakauchi of the Institute of Medical Science, the University of Tokyo, has succeeded in establishing large-scale expansion technology for mouse HSC in vitro using PVA, which is a component of liquid glue. Door to clinical applications opened when they succeeded the same with human HSC. The company was founded to accelerate its clinical application in the field of cell therapy, which is expected to grow in the future.

Q2

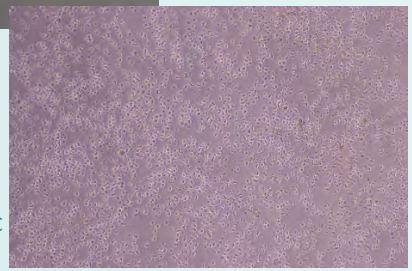
In vitro expansion of human HSC has been difficult until now. The conventional cell growth media, containing biological substances such as albumin and cytokine, carry problems such as low reproducibility, difficulty in quality control, and high cost of raw materials. Our technology enabled in vitro expansion of human HSC in an albumin/cytokine-free medium, which allows easy quality control and cost reduction. In addition, since HSC can be expanded regardless of the source (bone marrow, umbilical cord blood, peripheral blood), application to various diseases can be expected.

Q3

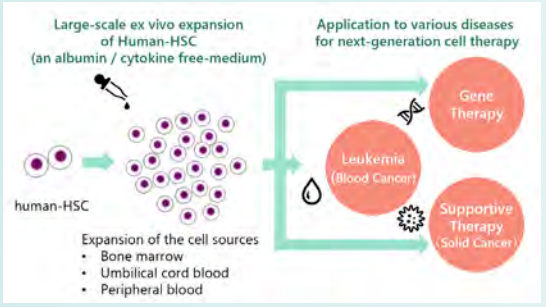
UTEC recognized the innovativeness of this technology from its early stage and made its commercialization possible through seed investment. In addition to funding, UTEC has provided assistance in formulating business strategies and development plans, searching for and introducing human resources, and providing legal and intellectual property support.



Succeeded in large-scale expansion of mouse HSC in vitro



Succeeded in large-scale expansion of human HSC in vitro



Large-scale ex vivo expansion of human HSC can be expected for clinical applications to various diseases

SOCIUM Inc.

Repurposing and developing pharmaceuticals using a systems biology approach to omics data analysis.

Q1 SOCIUM was established in 2017 with the aim of developing a drug discovery and development platform based on unique gene expression omnibus analysis algorithms developed by Katsuhisa Horimoto in Advanced Industrial Science and Technology (AIST).

Q2 SOCIUM's technology extracts disease-related genes and pathways with high accuracy based on biological significance. Therefore, compared to conventional analysis approaches, SOCIUM can achieve a higher success rate in drug discovery and development

Q3 UTEC supports SOCIUM in fund-raising, partnering with pharmaceutical companies, and recruiting management talents.

Service flow chart composed with several patents

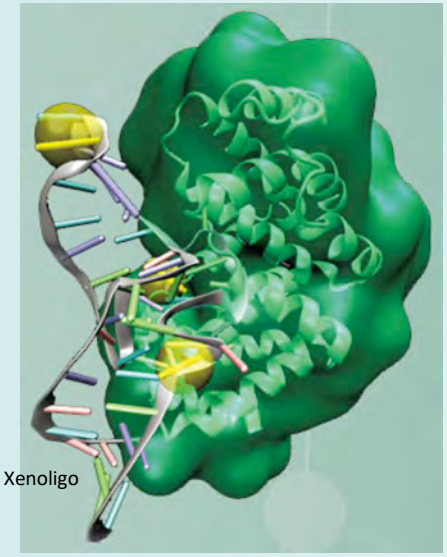
TAGCyx Biotechnologies

Oligonucleotide based drug discovery platform to revolutionise expensive healthcare economy by discovering low cost, highly effective and safe medicines.

Q1 With the vision to commercialize "Artificial base-pairing technology" and its application in a wide range of Life Science fields, TagCyx was co-founded by Dr. Hirao Ichiro, former Leader of the RIKEN Synthetic Molecular Biology Team, and others in 2007. From 2016, TAGCyx targets drug discovery and development as their main focus.

Q2 Nucleic acid drugs can be created with unprecedented efficacy using the Xenoligo™ platform which possesses high affinity and selectivity for target substances.

Q3 UTEC has supported TAGCyx for management structuring, fundraising, business alliances, etc.



Generation of Xenoligo molecules by SELEX

Glytech, Inc.

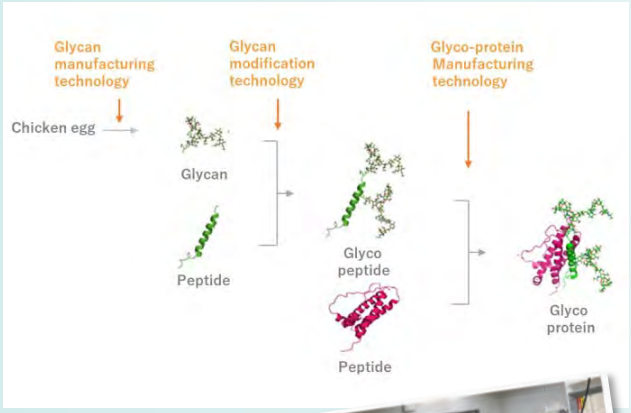
GlyTech, Inc.

Improving drug properties through chemical generation of glycosylated peptides and proteins

Q1 Glytech was incorporated with the goals of realizing the practical mass production of highly pure glycans and demonstrating the capabilities of glycans to functionalize biomedical products. These technologies are based on the research results of the founder's previous work at Otsuka Chemical Co., Ltd. and a collaborative research project with Professor Yasuhiro Kajihara of Osaka University.

Q2 Drug discovery screening system and commercial production of drug substance through precise and rapid chemical synthesis of biopharmaceutical drugs and compounds such as glycopeptides and glycoproteins.

Q3 UTEC has provided assistance with financing and governance structuring after Series A round and beyond.



Attachment of Glycans to Peptides/Proteins via Solid or Solution Phase Synthesis

Laboratory

Tricog Health Pte. Ltd.

Tricog offers an AI-driven virtual cardiologist at health centers, with a vision to achieve accessible, affordable healthcare for all.

Q1

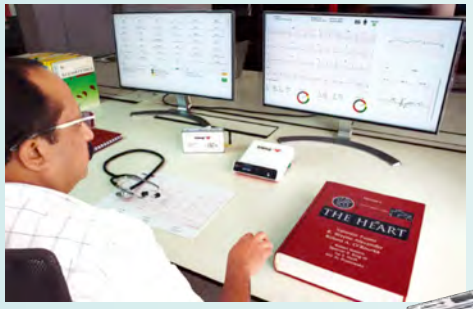
Tricog was founded in 2015 by Dr. Charit Bhograj, an interventional cardiologist with over 15 years of experience. Dr. Charit started Tricog with Dr. Zainul Charbiwala, an electrical engineer and a PhD from UCLA, Dr. Udayan Dasgupta, an algorithm expert and Abhinav Gujjar, a software platform architect.

Q2

Tricog is one of the world's largest healthcare AI companies with over 5 million patients in 15 countries with India, Philippines, Malaysia, Indonesia and Kenya being the major markets. Tricog offers a complete cardiology platform with products for AI-driven ECG, remote cardiac ultrasound and Arrhythmia/Holter diagnosis. Tricog has multi-faceted partnerships with major Healthcare & Pharmaceutical companies such as AstraZeneca, General Electric, Fukuda Denshi, etc.

Q3

In addition to financial support and advisory, UTEC is actively helping Tricog by introducing Japanese medical equipment manufacturers for business expansion and hospitals/university labs for collaborative research.



AI algorithms and doctors working hand in hand

Tricog communicator that can interface with multiple devices

Expansion to 15 countries in Asia and Africa

PURMX Therapeutics Co., Ltd.

Development of natural MicroRNA drugs to help patients with intractable diseases

Q1

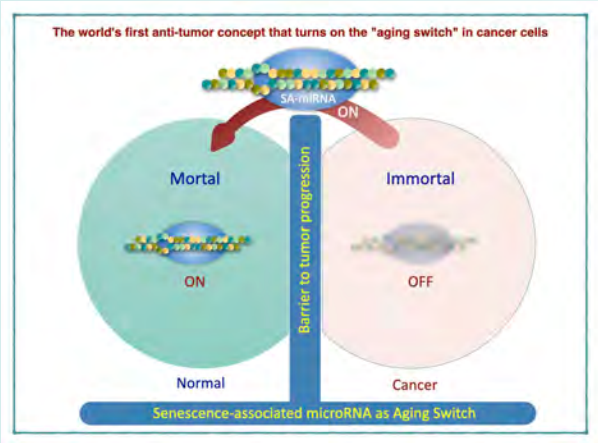
Prof. Hidetoshi Tahara of Hiroshima University has discovered the anti-tumor effect of microRNAs related to aging and has developed its own functional screening system for this kind of RNAs. He started a start-up company because he had reached the stage of clinical development of potent microRNAs.

Q2

Our MicroRNA medicines have the potential to overcome drug resistance, which is a challenge with existing anti-tumor drugs that target a single gene, because they target multiple genes relating to cancer growth.

Q3

UTEC recognized the innovativeness of this technology from the early stages at Hiroshima University and has provided hands-on support for its commercialization, especially in its IP formulation and recruitment of management talent for drug development.



Anti-tumor therapy using senescence-associated microRNA

Bugworks Research, Inc.

Development of Novel Class of Antibiotics exhibiting Broad Spectrum Activity against all-known classes of drug resistant bacteria.

Q1

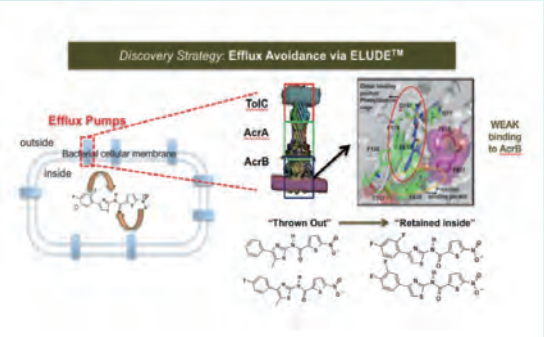
Bugworks was started in 2014 by industry veterans Dr. Anand Anankumar, Dr. Santanu Datta and Dr. V Balasubramanian to tackle the issue of global Anti-Microbial Resistance(AMR). In July 2017, Bugworks became the first Asian company to win the prestigious CARB-X grant. The Bugworks Research lab in Bangalore, India has a team of several scientists and PhDs with a combined experience over 200 years in drug discovery. Bugworks has an extended team in US and Australia, too.

Q2

Using proprietary ELUDE™ platform, Bugworks has come up with a first-in-class antibiotic series with the following characteristics: Efflux Unbinding, Dual-Target Mechanism attacking two enzymes relating to bacterial DNA structure (Gyrase and Topo IV) and Broad-Spectrum Utility effective on all known classes of drug resistant bacteria (NDM, KPC, ESBL,MRSA etc.)

Q3

UTEC provided Bugworks collaborative opportunities with Japan by introducing Japanese pharmaceutical companies, as well as Japanese academics such as Prof. Satoshi Murakami at Tokyo Institute of Technology, who clarified the crystal structure of multidrug release transporter AcrB as the company's Scientific Advisor. UTEC also supports Bugworks by offering financial advisory and fundraising support.



Proprietary ELUDE™ platform of Bugworks

bitBiome, Inc.

Create new industries and precision medicine from microorganisms using next-generation microbiome analysis

Q1

In cooperation with UTEC, bitBiome was founded in 2018 with the aim to create new industries using next-generation whole genome microbiome analysis that is based on the single-cell genomics technology developed by CSO Dr. Masahito Hosokawa, an associate professor of Waseda University.

Q2

bitBiome has developed the world's first whole single cell genomics technology that can be applied to microorganisms. This technology has enabled the collection of a much higher resolution and more complete whole genome information relative to conventional techniques. bitBiome provides customers with unique joint research and contract analysis service along with plans to move into drug discovery and development.

Q3

UTEC has provided bitBiome with support from its startup phase in business development, IP strategy, assembling management talents, etc.

Workflow of single-cell genomics

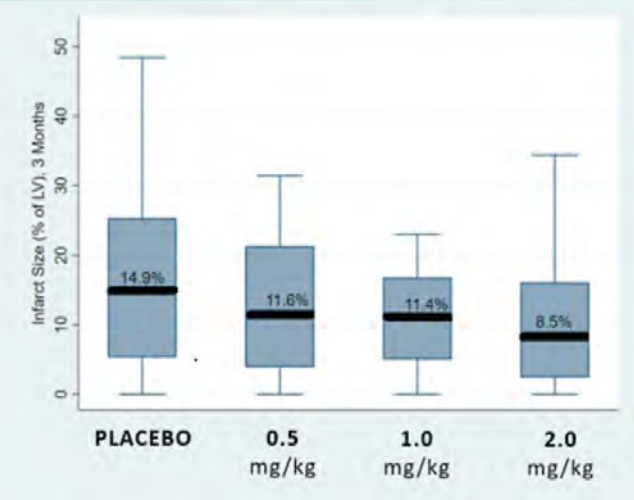
Faraday Pharmaceuticals, Inc.

Pioneering the use of specific, reduced forms of natural elements — elemental reducing agents — to improve quality of life after acute, critical illness.

Q1 Faraday Pharmaceuticals was founded in 2014 based on the research of Dr. Mark Roth of the Fred Hutchinson Cancer Research Center, to improve the quality of life for patients suffering from acute, critical illnesses.

Q2 Faraday's proprietary therapeutic, FDY-5301, has been shown to catalytically destroy hydrogen peroxide and is therefore uniquely differentiated from sacrificial anti-oxidants such as Vitamin C, providing a key advantage in the destruction of reactive oxygen species.

Q3 UTEC supports Faraday in their academic collaborations, business development objectives, and handling regulatory affairs especially in Japan.



Infarct size assessed by cardiac magnetic resonance in a Phase 2 trial

MiRTeL Co., Ltd.

MiRTeL innovates the forefront of preventive medicine in order to increase life expectancy and reduce medical expenditure.

Q1

MiRTeL was established by Prof. Hidetoshi Tahara of Hiroshima University. Prof. Tahara realized the importance of practical applications of basic research when he was faced with the loss of his co-worker who died of juvenile gastric cancer. He developed the G-tail length measurement technology to enable a pre-symptomatic test for cancer. Furthermore, he endeavors to realize a healthy society and extend lifespan through early detection tests with microRNA.

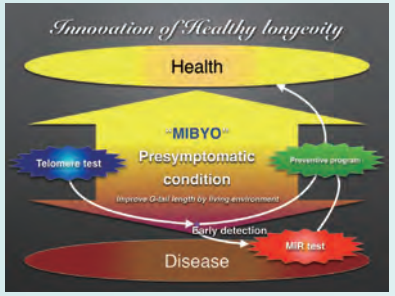
Q2

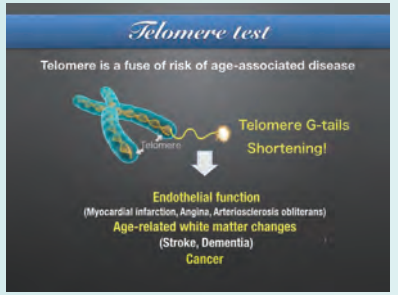
The first ''pre-symptomatic test'' in the world using the telomere G tail length measurement technology and early detection of diseases through the examination of disease-specific microRNA in body fluids.

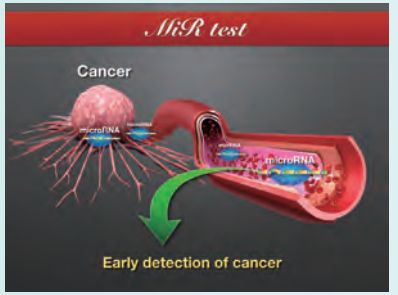
Q3

UTEC assists the company in fundraising, business planning, human resources management, intellectual property advisory, and license contract negotiation.

UTEC has supported the company for fundraising, governance structuring, etc.







Metcela Inc.

Revolutionizing the Way We Treat Heart Failure

Q1

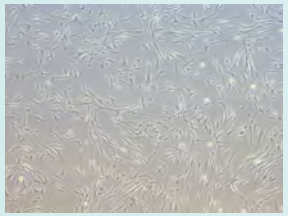
With the aim of commercializing the results of Dr. Takahiro Iwamiya's doctoral research on cardiac fibroblasts at Tokyo Women's Medical University, Metcela was cofounded in 2016 after two years of preparatory work by Dr. Iwamiya and Kenichi Nogami, who had experience at a foreign investment bank and a start-up.

Q2

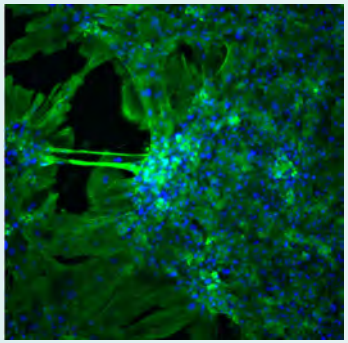
- Autologous and tissue-specific cell therapy: high efficacy and low-cost manufacturing
- Unique positioning by combining the cells with a proprietary mapping and catheter delivery technology which enables safe and accurate cell injections to the heart
- Proven mechanism of action of the therapy as a platform-enabling technology, in addition to proven efficacy in multiple animal models

Q3

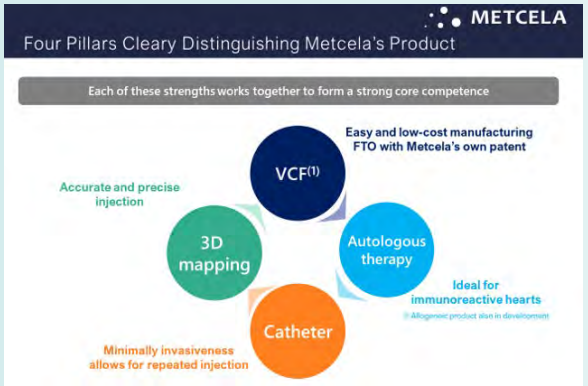
Financial strategy and hiring talents



Human VCAM-1-positive Cardiac Fibroblasts



Cardiomyocytes and VCFs forms a tight network when co-cultured together



4 clear pillars distinguishing Metcela from the rest

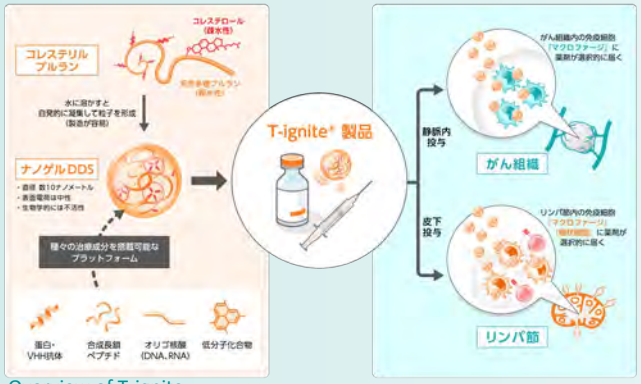
United Immunity, Co., Ltd.

Uniting the Power of Nanotechnology and Immunity for the Fight to Cancer

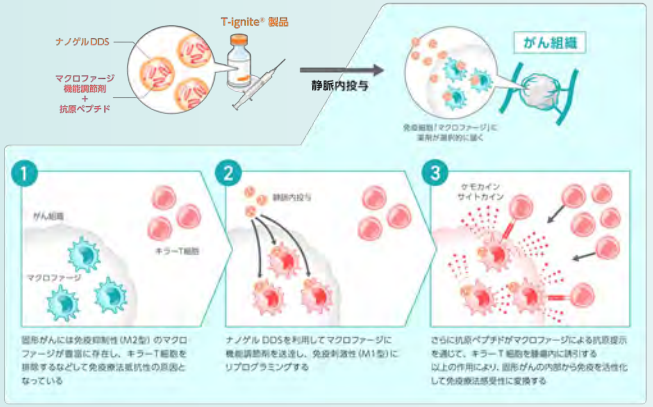
Q1 Founding scientist and inventor Dr. Naozumi Harada founded United Immunity in 2017 to utilize the results of Professor Kazunari Akiyoshi's nanogel engineering research at Kyoto University.

Q2 TAMs specific targeting technology, variety of functional drug candidates to combine with nanogel

Q3 Hands-on support including advice on R&D plans, structuring corporate governance, and recruitment of management talents



Overview of T-ignite



TAMs targeting (intravenous injection)

Repertoire Genesis Inc.

Innovating diagnostic and therapeutic development using next-generation immunodiversity analysis

Q1

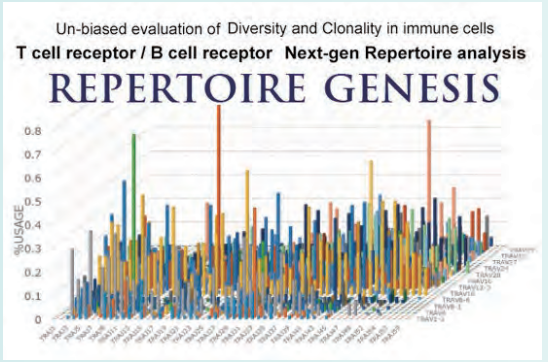
Dr. Ryuji Suzuki (formerly at Shionogi Inc. and Sagamihara National Hospital) developed bioinformatics software for fast and accurate repertoire analysis on immunity cell receptors (TCR / BCR) with his original unbiased gene amplification technology. Hence, Repertoire Genesis was founded in 2014 in cooperation with UTEC.

Q2

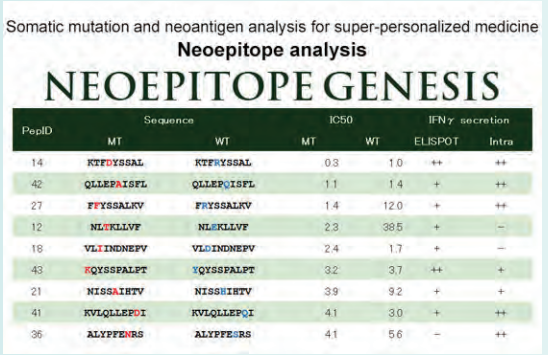
Repertoire Genesis has a unique technology to analyze immune repertoire accurately and comprehensively from both antigen and antibody factors. The company has dramatically improved the efficiency of development of therapeutic drugs and diagnostic agents for the immune system by in-depth monitoring of immune response in-vivo.
Their analysis services are being used at numerous domestic and overseas research institutes and pharmaceutical companies including The University of Tokyo School of Medicine Hospital and The University of California San Diego. The company strives to further improve the accuracy of analysis through collaborative research.

Q3

UTEC has contributed to the fundraising from the company's start-up phase onward, building corporate governance, recruiting management talent, and executing exit procedures through an IPO or M&A.



Unbiased next-gen T cell receptor (TCR)/ B cell receptor (BCR) repertoire analysis



Somatic mutation and neoantigen analysis

Aidemy Inc.

A leading company supporting the internalization of AI

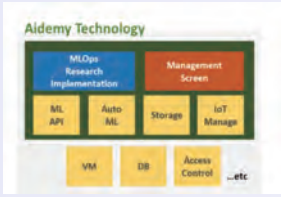
Q1 CEO Akihiko Ishikawa majored in the field of applied machine learning at the University of Tokyo's Engineering School. He realized the difficulty in acquiring AI programming skills. Thus, he developed "Aidemy", to train and increase the pool of AI engineers, who are in short supply today.

Q2 Aidemy, Inc. launched Aidemy, a training platform specializing in AI programming for corporations and individuals, in December 2017, as well as providing support services for AI organization in-house production and AI system operation for corporations. Strengths of the service include: UX that allows users to start learning immediately without the need to build an environment; a track record of training many users as an AI training service with a cumulative total of more than 150,000 users as of March 2022; and accumulation of know-how in supporting client companies from organizational design to actual AI operation to enable them to conduct AI-based data analysis in-house.

Q3 Financing from the seed stage, formulation of Aidemy's business plan and management strategy, management team building, corporate governance, introduction of client companies, etc.

Easy to learn especially online contents

Internalization of AI-related organizations and self-operation of AI-related systems



"Aidemy Technology" – A platform simplifying AI operation

Adacotech Inc.

Accelerate the evolution and revolution of manufacturing

Q1

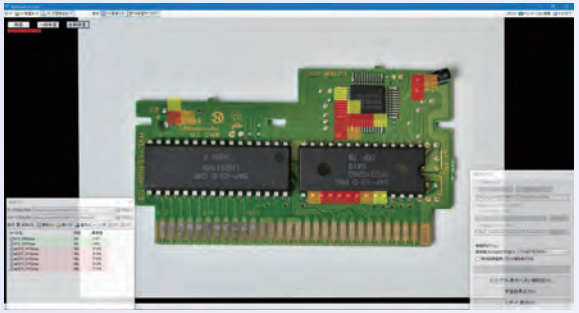
Adacotech Inc. was incorporated in 2012 with the aim of practical application of its anomaly detection AI, based on "Adaptive Learning Recognition Method Using Higher-Order Local Autocorrelation Feature Extraction Methodology," a technology invented at Japan's National Institute of Advanced Industrial Science and Technology (AIST).

Q2

Adacotech Inc.'s proprietary anomaly detection AI products provide close-to-zero false negatives (detecting abnormal objects as normal) with less amount of training data. The products achieve high speed inference and explainability, and are already applied in quality assurance divisions of many manufacturing companies.

Q3

UTEC lead Series A financing and beyond as an lead investor, assisting in the development of Adacotech's corporate strategy, business development and team building.



Anomaly detection with close-to-zero error

Many examples of introduction to production lines, mainly in the automobile, electronic parts, and semiconductor industries

ALGO ARTIS Corporation

AI service business for infrastructure for electric power and logistics companies

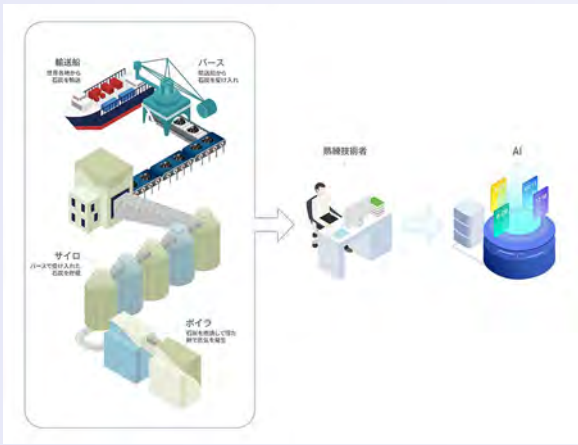
Q1 AlgoArtis was started as a new business project within DeNA in 2017. AlgoArtis was subsequently founded as its spin-out in 2021.

Q2 The founders are a very rare team of engineers in Japan who have the ability to handle heuristic solutions fully and communicate with customers smoothly. AlgoArtis's algorithms enable customers to optimize complex real-world operations that are difficult to solve using conventional machine learning methodologies such as supervised learning, reinforcement learning and mathematical optimal solvers (linear programming, etc.).

The company provides full stack secure supports from the back-end side, by linking algorithms and front-end, to benefit customers with system development capabilities and a level of real-world operation that can be flexibly implemented based on the cloud.

Q3 Hands-on support for business planning, finance, hiring, risk control, etc.

Coal-fired power plant



Supply chain optimization leveraging AI

Alumnote Inc.

Support for building alumni networks for universities and corporations

Q1

Toga Nakazawa, who won Japan's Minister of Internal Affairs and Communications Award at the Entrepreneurship Koshien in 2021 while a law student at the University of Tokyo, started Alumnote to create a system to funnel funds to universities in order to overcome Japan's social problem of declining international competitiveness of universities.

Q2

The company developed "Alumnote Community," which enables the creation of an alumni data platform that is easy for universities to manage, something that has been difficult with social networking services. The company aims to revitalize the alumni community with tools to streamline community management and functions that enable tracking and visualization of alumni behavior. In addition to organizing events, the system allows for donations, crowdfunding, and job board postings, aiming to sophisticating donation marketing in Japan.

Q3

General advice on managerial issues for seed stage startups, such as fundraising and team formation. UTEC also outsourced one of its donation projects for the University of Tokyo community to the company.

Alumnote Community

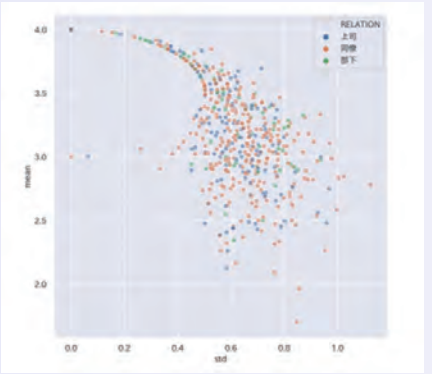
Institution for a Global Society Corporation

People Analytics and Ed Tech startup leveraging cutting-edge technology for talent assessment and education.

Q1 Founder Dr. Masahiro Fukuhara believed that the cause of decline of competitiveness amongst Japanese companies is due to the lack of scientific thought process in the fields of corporate education and HR management. Hence, he founded IGS to solve this problem by leveraging his experience as a quant analyst and manager at the world's largest investment firm and his research contacts (the University of Tokyo and others).

Q2 The IGS team comprises experts in machine learning and NLP. Leveraging on their expertise, they make use of big data derived from elementary school students to senior citizens to assess and educate HR. They provide such services to a wide range of customers, from international organizations, governments, schools to large corporations.

Q3 UTEC supports IGS in their corporate sales strategy, providing its network of connections with government agencies, universities and corporates as well as fostering collaborations and providing financial support..



Temperament and competency AI measurement tool for corporations, GROW360

IAT, a game-style temperament measurement tool

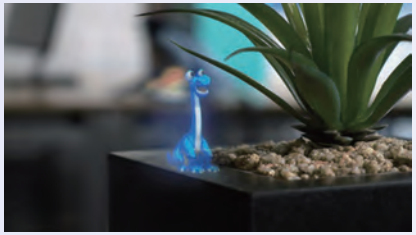
VividQ Limited

Towards the mass adoption of 3D holographic display

Q1 Initially founded as a data compression startup, VividQ pivoted to a software startup building commercial applications for 3D holographic displays using their patented technology, thanks to the support from Prof. Tim Wilkinson of The Centre for Advanced Photonics and Electronics, Cambridge University..

Q2 High-quality, fast and scalable implementation of computer-generated holograms, computational aberration correction technology, and GPU-enabled fast implementation. Partnerships with major suppliers for the constituent parts required for holographic display configuration.

Q3 Co-lead of the Seed round, support of the Seed-2 round, set-up of the APAC team, business development in the Japanese market, building relationships with Japanese academia



VividQ holographic display can express "the sense of depth"

AR HUD, one of the applications of VividQ software, superimposes information in a form that matches the object in the real world

VividQ team with many PhD talents from University of Cambridge, Oxford University, and so on

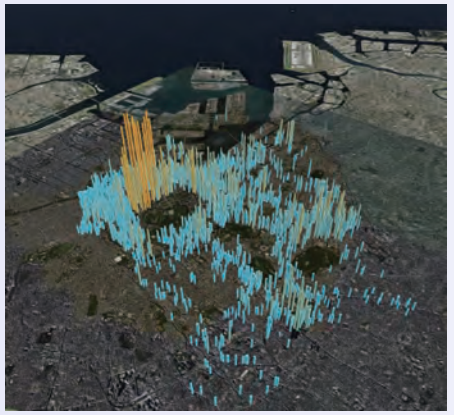
estie, inc.

Modernizing Real Estate

Q1 estie founder Ei Hirai developed and implemented statistical analysis methods for real estate performance during his time engaging in overseas real estate investment and office leasing sales at Mitsubishi Real Estate. Hence, he started estie to solve the industry problem where even professionals have not been making objective decisions based on sufficient logical evidence, while tenants were forced to make decisions with insufficient information.

Q2 The estie team possesses deep real estate industry knowledge, which they leverage on to build algorithms for estimating rents and other real estate quantitative indicators. These algorithms are hard to imitate as they are based on one of the largest integrated databases in the market.

Q3 As a lead investor in Series A and beyond, UTEC provides a range of value-add activities, including advice on corporate strategy, operations, sales & marketing, and HR.



Algorithm to estimate rent of individual office building

Real estate integrated database on a map

ELEMENTS, Inc.

R&D of products and services to make daily life more comfortable through information analysis using computer vision x IoT sensors

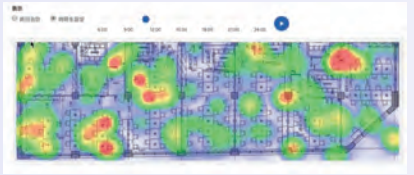
Q1 Founder Yasuhiro Kuda graduated from Keio University School of Law with a specialization in statistical mathematics. He then started technology development with appraisal techniques and computer vision in forensic statistics. ELEMENTS has a research collaboration with Aoki lab at Keio University.

Q2 Biometric authentication index, high-speed biometrics search by deep learning and unique authentication systems

Q3 UTEC supports ELEMENTS in recruitment, business planning, sales strategies, finance, and customer introduction. In addition, UTEC actively connects ELEMENTS with large corporations and government agencies.

AI engine focusing on 3D scanning service for human body shape data

eKYC with biometric authentication cloud



Platform to connect individual and city leveraging image recognition and sensing technologies

Money Design Co., Ltd

Democratize financial services with the power of technology and create new relationships between people and money

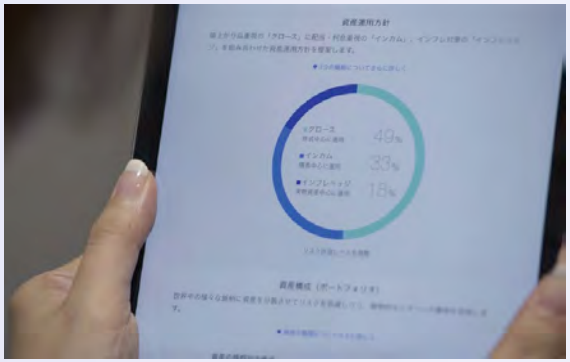
お金のデザイン

Q1 Holding all assets in Japanese Yen is no longer an optimal asset management strategy, given the increasingly volatile JPY against a macroeconomic backdrop of USD-JPY exchange rate fluctuations and inflation. Theo's asset management engine, which was developed in collaboration with Prof. Kato Yasuyuki of Kyoto University, can be used to provide tailor-made global diversification investment algorithms to retail investors. These algorithms are on par with those used by high-end asset managers.

Q2 A strong, well-rounded core team comprising members from the academia, investment management, financial industry and internet service industry.

Q3 UTEC provides support to Money Design such as strengthening creditworthiness of the company's investment management policies, and advising on governance development and IPOs.

THEO service homepage



231 (tried and trusted) highly customized private asset management plans for everyone

OPALai Pte. Ltd.

AI-driven digital financial products focused on Commodities and FX markets for Pricing, Hedging and Trading.

Q1

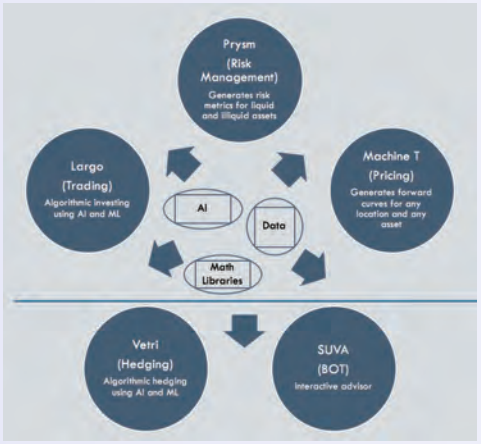
OPALai was started in June 2017 by Pravin Chandrasekaran, a Harvard alumnus, who has two decades of experience in commodities derivates across seven countries in Deutsche Bank, Citigroup, Rabobank and ADM. OPALai was set up in Singapore with the help of a S$1M non-dilutive grant by EDB (Economic Development Board).

Q2

OPALai uses an ensemble of statistical Machine Learning and Deep Learning techniques by analyzing over 400-500 features for pricing commodities. The company incorporate asset pricing techniques that have been historically used to only model equities such as Continuous-Time Finance (CTF) and apply those principles to model commodities. OPALai has over 10 global clients spread across geographies, spanning sectors such as Energy/Power, Metals and Agriculture.

Q3

As the sole institutional investor in OPALai's seed round, UTEC supports the company to build their footprint in Japan by facilitating recruitment of Japan-based professionals, client partnerships with trading, financial and manufacturing corporations, and research collaborations with Japanese academia.



OPALai's Product Offerings for Pricing, Hedging and Trading

OPALai's Product Performance (for Illustration purpose)

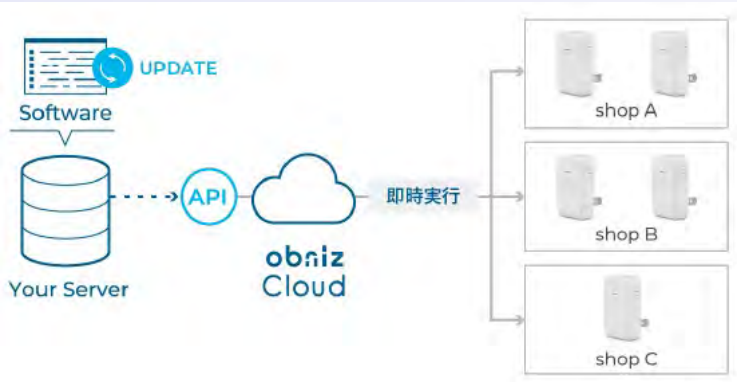
obniz Inc.

Make Everything Online

Q1 Conventionally, IoT using microcontroller boards have faced various hurdles, such as the need to build a development environment, special development languages, and knowledge of hardware as well as software. obniz Inc. was incorporated to realize a world where anyone can freely create IoT electronics.

Q2 Proprietary, firmware-less technology integrates firmware and program on cloud, which enables to add and upgrade IoT hardware and programs immediately without rewriting the firmware.

Q3 UTEC provides advice on finance and sales strategy, support for recruitment, introduction of corporate customers, support for legal affairs, etc.



Multiple edges devices can be controlled and cooperated by a single program

obniz, realizing remote monitoring/management at construction sites

Obviously AI, Inc.

Empower Non-technical business professionals to perform end-to-end Machine Learning using a No-Code Platform

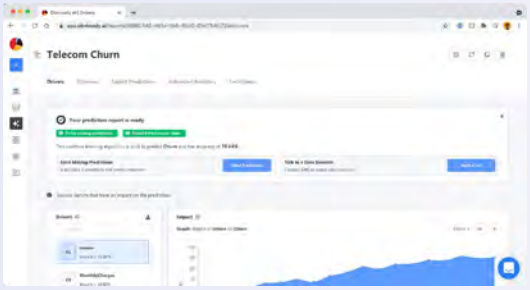
Q1 Co-founders Nirman and Tapojit were classmates at Hampshire College in Boston where they obtained their Bachelor's degrees in Computer Science. CEO Nirman comes with entrepreneurial experience, having sold his previous startup to Intel. CTO Tapojit was formerly an AI/ML researcher at MIT. Obviously AI has a team of 10 people based in San Francisco Bay Area.

Q2 The company built a proprietary technology called "Edge-sharp AutoML" that enables building & training of ML models with superior performance in under a minute. The product is tailored to the needs of analysts and BI professionals via a complete end-to-end no-code user experience combined with seamless workflow integrations to cloud services and databases.

Q3 Support for Obviously AI's expansion into Japan/APAC by facilitating client and Go-to-market partnerships. Additionally, UTEC also offers hands-on support to the company in recruiting, product strategy and growth strategy.

obviously.ai

Obviously AI co-founders Nirman and Tapojit – Immigrants from India and Bangladesh living in the US



Prediction report built from uploaded data using AutoML technology

Visualization of model performance with Explainable AI

Capex, Inc.

Virtual humans who are close to humans

Q1 CEO Shuntaro Kogame, who served as COO at bitFlyer, started the company with the aim of solving social issues using new technologies such as VR/AR and natural language processing.

Q2 From the UI/UX of avatars to a dialogue engine with a unique algorithm based on emotional data, Capex aims to design a total interaction experience that enhances the closeness to humans.

Q3 Lead investment from seed round, advice on general management strategy, recruitment support, product feedback and B2B expansion support

PATONA was launched for iOS and Android. Using the direct interaction with users as a starting point, Capex brushed up the interactive experience and expanded it to virtual humans

ConciergeU Inc.

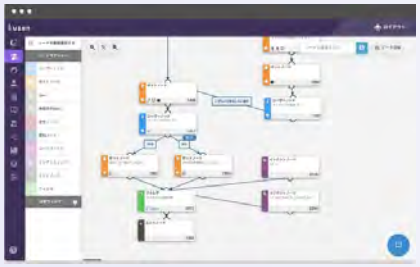
Changing the World by Automating Chat

Q1 Based on experience at the University of Tokyo's "Entrepreneur Dojo," investment funds and IT consultancy, Shogo Ota and Kota Shirakura, both graduates from the University of Tokyo, founded the company with the determination to create a globally active startup in the IT field from Japan, seizing the timing of the change in communication tools, chat in particular.

Q2 Strengths of ConciergeU include: a track record of over 150 large corporation deployments; the only chatbot tool that provides a wide variety of functions required by enterprise customers with no code; a patented proprietary scenario creation algorithm; the ability to build a variety of dialogue interfaces to suit customer needs; and the flexibility to integrate with external systems.

Q3 Advice on finance strategy and IPO preparation, recruitment support and organization building

The "kuzen" editor screen. No code is needed to build a chatbot quickly



Conceptual diagram of "kuzen" Integration Hub, which enables a variety of dialogue interfaces and linkage with SaaS

Image of an end-user using the chatbot

SEAOS, Inc.

IoT, robotic, and SaaS solutions for logistics, based on proprietary algorithms.

Q1 SEAOS' founder, Akira Matsushima, founded the company to realize a society where humans and AI/robots can work together, by leveraging his insight into logistics analysis and design through his experience in global logistics task force during his time at a global IT consulting firm.

Q2 The SEAOS team has a thorough understanding of the technologies, the functional requirements, and the market acceptance in order to solve problems in logistics IT. The company has handled logistics management from the strategic layer to the on-site contracting in multiple industries such as healthcare, retail, and manufacturing.

Q3 Assistance with fundraising, governance, and capital/business alliances

Autonomous load carrier vehicle

WMS

Delivery management platform

JDSC Co. Ltd.

Leveraging data science to create positive impact on profit margins.

Q1

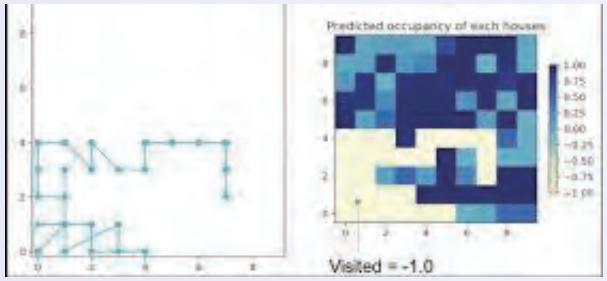
Satoshi Eltes Kato founded the incorporated association, a precursor of JDSC, in 2014 after realizing at P&G and McKinsey that data utilization can fundamentally change corporate processes and social structures. As the association's business expanded, it was turned into a joint-stock corporation.

Q2

JDSC is capable of bridging the company's practical business and the knowledge of academia, by leveraging knowledge relating to IoT/data utilization from Koshitsuka Laboratory at The University of Tokyo's III/GSII, and that relating to AI/Blockchain from Tanaka Laboratory at the University of Tokyo's Department of Systems Innovation. Many graduate student engineers are also on the team.

Q3

UTEC supports JDSC with its business model development, strategy formulation, management hiring, introduction of the University of Tokyo academics, operational excellence and finance.



Optimize delivery route by predicting home absence

Automate picture reading and processing

Startbahn, Inc.

The realization of a society where art is democratized and familiarized as property and culture.

Q1

Taihei Shii, a contemporary artist and a graduate of the University of Tokyo's Graduate School of Interdisciplinary Information Studies was concerned about the lack of technological infrastructure in the art industry, despite the dynamism of technological innovation and social change in other fields. This became his motivation to found Startbahn with the aim of bridging the gap between technology and art.

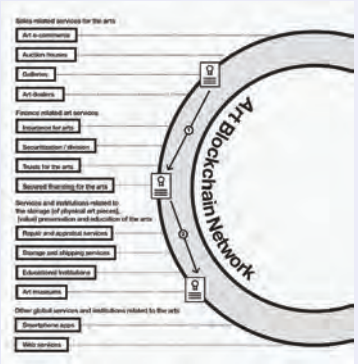
Q2

Startbahn has acquired relevant patents in Japan and the US. While the Blockchain x Art field is blue-ocean from a competition standpoint, Startbahn has been recognized as a leading company in Art x Blockchain initiative as well as art-related NFT marketplaces in Japan and is well-positioned to propose innovative changes.

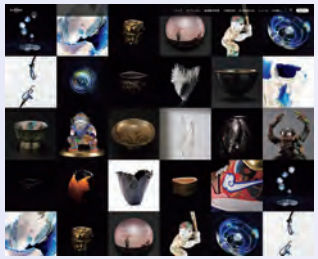
Startbahn has technical expertise in blockchain application design and development based on its continuous effort to develop and improve ABN.

Q3

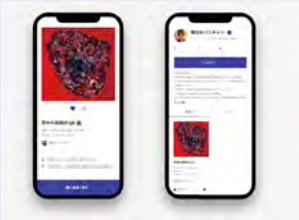
Beginning in the seed stage and continuing as a lead investor after Series A, UTEC has advised the company in fundraising, recruitment, capital and business alliances, and governance development.



"Art Blockchain Network (ABN),"developed by Startbahn, designed to be an infrastructure for art industry utilizing blockchain technology



Web service "B-OWND", developed jointly by Tanseisha and Startbahn, on which Japanese traditional craft works are sold with ABN blockchain certificates



Web service "startbahn.org", managed by Startbahn, on which artists and galleries sell their artworks and issue blockchain certificates online

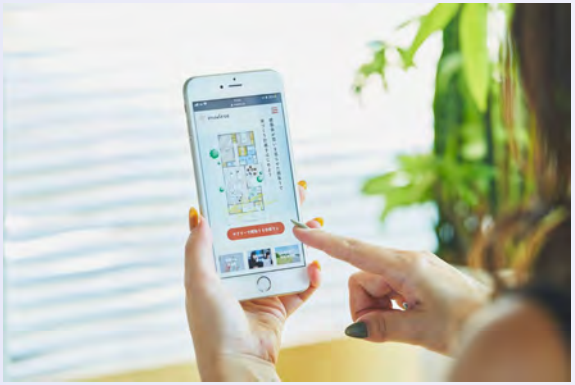
Studio Unbuilt Inc.

Architecture DX through High Quality Design

Q1 The two founders Keiji Morishita and Aya Morikawa who studied architecture at Nagoya Institute of Technology and then gained experience in the IT industry, cofounded Studio Unbuilt in 2016 with the aim of revolutionizing the architectural design industry using IT. The company launched "madree," a website that allows users to request floor plan designs via smartphone, to solve a pain in the custom-built housing area that was discovered while managing "Studio Unbuilt," their original crowdsourcing service specializing in architecture.

Q2 Passion and experience of the founding team in the architectural design industry, access to architectural experts through Japan's only crowdsourcing operation specializing in architecture, and continuous accumulation of design data through the madree's new business model

Q3 HR support, finance strategy, business development



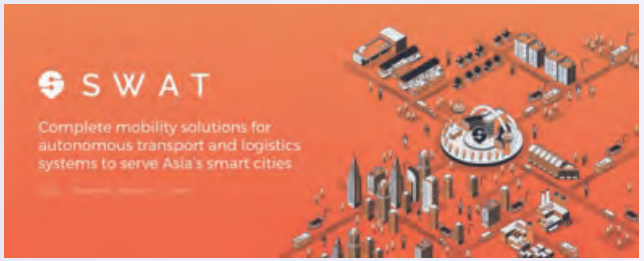
madree: a design-based house building platform

STUDIO UNBUILT: crowdsourcing services specializing in architecture

SWAT Mobility Pte. Ltd.

On-demand dynamic routing technology for high-capacity vehicles

Q1 SWAT was founded in 2015 in Singapore with the vision of moving smart nations with on-demand high-capacity vehicle pooling services that can reduce traffic congestions, improving travelling convenience for commuters, and optimizing resources for transportation systems.



Q2 Most vehicle-pooling players in the industry only offer either fixed-route shuttle services or dynamically-route services for smaller vehicles like cars. Unlike their competitors, SWAT goes a step further and offers dynamic routing of demand-responsive and high-capacity vehicles - using big data, machine learning and artificial intelligence.

Q3 UTEC provides holistic business strategy advice and support, ranging from financing, marketing, business partner matching and talent recruitment in Japan. UTEC is also tapping on our strong local networks to support SWAT's Japan market entry.

DATAFLUCT, Inc.

Democratization of Data Utilization with data handling and automated machine learning at its core

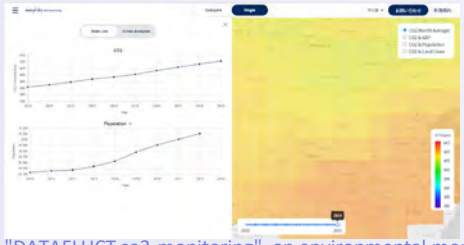
Q1 CEO Hayato Kumemura, who has been involved in launching more than 30 new businesses over the past 13 years in multiple companies such as Nikkei and Recruit and is also an invited staff member at the Japan Aerospace Exploration Agency (JAXA), founded the company in 2019 to specialize in new businesses using data science.

Q2 Linkage between geographic information and image analysis cultivated by JAXA, automatic machine learning technology to search for the optimal model without the need for the data scientist to be an expert, and a cloud development platform that enables the rapid launch of new applications.

Q3 Finance support as a lead investor in Series A and beyond, overall management strategy including productization, collaboration with academia, recruiting, preparation for IPO

The "DATAFLUCT smartcity series" is being developed with the theme of solving urban problems with data and realizing sustainable cities

"DATAFLUCT cloud terminal", a multi-cloud AutoML tool for building machine learning models with no code



"DATAFLUCT co2-monitoring", an environmental monitoring service that uses satellite data to visualize atmospheric carbon dioxide concentration and economic activity

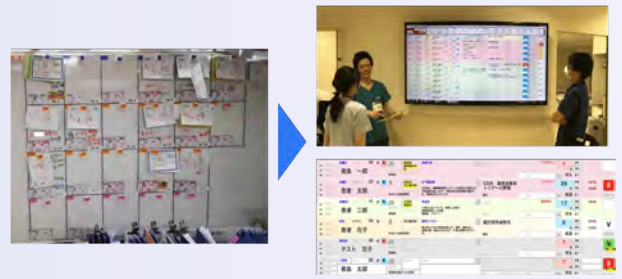
TXP Medical Co., Ltd.

Saving Lives with Medical Data

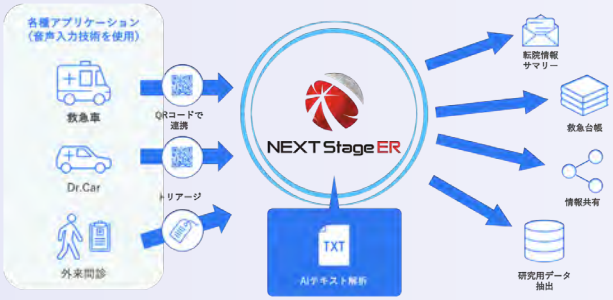
Q1 CEO Dr. Tomohiro Sonoo developed software on his own to solve the problems he faced in the field of emergency medicine at Hitachi General Hospital where he was an active emergency physician. In 2017, he started TXP Medical to expand the software to hospitals across Japan.

Q2 TXP Medical has competitive advantages in that it has a deep understanding of the needs of the medical field, strong networks of regional flagship hospitals across Japan, and a rigorous research team that continues to publish in national and international conferences and papers.

Q3 As a lead investor in Series A and beyond, UTEC supports TXP Medical in making strategies to increasing corporate value and in recruitment to form a strong team.



Transition from whiteboard-based system to NSER



NSER focuses on operational transformations of tertiary emergency centers

Integration of fragmented medical data around acute medical cares

Tier IV, Inc.

Providing fully autonomous self-driving platforms and services.

Q1

Tier IV was founded in December 2015 by Dr. Shinpei Kato, currently an associate professor at the Graduate School of Information Science and Technology at The University of Tokyo. Tier IV is developing a fully-autonomous self-driving platform based on their open source software "Autoware" which Dr. Kato created while he was at Nagoya University,

Q2

Tier IV provides fully autonomous self-driving platforms and services based on "AutoWare", an open-source software based on Linux and ROS. Tier IV's platform strategy involves offering optimized configuration of software and hardware necessary for each ODD (Operational Design Domain) as a Reference Design. In December 2017, Tier IV became the first company to deploy a Level 4 self-driving vehicle on Japan's public roads.

Q3

UTEC assists TierIV in building its management team, building capital and business alliances, etc.

Logiee_PV1

Milee_PV2

Minivan_PV3

Tellus You Care, Inc.

The vision of Tellus is to radically change and improve the standard of elder care.

Q1 The founders' personal elderly care experiences revealed a large opportunity in utilizing technology to improve the quality and efficiency of eldercare services.

Q2 The founders are alumni of Google, Apple, and Stanford University, with a strong will to create a solution using cutting-edge technologies.

Q3 Japan is one of the world's largest eldercare markets. UTEC assists Tellus in entering Japan, as their primary target market. Specifically, UTEC supports Tellus in its team building and business development activities.

Founders

Device

Dashboard

HashPort Inc.

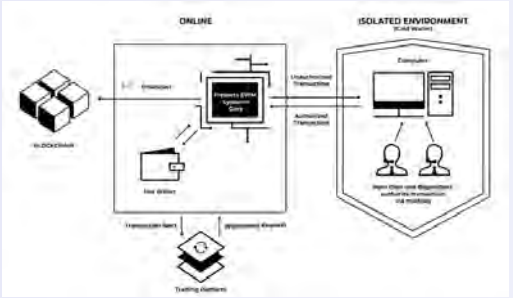
Innovating Japan with Blockchain Technology

Q1 Mr. Seihaku Yoshida was the youngest Venture Architect in the Tokyo office of BCG Digital Ventures, the digital business development arm of the Boston Consulting Group, and worked on projects in Japan and China. Mr. Yoshida started HashPort in July 2018 with the rise of blockchain technology.

Q2 Closing the first IEO (Initial Exchange Offering) in Japan in 2021, HashPort has the unmatched expertise in the field of "token" and the highest security level in its cryptocurrency wallet management system. HashPort has accumulated knowledge and technology by not only providing the original digital token "PaletteToken, PLT" as the NFT blockchain, but by engaging in many blockchain domain consulting, product development, and supporting blockchain projects overseas in Japan entry.

Q3 Support for managerial formation and corporate governance, CXO talent hiring, IPO preparation, etc.

HashPort



Cryptocurrency wallet management system for cryptocurrency exchange companies

Using cross-chain technology to drive global expansion of digital artwork originated in Japan

The NFT blockchain platform "Palette" that enables issue, management, and circulation of digital contents

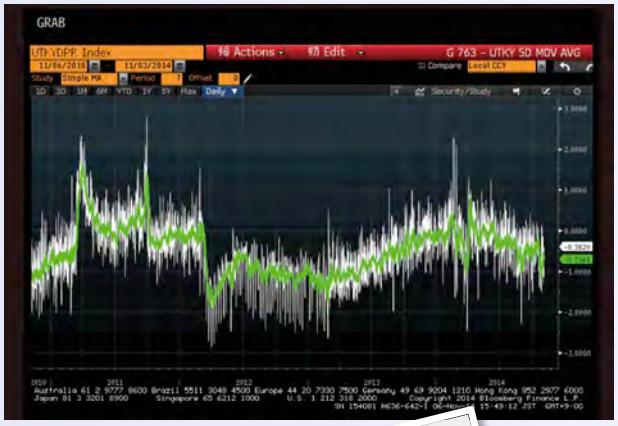
Finatext Holdings Ltd.

Reinvent "finance" as a "service" by developing Service/ Big data/ Platform

Q1 Finatext was established to develop and provide high-quality real-time information unlike any other pre-existing product or service, using big data analysis. Finatext's solutions were developed by utilizing the team's deep expertise in providing services for financial institutions and research outcomes achieved by Professor Watanabe of The University of Tokyo.

Q2 Based on deep knowledge and experience in finance, Finatext has the technological ability to rapidly analyze financial information and develop services in a user-friendly UI/UX. Finatext uses economic statistical analysis technology based on big data developed by Japan's top professionals working at the forefront of statistics and economics research at the Ministry of Internal Affairs and Communications, and the Bank of Japan.

Q3 UTEC provides overall hands-on support at both levels of management (such as business planning and governance) and operations including HR.



Nikkei CPI Now

President and CEO Ryota Hayashi
Co-founder Tsutomu Watanabe

PaylessGate Co., Ltd.

PaylessGate provides the ultimate personal authentication technology to the real world and make the world happy with a seamless experience.

Q1 Yasuhiko Adachi, Founding CEO, believed that the meaning of human life is to "create the next generation," and one of the most important things to leave to the next generation is a "seamless society." He founded the company to create a seamless society by solving real world personal authentication issues by way improving the accuracy of such authentication.

Q2 Authentication consists of three types of information: memory information, physical information, and biometric information. In the real world, however, there are issues such as the time required to confirm memory and remove objects, and the fact that a single leak of biometric information makes such authentication system unavailable for the person in question. Hence, PaylessGate has enabled hands-free authentication and settlement of all kinds of transactions with only a smartphone in a pocket or bag, based on its patented technologies for "high-speed, high-accuracy location measurement" and "settlement-level authentication."

Q3 Support for finance, hiring of senior management, R&D and sales personnel, establishment of business management structure, dispatch of UTEC's Venture Partners, etc.

PaylessGate
Create next generation

Retrieva, Inc.

Retrieva provides business automation solutions by leveraging state-of-the-art natural language processing technology.

レトリバ

Q1 The founders realized the potential applications of NLP, machine learning and deep learning in several enterprise use-cases. Formerly, the team was part of Preferred Infrastructure and then spun-out to become an independent company. Mr. Kazuya Kawahara, who was a manager in the Manufacturing Division of Preferred Infrastructure, and Mr. Jiro Nishitoba, an alumnus of The University of Tokyo Graduate School of Information Science and Technology, and four others founded the company.

Q2 Retrieva team has deep expertise in the fields of NLP, Machine Learning and Deep Learning. The team is also well-equipped in using the aforementioned technologies to solve the problems of enterprise customers and making the service user-friendly.

Q3 UTEC offers support in strategy development, governance, recruitment of top-notch talent, finance, customer introductions, pioneering partners, etc.

Answer Finder

VoC Analyzer

Locix Inc.

Locix's cloud-based solutions digitize physical spaces, providing unprecedented visibility and awareness to constantly changing environments, enabling streamlined decision-making, problem solving, and Artificial Intelligence solutions.

Q1 Locix was co-founded by a serial technology entrepreneur Vik Pavate, and Professors Vivek Subramanian and Elad Alon from the University of California Berkeley, who developed revolutionary wireless sensor technology.

Q2 Locix provides high-performance, highly flexible low-cost wireless sensor products by using their unique platform technology that makes full use of ultra-low power consumption technology, wireless technology, advanced sensor technology, power transmission technology, and data science.

Q3 UTEC has been involved with Locix since its inception and has led the financing rounds in its Series A and beyond. UTEC has provided support in the development of business and financing strategies and assisting in capital and business alliances, including those with Japanese companies.

LOCIX Wireless Camera Product

ROMS, Inc.

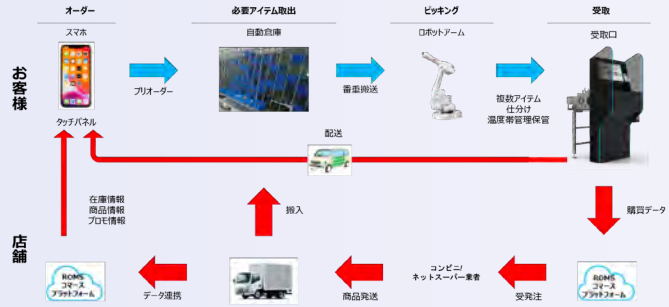
ROBOTICS OMNI SOLUTIONS
: Robotics solutions for omni channels and supply chains.

Q1 In cooperation with UTEC and through its introduction, two Polish nationals and Yosuke Maeno, a Japanese professional formerly at Mitsui, co-founded ROMS in June 2019 with the aim to solve social issues by providing solutions for unmanned and automated retail and retail supply chains, and establishing its headquarters in Japan.

Q2 ROMS adopts an issue-driven approach with a global perspective through the combination of over 10 years of automation, integration, and robotics experience, and operation, business development, and retail experience of the Japanese team.

Q3 UTEC has been involved since the company's inception and has assisted in Series A financing and beyond, business strategy development, governance, executive management recruitment, etc.

ROMS
Robotics OMni Solutions



Robotic unmanned store and dark store solutions developed by ROMS

A demonstration store in Tokyo using the ROMS unmanned store solution

WASSHA Inc.

Delivering electrical power to people in off-grid areas.

Q1 CEO Satoshi Akita selected Africa as the starting region for the business based on the potential of the electrification market, its social significance, and regulatory considerations. Digital Grid Solutions (the company's former name) was co-founded in April 2013 by Akita and Dr. Rikiya Abe, a professor at the University of Tokyo (at the time). The company was renamed to WASSHA in December 2017.

Q2 WASSHA collected a detailed landscape of data on consumer coverage and consumption trends of millions of people in Africa by partnering with kiosks in rural areas. The management is based in Tanzania, in close operational proximity to the local communities, and leverages collaborations with Japanese corporations to deliver value

Q3 As a lead investor since the company's inception, UTEC has provided a variety of support in finance, business planning, executive recruitment, organization building, legal risk handling, and IPO preparation.

Power to the people

Kiosk image in Tanzania

Algal Bio Co., Ltd.

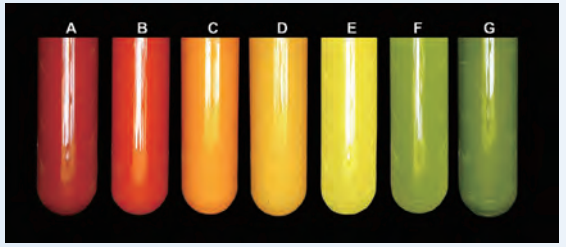
Unlocking algae's potential for a better future

Q1 Based on the results of over 20 years of algae biotechnology research by Professor Emeritus Shigeyuki Kono of the University of Tokyo, Dr. Takeshi Takeshita, who received his PhD in Kono's Lab, founded the company in March 2018 to start a business to mass cultivate microalgae while efficiently producing functional ingredients, upon the closure of that lab.

Q2 The company has unique algae strains with strong Intellectual Property in the fields of strain screening, cultivation, and production of functional ingredients.

Q3 Prior to Algal Bio's incorporation, UTEC donated endowments to the University to sustain the laboratory until commercialization. UTEC then financed Algal Bio up until Series A and beyond as a lead investor from its seed stage, and has provided support in the formulation of business strategies, hiring of senior management, and assistance in finance, etc.

algal bio



Algal Bio's proprietary techniques enables the company to produce "Nanairo Chlorella" ("Seven-Colored Chlorella") which changes color corresponding to the carotenoids and long-chain fatty acids present

A typical algal body (left)
A super oil-producing algal body (right)

Mass-cultivation using a thin-layer light bioreactor

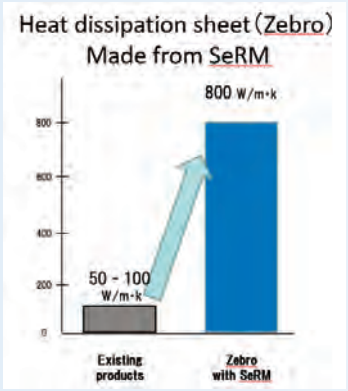
ASM, Inc.

Deliver Slide-Ring Material (SeRM), the world's first commercialized material that enables molecular topology, a concept that won the Nobel Prize in Chemistry in 2016

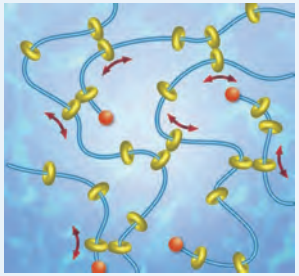
Q1 Invented at The University of Tokyo's Kohzo Ito Lab, "SeRM" is a platform technology that can revolutionize the world of polymers. ASM founders, including Prof. Ito, and UTEC grasped the potential practical applications of this supermolecule. The company was thus formed to meet the growing interests in SeRM from the material industry.

Q2 Today, ASM is the world's sole manufacturer of commercialized supermolecule that enables molecular topology. The company possesses exclusive licenses to the related patents from the University of Tokyo. ASM added various novel functions to polymers, such as toughness, impact resistance, extensibility, and resilience, to enable existing polymers to achieve radical strengthening, and excellent haptics, shape restorability, vibration absorption and heat radiation performance.

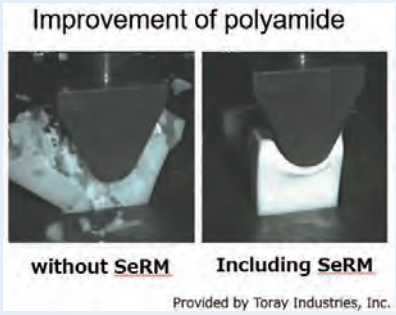
Q3 UTEC has been involved in ASM's business planning process from the preparatory stage of the company's establishment. UTEC has also playing a lead investor role by providing ASM with financial support, management team building, and advice on management issues such as capital/business alliances.



Developed a heat dissipation sheet



SeRM structure



Polyamide modification

Exergy Power Systems, Inc.

Exergy Power Systems provides flexibility services which enables the adjustment off sudden fluctuations that occur when transitioning renewable energy between the US and EU regions.

Q1 Exergy, a startup from Atsushi Tsutsumi's Lab at the University of Tokyo's Institute of Industrial Science, that develops next-generation energy-saving batteries, was founded with UTEC's support.

Q2 Exergy's business model is to provide flexibility service for Transmission System Operators (TSO) by installing and operating low capacity/high power battery energy storage systems and combining them with various distributed energy resources. Exergy's business development is focused on the European market where its main strengths lie.

Q3 UTEC has backed Exergy since the seed stage with financial support, business development, and negotiations with business partners, etc.

Exergy's 1MW battery energy storage system, installed at the E.ON Energy Research Center of RWTH Aachen University, Germany

Enterasense Limited

Improving patient outcomes through rapid and accurate detection and monitoring of Upper Gastrointestinal Bleeding (UGIB).

Q1

Realizing the need to solve issues related to UGIB detection (necessity to use endoscopes, long wait times, significant related costs); Harvard Medical School Professor of Enterology Professor Chris C Thompson and serial medical device entrepreneur Donal Devery joined hands to found EnteraSense in Galway, Ireland in 2015.

Q2

-PillSense ability to diagnose UGIB within 15 minutes accurately and non invasively (current endoscopic methods incur wait times of ~27 hours in the US).

-Strong and experienced team who can execute product development and commercialization.

Q3

Support of collaborations with global optical device companies, electronic medical device companies based in Japan.

Support of market entry and commercialization in Japan.

EnteraSense's diagnostic device the "PillSense"

The EnteraSense team

Research Institute for Computational Science Co., Ltd.

科学計算総合研究所
Research Institute for Computational Science Co. Ltd.

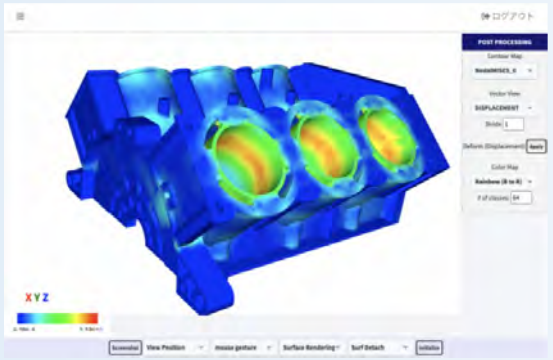
Solving Product Design Challenges with AI and Simulation Technologies

Q1 RICOS was incorporated by Founding CEO Yu Ihara, based on the results of his doctoral research at the University of Tokyo's Graduate School of Frontier Sciences on 3D simulation (CAE) as a substitute for physical testing, after exploratory projects supported by IPA (Information-technology Promotion Agency, Japan).

Q2 Original Graph Neural Network algorithms that enable ultra fast calculation for physical phenomena, with patents granted / filed internationally.

Q3 Business development, management team building, and governance as a lead investor.

Highly accurate GNN algorithms catering to various types of physical simulations



Simulation tool utilizing GNN running on a browser

Green Earth Institute Co., Ltd.

Using Corynebacterium to solve the energy crisis, food crisis, and climate change.

Q1 GEI was established in September 2011, as Japan's first public foundation spin-off, in order to make practical use of innovative biorefinery technology using the Corynebacterium which was developed by Research Institute of Innovative Technology for the Earth (RITE).

Q2 Traditional fermentation process requires biomass. However, GEI can produce bio-fuels and green chemicals at low cost from non-edible biomass such as stems, leaves, and debris. Furthermore, by leveraging a wide range of domestic and overseas networks that have been created through their business activities so far, GEI has established a brand new platform for the bio-refinery industry.

Q3 UTEC has been supporting GEI since the pre-conception stage and continued to offer hands-on support on a variety of management, business and capital issues, up until its IPO that was achieved in December 2021.

Using Coryneform bacteria to produce biofuels and green chemicals.

Non-edible biomass such as barks, stems, leaves being used as raw materials.

A development base for the global expansion of "Green Earth Research Center"

SUN METALON Inc.

Making all product ideas tangible everywhere

Q1

Kazuhiko Nishioka and Koji Kageyama, who were at Nippon Steel at the time, conceived of their own metal 3D printing technology using their microwave-based steelmaking method, which had never existed in the market before, and after conducting experiments at a campsite, they founded Sun Metalon in February 2021. Their vision is "By enabling local production and local consumption of metal parts, we dramatically expand the possibilities for human beings in space."

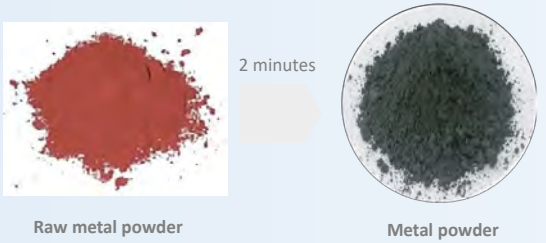
Q2

- Innovative metal 3d printing (ultra-fast, ultra-cheap, ultra-huge) method based on original technology and its patent.
- Founding team of top engineers with extensive experience in industry and academia, supported by a strong scientific advisory board (MIT, Oxford, The University of Tokyo)

Q3

- Effective management support, based on a wealth of experience and success in the deep tech startups.
- Support for hiring executive personnel and introduction of various expert personnel (marketing, intellectual property strategy, etc.)

Original metal 3d-printing technology
(Ultra-fast, cheap and huge)



In-situ production of metal powder
from raw metal powder (CO2-free)

NExT-e Solutions Inc.

NExT-eS contributes to the accelerated spread of e-mobility and the widespread adoption of renewable energy by their development of original advanced battery control technologies

Q1 Through UTEC's EIR (Entrepreneur in Residence) Program, an incubation program sponsored by UTEC, the founding team developed its business plan and first prototype BMS (Battery Management System) through NEDO's grant program. Then, NExT-eS was incorporated in May 2008 with UTEC's seed investment and the team was built.

Q2 NExT-eS provides battery rental services to customers in both E-mobility and Energy Storage fields through their advanced IoT and AI-driven battery reuse business model.

Q3 UTEC has been NExT-e's close partner since the company's inception, providing management and operational support. In addition to providing financial support, UTEC has been quick to identify global mega-trends and provide guidance for the company in the creation of innovative business models and capital and business alliances that leverage its strengths.

Core-device
(Made in-house)

Case of Energy Storage
(Utilization of E-bus battery)

Battery Life Cycle Management

Nelumbo, Inc.

Materials innovation to enable the best products in energy, environment, and entertainment.

Q1

Nelumbo was founded by UC Berkeley engineers with a lifelong desire to see broad adoption and acceptance of materials science as a new path for delivering value to the world. The main product suite today targets longstanding frost and corrosion challenges with heat exchangers in Air Conditioners to deliver a bold move in a market that impacts billions of people and has decades of opportunity.

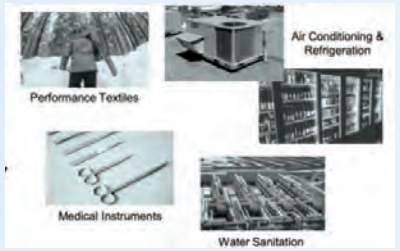
Q2

- Unique, innovative platform technology in material science
- Business model that allows customers and Nelumbo to share the benefit of superior technology and manufacturing
- Excellent team

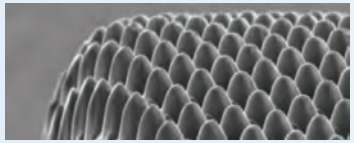
Q3

The beachhead market for the technology platform is Heating Ventilation Air Conditioning and Refrigeration (HVAC-R). Four Japanese companies are ranked in the top 10 manufacturers of HVAC-R, and in terms of customer market, Japan is ranked the second after China. UTEC has provided support in building business alliances and exploring potential M&A partners especially Japan.

Cofounders Dave Walther, Ph.D., Liam Berryman, and Lance Brockway, Ph.D.



Applicable industries



Artistic Example

BionicM Inc.

Powering Mobility for All.

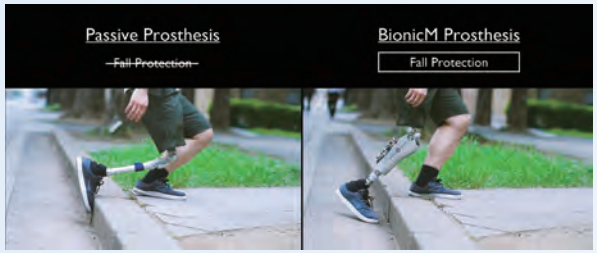
Q1 Founder Sun Xiaojun, himself a prosthetic leg user, started BionicM in December 2018 based on his engineering experience at Sony and doctoral research at Masayuki Inaba's Lab at Graduate School of Information Science and Technology, The University of Tokyo, which is renowned for its robotics research. For three years prior to the incorporation, Sun and UTEC conducted R&D through the START Program by JST (the Japan Science and Technology Agency).

Q2 Based on his advanced research in humanoid robotics at The University of Tokyo, BionicM's founder Sun, Ph.D. in Information Science and Technology, created a highly efficient powered bionic prosthetic.

Q3 As a lead investor since the seed stage, UTEC supports BionicM in its team building, business development, fundraising and governance.

Robotic Prosthesis

Founder at SXSW award



Safety Features

Vegetalia, Inc.

Next-generation food and agricultural business for a sustainable environment and a healthy society.

Q1 Founder Satoshi Koike started farming after completing the Executive Management Program (EMP) at the University of Tokyo, and then discussed food, agriculture, health, and the environment with people involved in the EMP such as lecturers, graduates and experts from various fields, whose combined knowledge and expertise lead to the founding of Vegetalia in October 2010.

Q2 Vegetalia Group's products -Paddy Watch and Field Server- allow farmers to monitor and manage their plants and agricultural lands by using sensors and ICT. The group also develops and delivers a cloud-based agriculture supporting system named Agri Note and plant pathology related services. The company's executive team have prior experience in start ups which were listed on the Tokyo Stock Exchange.

Q3 UTEC has supported Vegetalia by opening doors to research collaborations with universities, connections to government bodies, and providing advice on capital/business alliances.

vegetalia
Vegetat on Science & Technology

Corporate firm (CEO Koike)

Paddy field sensor "Paddy Watch"

Microwave Chemical Co., Ltd.

Revolutionize Chemical Industry by using a Novel Microwave Chemical Platform Technology.

Q1 Associate Professor Tsukahara of Osaka University had always aspired to expand innovative technology to the world from Japan. His strong drive to apply his technology to form a Japanese startup that contributes to the environment through efficient chemical processes led to the co-founding of Microwave Chemical with founding CEO Iwao Yoshino, formerly at Mitsui, in August 2007. Mr. Tsukahara is now CSO of the company.

Q2 Microwave Chemical's stellar team comprises various experts such as researchers and engineers in the fields of chemistry and physics. This team has developed a proprietary platform utilizing microwave technology.

Q3 As a lead investor in the early stage, UTEC invested solely in 2011 for the construction of a pilot facility. While most venture capitalists and financial institutions were reluctant to deal with the idea of a venture company building a plant by itself, UTEC was able to help build the world's first microwave chemical plant with its evaluation capabilities of technology and business potential. After the investment, UTEC continued to support the company in raising funds up to Series C, establishing governance, developing business partners in Japan and overseas, recruiting human resources, and preparing for an IPO.

World's first commercial-scale microwave chemical plant(3200 t/yr)

The second commercial-scale microwave chemical plant
(Built in partner's site)

Ubifly Technologies Pvt. Ltd. (ePlane)

Revolutionizing Urban Air Mobility (UAM) by manufacturing eVTOL (electric-Vertical Takeoff & Landing) aircrafts for Cargo & Passenger Transport

Q1

ePlane was founded in 2019 in Chennai (India) as a spin-off from IIT Madras, one of Asia's foremost technical universities. Scientific co-founder Dr. Satya Chakravarthy is a Professor & Head of Aerospace Engineering at IIT-Madras with a PhD from Georgia Institute of Technology. Dr. Chakravarthy also offered the world's first electric aircraft course and established The National Centre for Combustion at IIT-Madras.

Q2

ePlane is the first company in the world to achieve "Aerodynamic Synergy" - resulting in Super Circulation around the aircraft wing due to the wing-rotor interaction. The end-goal of the company is to build e200 (200kg) aircrafts for passenger & cargo transport, with the potential to be a market leader of eVTOLs in emerging markets

Q3

UTEC provides the company with global perspectives on product strategy, manufacturing scale-up, business development and fundraising. In addition, UTEC also supports ePlane's plans to collaborate with Japanese manufacturing companies and battery makers

THE ePLANE CO.

Mockup of ePlane's e200 – 200kg eVTOL aircraft

The ePlane team at IIT-Madras

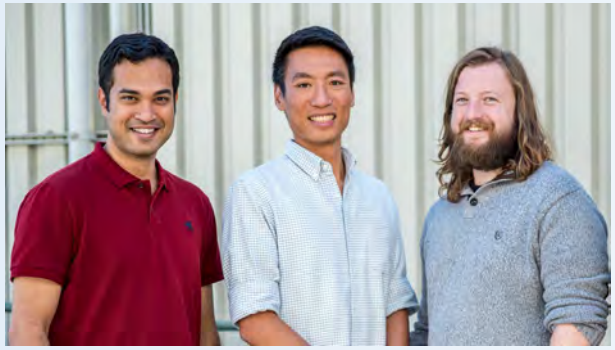
Liminal Insights Inc.

Accelerating the transition to electric mobility by transforming battery manufacturing with data analytics.

Q1 Liminal was founded in 2015 by top technologists from Princeton University and fellows in the Activate entrepreneurial fellowship program, partnered with Lawrence Berkeley National Laboratory's Cyclotron Road Division. Liminal CEO Andrew Hsieh, the co-inventor of the underlying technology, is an Activate Entrepreneurial Fellow and holds a Ph.D. in Chemical & Materials Engineering from Princeton and B.S. in Chemical and Biomolecular Engineering from UCLA. Liminal's other Co-Founders are CIO, Barry Van Tassell (Ph.D. in Chemical Engineering from CCNY) and CTO, Shaurjo Biswas (Ph.D. in Materials Science and Engineering from University of Michigan).

Q2 Liminal's proprietary technology leverages ultrasound and machine learning analytics for advanced battery inspection throughout manufacturing stages. The non-destructive ultrasonic inspection provides a detailed look inside battery cells, offering a better understanding of their physical integrity during the production process.

Q3 UTEC provides Liminal with global perspectives to support business alliances and business development in Asia and Japan in particular. Japanese companies have always been at the leading-edge in both lithium-ion batteries and electric mobility. This will continue to be true as the industries continue to evolve.



Cofounders
Shaurjo Biswas, Ph.D. (CTO), Andrew Hsieh, Ph.D. (CEO), Barry Van Tassell, Ph.D. (CIO)

Yield Management System

Amadeus V Technology Fund LP

A leading deep tech venture capital fund in the UK and Europe

Q1 Founded in 1997 by Anne Glover and Hermann Hauser to support the growth of British and European technology ventures into the world stage.

Q2 The management team consists of CEO Anne Glover, former Chairman of the British Private Equity & Venture Capital Association (BVCA), and Dr. Hermann Hauser FRS, along with partners with a proven track record of investing in the IT, Life Science and Engineering fields. Amadeus Capital Partners has a strong relationship with leading universities in the UK and EU such as Cambridge and Oxford as well as a wide network of venture capitals and corporates.

Q3 UTEC aims to build a strong partnership with Amadeus, one of the largest deep tech VCs in Europe through investments and supporting activities together towards start-ups which have a synergy to Japan. UTEC and Amadeus Capital Partners will work together in the "AUGMENT" – Amadeus UTEC Global Market Expansion of Novel Technologies partnership to accelerate the globalization of technological and scientific start-ups from the UK, Europe, and Japan through the respective academic and industrial network, deep knowledge of cutting-edge science and technology, and access to local markets.

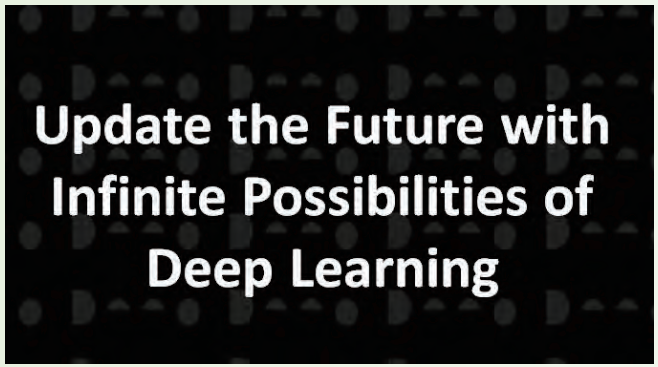
Deep30 Limited Partnership

Updating the future together through the unlimited possibilities of deep learning

Q1 Since coordination with hardware is so important for AI technologies, early-stage investment necessitates a higher risk than conventional investment for internet businesses. To enable this, an investor that can see the potential of realizing AI technologies, such as deep learning, is required.

Q2 While acting as a bridge for industry-academia partnerships, Deep30 provides technological advice for societal implementation and back office support. It establishes integrated support structure that provides research development in the field of AI and, training for engineers.

Q3 Guidance related to knowledge of business, legal, and financial affairs. required to establish and operate a VC fund. Introduction of potential customers and allies to the invested companies and follow-up funding.



Blume Ventures – Fund III

Blume is India's largest homegrown and most active tech-focused early-stage VC firm with an AUM of over $200M.

Q1

Founded in 2010 by Karthik Reddy and Sanjay Nath, Blume raised its first fund of $20M in 2011, which was supplemented with an Opportunity Fund. It subsequently raised a $60M Fund II in 2015, a $41M Fund IIA Opportunity Fund and a $102M Fund III in 2018.

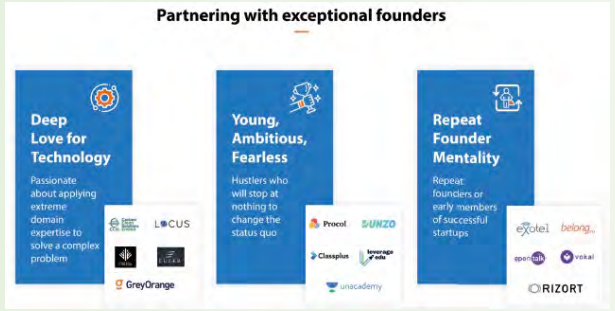
Q2

Blume has spurred the emergence of tech startup ecosystem in India by investing in GreyOrange, Tricog, Locus, Carbon Clean Solutions, and many more innovation-heavy startups. Blume is also the pioneer of Platform approach in India with Constellation Blu (Advisory Services), Passion Connect (Hiring), Draper Venture Network (Cross-border support), Arka (Indo-US B2B tech). Some of the key exits from Blume's portfolio include Taxiforsure (acquired by Olacabs), Zipdial (acquired by Twitter), Minjar (acquired by Nutanix) and E2E (partial exit with IPO listing on NSE Emerge).

Q3

UTEC is Blume's largest LP from Japan and has partnered with Blume to launch an initiative called BUDHA (Blume UTEC Deep-tecH Accelerator) to invest in Indian startups working on deep science and technology, and empower them to emerge as winners in global markets. BUDHA portfolio includes startups such as TartanSense (Precision robotics for small farm holders), Ethereal Machines (5-axis additive and subtractive printing), Euler Motors (EV for last mile logistics), Agara Labs (conversational AI for customer support automation) and RayIoT (contactless monitoring of body's vital functions)

Blume Day 2020



Partnering with Exceptional Founders

TEAM

Support from professionals with diverse backgrounds

Investment Professional

Tomotaka Goji

Managing Partner
CEO and President

Supervises fund management and startup investments

- Tomotaka (“Tommy”) Goji is Co-founder, Managing Partner, President & Representative Director of UTEC. Since the inception of UTEC in 2004, he has built the UTEC team, raised and managed five funds totaling over JPY 84 billion (Approx. USD 780 million), and guided investments, value-up and exits of science & technology-based startups. 17 of UTEC portfolio companies went public and 13 were acquired.
- These UTEC funds are established on the premise of the Japanese law called "The Limited Partnership Act for Investment" that he authored to enact in 1998 at the then Ministry of International Trade and Industry (MITI, now known as METI: the Ministry of Economy, Trade and Industry) and became the foundation for Japanese venture capital funds thereafter.
- Tommy has recently performed research in data science to presume the success of scientific startups and analyze its factors.

Tommy cofounded UTEC in April 2004, after his duties in the Japanese government since April 1996, at METI, the Cultural Agency and the Financial Services Agency. He is currently Managing Director of the Japan Venture Capital Association. Tommy graduated from the University of Tokyo’s Faculty of Law, earned his MBA at Stanford University, and received his Ph.D. in data science at the University of Tokyo’s School of Engineering.

Noriaki Sakamoto

Partner/Managing Director
COO and Board Director

IT/AI, Healthcare, Finance

- At METI, Nori Sakamoto was engaged in developing the acts for SME finance and home appliance recycling. After leaving METI, he joined his family busi-ness in apparel logistics, establishing and organizing businesses.
- At McKinsey & Company, he worked on projects for pharma, medical devices, auto, high-tech, consumer goods and retail companies in Japan, Southeast Asia, and Europe, support-ing Marketing & Sales, Supply Chain Management, R&D and M&A strategy for 4+ years.
- Noriaki served as a board member auditor in ACSL (listed in the TSE Mothers in December 2018) and a board member in Neural Pocket (listed in the TSE Mothers in August 2020). JDSC Co., Ltd.(listed in the TSE Mothers in December 2021), Finatext Holdings Ltd.(listed in the TSE Mothers in December 2021), and Institution for a Global Society Corporation(listed in the TSE Mothers in December 2021).

Noriaki graduated from the Faculty of Economy of the University of Tokyo and entered METI. He left METI in 2008 and was appointed vice president of a logistics company. He then earned an MBA from Columbia University. He was an engagement manager at McKinsey & Company and then joined UTEC in August 2014.

Atsushi Usami

Partner
& Board Director

Life Science & Healthcare

- Atsushi Usami focuses on seed/early-stage life science investments. He currently serves on the boards of Goryo Chemical Inc., EditForce Inc., Epigeneron Inc., Bugworks Research inc., bitBiome Inc., OriCiro Genomics, Inc., Celaid Therapeutics Inc., PURMX Therapeutics Co., Ltd., United Immunity, Co., Ltd., RegCell Co., Ltd. and others. He provides support for Life Science Innovation Network Japan (LINK-J).
- Before joining UTEC, he worked as a strategy consultant at Mitsubishi Research Institute (MRI), serving pharmaceutical, medical device and other manufacturing companies across a range of areas including mid-to-long term management planning and new business development.

Atsushi Usami studied pharmacology and neuroscience. He received a Ph.D. in pharmaceutical sciences from the University of Tokyo and is a pharmacist. He worked as a consultant at MRI before joining UTEC in October 2013.

TEAM

Support from professionals with diverse backgrounds

Investment Professional


Keisuke Ide

Keisuke Ide

Partner

IT, Physical Science & Engineering

- Keis Ide focuses on deep tech in IT and Physical Science. He spent 15 years in the US, half of which in Silicon Valley, as an engineer and management consultant.
- He currently sits on the boards of Liminal Insights, Tellus You Care, Inc., Nelumbo Inc, and a few others. He was the lead investor and served as board director for AI inside (IPO), GLM Inc. (M&A), IID (IPO), and played an instrumental role for Phyzios' M&A exit to Google Inc.
- He was awarded Forbes Japan Midas List (2017, 2020), Japan Venture Award (2021).

He started his career in Silicon Valley as an engineer at KLA-Tencor Corp. in San Jose. He then joined The McKenna Group, as a consultant in technology marketing. After returning to Tokyo, he served as a director in a startup company designing ASICs, before joining Globis Capital Partners as a venture capitalist. He has a BS (Tau Beta Pi) in Systems Engineering from University of Virginia, and MS Honors in Management Science and Engineering (formerly of Engineering Economic Systems) from Stanford University.


Maiko Katadae

Maiko Katadae

Partner

Life Science & Healthcare, Medical Device

- Dr. Maiko Katadae focuses on biotech and healthcare, taking charge of due diligence in life science technol-ogies and investment operations for seed and early-stage venture enter-prises.
- She invested in PeptiDream Inc. (listed in the TSE Mothers in June 2013 and the first section in December 2015) which utilizes special peptide manufacturing techniques to design new pharmaceutical drugs. She built management teams and was involved in business plans and development. She also served as an auditor.
- She currently serves as a board member of Elixirgen Therapeutics, TAGCyx Biotechnologies, CREWT Medical Systems, SOCIUM, Elixir Pharma Inc. and fermata inc..
- She is also a member of the Evaluation Committee of the Regional University Promotion and Youth Employment Creation Project of the Cabinet Office, the National Research and Development Agency Council of the Ministry of Education, and the Industrial Structure Council of METI.

Maiko graduated from the Department of Science at Ochanomizu University, and completed her master's in Chemistry and Ph.D. in Science at the Department of Biological Sciences, Graduate School of Science in the University of Tokyo. She was selected as one of the 100 Influential People of Japan in 2013 by the Nikkei Business Magazine and won the Semi-Grand Prize for Woman of the Year 2014 by Nikkei.


Naonori Kurokawa

Naonori Kurokawa

Partner

Physical Science & Engineering, Life Science & Healthcare

- Naonori Kurokawa engages in seed and early-stage venture companies utilizing physical and chemical science technologies.
- He works with a wide range of startups including the University of Tokyo companies and other university-related companies. He also works with international deals.
- He is an outside director of companies in which UTEC has invested: immunoSCAPE PTE. LTD., obniz Inc., Adacotech Incorporated, Gaianixx Inc., and Cellusion Inc.
- He led investments of Microwave Chemical Co., 908 Devices Inc. (Nasdaq: MASS), Flosfia Inc., Molcure Inc. and so on.
- Prior to joining UTEC, he worked at ARCH Venture Partners which utilizes academic research from all over the U.S.

Naonori was a researcher at the Laboratory of Environmental Technology, Ricoh, Japan. He joined ARCH Venture Partners while studying abroad at the University of Chicago. He joined UTEC in August 2009. He earned his MBA from the University of Chicago and Ph.D. from School of Engineering at Osaka University.

TEAM

Support from professionals with diverse backgrounds

Investment Professional


Hiroaki Kobayashi

Hiroaki Kobayashi

Principal

Life Science & Healthcare

- Hiroaki Kobayashi joined UTEC in August 2019 as a venture partner and focuses on supporting portfolio companies primarily in the healthcare/life sciences space.
- Prior to UTEC, he worked in the medical device industry both in a start-up and in MNC, There he led diverse activities including alliances in manufacturing, development and distribution, industry-academia collaborations, KOL management, physician training and product marketing.
- He is an emergency medicine and intensive care physician by training and worked 5+ years in multiple academic medical centers.

Prior to joining UTEC, Hiroaki Kobayashi worked for JOMDD, a medical device start-up and a multinational medical device company.
Prior to the medical device industry, he worked for the University of Tokyo Hospital and Hitachi General Hospital as an emergency and intensive care physician.
Hiroaki Kobayashi graduated from the University of Tokyo School of Medicine (M.D.) and earned M.B.A from the Ross School of Business at the University of Michigan as a Fulbright Scholar.


Kiran Mysore

Kiran Mysore

Principal

Seed, Early stage investment in AI, Healthcare & IT

- Kiran is an AI-researcher-turned-VC. He joined UTEC in January 2018 and focuses on seed/early investments in IT and AI, including applications of AI in Healthcare and Physical Sciences. He currently has Board engagements (Director or Observer) in Eureka Robotics, Tricog Health, Bugworks Research, OPALai, Obviously AI, SWAT Mobility, Liminal Insights, and Blume Ventures. He was formerly a Board Member of Agara (PM Labs) which was acquired by Coinbase in October 2021.
- Before joining UTEC, Kiran was the head of India/SEA Operations at Deloitte Tohmatsu Venture Support (DTVS) Japan. He supported over 50 deep-tech Asian startups by connecting them with Japanese corporations, and also worked closely with METI Japan, to lead CEATEC IoT Acceleration for Asian startups. Prior to that, he was an AI researcher at UTokyo and also co-founded a student-led social enterprise named 'Kriya'.
- Kiran has been selected as a Young Global Leader by Stanford ASES (USA), St. Gallen Symposium (Switzerland) and Yenching Academy (China). In 2020, Kiran was featured in the prestigious FORBES Asia 30 Under 30 list in the Finance & Venture Capital category.

Kiran led India/SEA Operations at Deloitte Tohmatsu Venture Support (DTVS) Japan and co-founded a social-enterprise named 'Kriya'. He started his career in 2013 as a Software Engineer handling business analytics at Cleartrip India, a fast-growing online travel startup.
Kiran graduated with a Master's in Technology Management from the University of Tokyo in 2016. At UTokyo, his specialization was Deep Learning and his research paper was published in PICMET 2017. He was a recipient of a full-scholarship from the UTokyo School of Engineering (SEUT).


Lenny Chin

Lenny (Kayo) Chin

Principal

AI & IT, etc.

- Lenny (Kayo) Chin joined UTEC in July 2021 and focuses on investments in seed / early-stage startups in the fields of AI, quantum computing, and other disruptive technologies.
- Previously, he worked at Lenovo and PwC Advisory LLC in Tokyo, Japan. Leading strategic planning and operations at Lenovo Japan, he managed the consumer business' P&L for NEC—Japan's market-leading PC brand.
- As a turnaround advisor at PwC Advisory LLC, he provided restructuring / turnaround advisory to 12+ global Japanese companies operating in financially distressed environments.

Before joining UTEC in 2021, Lenny (Kayo) Chin was a Senior Manager at Lenovo Japan and a turnaround advisor at PwC Advisory LLC.
He earned a BS in Mathematics from the College of Creative Studies at UC Santa Barbara and an MBA from UCLA Anderson School of Management.

TEAM

Support from professionals with diverse backgrounds

Investment Professional

Sho Morita

Principal

M&A, capital alliance

- Joined UTEC in 2022 as a Principal and primarily focuses on exit strategy (M&A) and supporting capital alliance of portfolio companies.
- Prior to joining UTEC, Sho Morita spent 7+ years at Lazard, where he advised Japanese blue-tip companies in variety of sectors. He was involved in cross-border deal as well as complex domestic business combination.
- Started his career at Japan Bank for International Cooperation, where he was involved in project financing in oil & gas projects.
- Holds BSc and MSc in Agricultural and Life Sciences (Applied Biotechnology)

Joined UTEC in 2022.
Has 7-year+ experience in investment banking at Lazard and 3-year+ experience at Japan Bank for International Cooperation.
Holds BSc and MSc in Agricultural and Life Sciences (Applied Biotechnology)

Yuki Hayashi

Principal
& Data Scientist

AI & IT,etc.

- Yuki Hayashi was first involved with UTEC as a research assistant in 2017 and has engaged in due diligence and strategy proposals to investees. In addition, he is carrying out a data science project with the president. He became an associate & data scientist in 2019.
- Before he joined UTEC, Yuki conducted research at the graduate school of the University of Tokyo, and developed a software to improve business efficiency for clients in FAS industry. At the University of Tokyo, he engaged in research on time series analysis / machine learning. While studying at the university, he was engaged in the development of in-house data science infrastructure at a global Ad-Tech startup.

Yuki joined UTEC as a research assistant in 2017 and has become an associate & data scientist since April 2019. He worked as an engineer for a global Ad-Tech startup while studying at a university. He graduated from the Graduate School of Engineering, the University of Tokyo (Technology Management for Innovation), Department of Engineering, the University of Tokyo (Mechano-informatics).

Azusa Shiohara

Senior Associate

Life Science & Healthcare

- Azusa joined UTEC in September 2021.
- She focuses on seed/early-stage biotech/healthcare investments.
- Prior to joining UTEC, she worked as a manager of the biotech/healthcare team at Arthur D Little, a global management consulting firm. At Arthur D Little, she had a particular focus on cutting edge biotechnology-enabled businesses, supporting her clients with new business development, R&D and other management issues.
- She holds an MBA from London Business School and an MSc in Pharmaceutical Sciences from the University of Tokyo.

Azusa has experience as a management consultant at Arthur D Little, a global management consulting firm. Azusa holds an MBA from London Business School and a BA and MSc in Pharmaceutical Sciences from the University of Tokyo.

TEAM

Support from professionals with diverse backgrounds

Investment Professional

John Suzuki

Associate

Life Science & Healthcare
Physical Science
& Engineering

- John joined UTEC in July 2020 as an intern and became an associate in November 2020. John supports sourcing and portfolio value ups in the fields of Healthcare & Life Science and Physical Science & Engineering with focus on expanding UTEC's international outreach.
- Prior to UTEC, John worked as a business development manager for the pharmaceutical division of Takasago International Corporation in London, UK after an engineering internship at Gilead Sciences, Inc in Foster City, USA. At Takasago, he was responsible for promotion of continuous synthesis of API intermediates with the application of Noyori catalysis to global pharmaceutical companies, managing client accounts, product pricing, and supporting technical translations and communications ranging from project updates to arranging legal agreements.
- Raised in Geneva, Switzerland; John holds an BA and MEng in Chemical Engineering and Biotechnology from the University of Cambridge.
- He is an incoming MBA candidate to the Harvard Business School admitted in March 2020

John joined UTEC as an intern in July 2020 and became an associate in November 2020. He has experience as a business development manager at a Contract Development and Manufacturing Pharmaceutical Division of Takasago International Corporation in London, UK; following an engineering internship at Gilead Sciences in Foster City, CA, USA. John holds BA and MEng degrees in Chemical Engineering and Biotechnology from the University of Cambridge. He is an incoming MBA candidate to the Harvard Business School admitted in March 2020.

Senior Expert

Atsushi Shimada

Senior Expert (IP)
Venture Partner

Life Science & Healthcare

- Atsushi Shimada leads business development and intellectual property strategy for portfolio companies at UTEC. He joined UTEC in 2018 after working for Bayer Pharmaceuticals Japan from 2014 to 2018.
- Atsushi has more than 20 years experiences in business development and licensing in the pharmaceutical industry with diverse experiences in intellectual property work as a Patent Attorney. As a business development executive, he has lead triple-digit-value deals locally and globally managing multi-disciplinary teams.
- He worked for Takeda Pharmaceuticals USA and Japan as a director and Bayer Pharmaceuticals Japan where he lead in/out licensing, strategic pipeline development, and alliance management work. He also engaged in the M&A deals with Amgen Japan KK and Nycomed at Takeda Japan.

Atsushi started his career in a IP Law Firm in 2001 and then joined Takeda Pharmaceutical company Japan in 2006 where he spent three years from 2011 to 2014 in the international HQ of Takeda Pharmaceutical International in Illinois USA. He joined UTEC in 2018 after working for Bayer Pharmaceuticals Japan from 2014 to 2018. He graduated from Osaka University (Engineering) and IE business school (Madrid, Spain) and is a registered Patent Attorney.

TEAM

Support from professionals with diverse backgrounds

HR

Hirofumi Oki

Hirofumi Oki

Senior Manager, HR
/ Executive Talent

Human Resources,
Executive Talent

- After joining UTEC in 2018, Hirofumi has been in charge of the managing organizational development of our portfolio companies, leads UTEC HR Team. His support includes the recruitment of founders, formation of management teams, recruitment branding, and organization strategy building for IPO. He also provides support for team building at all stages and at pre-incorporation. He has succeeded in recruiting over 70 management professionals in the past 3 years by matching cutting-edge scientists with management professionals. In addition, he is also responsible for operating the UTEC unique invitation-only community, UTEC SOC (Startup Opportunity Club) . He is in charge of HR of UTEC.
- Previous to UTEC, Hirofumi was engaged in leading and launching a recruitment consultant team for biotech ventures at a British executive firm. He provided a wide range of HR for the healthcare field from business to research, factories, and production. He also worked as a career consultant.
- He has provided recruitment support to startup companies from when he was a student and gained experience in recruitment, employment branding and organization HR design.

Hirofumi was involved in a start-up, specializing in organization and HR consultation while still being a student. He joined UTEC as an HR manager after working in HR recruit-ment for the web/IT industry and in recruitment consultation for healthcare ventures.

Maiko Iinuma

Maiko Iinuma

HR Associate Manager

Human Resources

- Maiko joined UTEC in September 2021.
- She is in charge of supporting holistic HR activities including organization development, recruiting of management talents mainly for IT portfolios.
- After working as a system engineer and software marketing manager at IBM, Maiko joined an executive search firm, where she engaged in leadership management for both Japanese and multinational companies.
- Previously, Maiko was working for an IT start-up. She joined as the first person in the back office, eventually becoming a recruiting manager for both business and engineer positions.

Maiko started her career at IBM as a system engineer and software marketing manager and then joined Spencer Stuart as an associate for tech and consumer goods. Maiko was the first HR manager at tech start-up company before joining UTEC in September 2021.
Maiko holds a BA from the Faculty of Literature at Keio University.

Masafumi Asakura

Masafumi Asakura

HR Specialist

Human Resources

- Masafumi is the Co-Founder & CEO of his own startup and also a Venture Partner at UTEC. Before launching his own company, he was the COO at an AI and 3D printing startup in Tokyo, Japan, which succeeded in being acquired by a company listed on the Tokyo Stock Exchange in September 2017. The total funding amount of the AI and 3D printing startup was approximately US$9.4M, and he was in charge as the Executive Director of Finance, Product Management, and Business until the closing of the M&A. He was also the Executive Director of Global Business Development, where he launched and expanded the digital manufacturing platform.
- Previously, Masafumi lived in Singapore for three years and was involved in two companies. One as a Managing Director, and the other as a CEO.

After joining Mizuho Bank, Ltd., Masafumi joined Recruit Co., Ltd (formerly Recruit Career), where he worked as a recruiting advisor, career advisor, and in the Corporate Planning Department. He then moved to Singapore to work as the Managing Director of an Employment Agency. After returning to Japan, he joined a 3D printing and machine learning start-up and served as the Head of Product Management, Executive Officer of Corporate Planning Department, and COO. After M&A and PMI at a company listed on the first section of the Tokyo Stock Exchange, he founded his own start-up. He joined UTEC in October 2020.

TEAM

Support from professionals with diverse backgrounds

HR

Yugo
Nakashima

Yugo Nakashima

HR Specialist

Human Resources

- Yugo joined UTEC in October 2020. He manages the investee HR strategy.
- Before joining UTEC, Yugo was involved in the assembly of a business team for a start up that applies machine learning to recruitment services. Yugo is proficient in Python / GAS / R languages and their application to statistical analysis and automation.
- He has authored "A book on the basics of IT engineering for human resources personnel" and "Business Development Data Analysis"

Engaged in marketing, sales, and setting up recruiting teams for multiple start -ups and ventures

TEAM

Support from professionals with diverse backgrounds

Administration

Hiroyuki Sakita

Controller

Administration

- Hiroyuki Sakita is in charge of fund administration, investor relations and corporate management.
- In Deloitte Japan, he engaged in regulatory audit and advisory services for public companies and pre-IPO companies.
- In startups, he experienced various administration duties, such as fundraising, accounting, HR, legal affairs, etc.

He joined Deloitte Japan in 2007, and engaged in regulatory audit and advisory services as a manager. After working for startups, Hiroyuki joined UTEC in January 2018. Certified Public Accountant (Japan)

Fumi Yoshioka

Manager

Administration

- Fumi Yoshioka is in charge of fund administration, investor relations and public relations.
- Before joining UTEC, she worked for an accounting and tax firm, providing accounting and tax services for corporations and partnerships.
- Prior to that, she worked at Deloitte Japan and had engaged in regulatory audit and advisory service for limited partnerships, public companies and pre-IPO companies.

Fumi joined Deloitte Japan in 2008 and engaged in regulatory audit and advisory service.
After working for an accounting and tax firm, she joined UTEC in 2014.
She graduated from Kyoto University with a B.A. in Economics and is a Certified Public Accountant (Japan).

Kiyoaki Takamori

Manager

Administration

- Kiyoaki Takamori joined UTEC in November 2021. He is in charge of fund administration.
- Before joining UTEC, he worked at WM Fund Associates, a fund administration service provider, focusing on fundraising, administration, and system development.
- Prior to that, he engaged in accounting and finance operations and organizational restructuring projects at a company as head of department.

After 10 years of experience in accounting and finance operations for companies, he joined WM Fund Associates in 2017 and engaged in fund administration as manager. He joined UTEC in November 2021.
He holds a master's degree in International Accounting from Chuo University.

ALUMNI VENTURE PARTNER

Hideki Tsuji

Hideki Tsuji

Alumni Venture Partner
Board Director of
UTEC Venture Partners, Inc.

- Hideki was a partner & board member at UTEC between 2006 and 2020 focusing on impact investments related to Energy Transition. While at UTEC Hideki led investments and served on the boards of Exergy Power Systems, Inc. (flexibility service by BESS), NExT-e Solutions Inc. (2nd-life e-mobility batteries by digital control technology), FCO Power, Inc. (Solid Oxide Fuel Cell technology), etc.

Hideki graduated from the Faculty of Law at the University of Tokyo and worked for MITI, Government of Japan. He then joined Visionarts, Inc. as a COO. Prior to joining UTEC in August 2006, he earned his Master's degrees from the University of Pennsylvania Law School and London Business School.

Ted Yamamoto

Ted Yamamoto

Alumni Venture Partner
Board Director of
UTEC Venture Partners, Inc.

- Ted Yamamoto was a partner & board member at UTEC between 2008 and 2020 focusing on seed and early stage information technology investments. While at UTEC Ted led investments and served on the boards of ROMS, Inc., SWAT Mobility Pte. Ltd., Locix Inc., Fyusion, Inc., Mujin, Inc.(MBO in February 2019), Autonomous Control Systems Laboratory Ltd./ACSL (IPO in December 2018 - 6232:TYO), Phyzios, Inc. (acquired by Google in February 2013), Naked Technology Inc. (acquired by mixi, Inc. in September 2011) ,etc.

Ted joined Mitsui & Co., Ltd. in 1994. He left Mitsui Ventures after working in IT-related venture capital investment between Japan and the U.S. for 10 years. He joined UTEC in July 2008. He graduated from the Department of Physics at the University of Oxford. He is currently studying for his Executive MBA degree at the Saïd Business School, University of Oxford.

Other Directors & Senior Advisors

Keiji Mogi

Chairman

- Keiji Mogi is the chairman of UTEC. He graduated from Sophia University's Faculty of Foreign Language in 1964 and received a master's degree at University Catholic de Louvain in 1965, sponsored by the Belgian government. At Mitsui Bank (currently SMBC), he served as the chairman secretary of the general affairs department, the deputy branch manager of the New York branch, and as the head of the Brussels and London branches.
- He served as the Public relations manager at Sakura Bank (currently SMBC), Director of Public Relations (assumed to be the director of the same bank in 1992). In 1996, he joined Sakura Card Co., Ltd. as a vice president, and in 1997 he served as the Senior Vice President at Sony Life Insurance Co., Ltd.. From 2006 to 2016, he was a Bridgepoint Capital Advisor in the UK. From 2007 to 2012, he taught as Professor of Economics at Teikyo University Faculty of Economics. Since 2006 he has served as a VenCap International Advisor in the UK.

Masao Hirano

Board Director (External)

- Masao Hirano is currently a Professor at Waseda Business School (Graduate School of Business and Finance), and the president of the Japan Business Model Association. He has an extensive professional background in both private equity investment and management consulting. He graduated from Tokyo University's Faculty of Engineering, Department of Applied Chemistry in 1980 and then joined JGC Corporation as a project engineer. In 1987, he joined McKinsey and became managing partner of McKinsey Japan in 1993. From 2007 to 2011, he was a Co-Head of Carlyle Japan, a buy-out fund of a global asset management firm, in which he led a few private equity investments in Japan. He graduated from Stanford University, M.S. Engineering Economic Systems.

Hiroyuki Takahashi

Corporate Auditor (External)

- Hiroyuki Takahashi is an external corporate auditor of UTEC. He graduated from the University of Tokyo's Faculty of Nuclear Engineering in 1987 (Master of Engineering). In 1989, he became a research associate. He served as a Lecturer at the international cooperation and education office, an Associate Professor of Research into Artifact at the Center for Engineering, an Associate Professor of High Energy Research Organization, a Professor of Department of Nuclear Engineering and Department of Bio-engineering. He is now a Professor at the Institute of Engineering Innovation, The University of Tokyo. Since April 2014, he has served as a Special Advisor to the Dean of Engineering, The University of Tokyo. Since November 2017, he also serves as a Vice Director of the Division of University Corporate Relations at the University of Tokyo.

Kazuki Nakamoto

Corporate Auditor (External)

- Kazuki Nakamoto is currently a member of the Asset management committee of Kindai University and an advisor to Crosspoint Advisors, Japan's leading independent advisory firm. He graduated from Osaka University's Faculty of Science, Department of Math in 1976 and then joined Daido Life Insurance Company. He became a Manager of the Operations Planning Department in 1996, served as the Board Director in 1998, the Managing Director in 2001, the Director and Managing Executive Officer in 2006, the Senior Managing Executive Officer, Director in 2007, the Representative Director Senior Managing Executive Officer in 2008, the Senior Managing Executive Officer and Director in 2010. Later he became the Standing Corporate Auditor, and retired from this position in 2014.

Katsuhiko Okubo

Senior Advisor

- Mr. Okubo is currently a Vice Chairman at Japan Stanford Association, and a lecturer at the Open University of JAPAN and at Okayama University among others. He graduated from the University of Tokyo's Faculty of Electronic Engineering in 1965 and then joined Furukawa Electric Co., Ltd. He completed a doctoral course in Stanford University Engineering School in 1972. In 1990, he was engaged in the acquisition of JDS in Canada and then served as a Board of Directors at JDS. In 1995 he served as a Board of Directors at Furukawa Electric Co., Ltd. He established FiNet in the U.S., and served as a Vice Chairman in 1997, Managing Director of R&D Headquarters in 1998, and a Senior Managing Director in the Information & Communications Division in 2000. He was engaged in purchasing Light Division (OFS) from Lucent and then served as a Chairman. In 2005 he left Furukawa Electric and established Okubo Technical Management Office. He is the President of the office, and served as a Director at CommScope in the U.S., and as a Director of SEIKOH GIKEN.

Kazuhiko Toyama

Senior Advisor

- Mr. Toyama is currently Chairman at IGPI (Industrial Growth Platform, Inc.) Group, a Chairman at Support Committee of METI IoT Acceleration Lab, a Vice Chairperson of KEIZAI DOYUKAI (Japan Association of Corporate Executives), an Expert member of Council on Economic Fiscal Policy (MOF), a Member of The Tax Commission (CAO), a Member of the Council of Experts Concerning the Corporate Governance Code (FSA), an Outside director of OMRON Corporation, Pia Corporation and Panasonic Corporation. He graduated from the University of Tokyo's Faculty of Law in 1985 then joined the Boston Consulting Group. He became a founding member of Corporate Directions, Inc. (CDI), where he later served as CEO. Later he received MBA from Stanford University in 1992. After that he was appointed COO at the Industrial Revitalization Corporation of Japan (IRCJ), which was established by the Japanese government in 2003. In 2007, when IRCJ was dissolved, he founded Industrial Growth Platform, Inc. (IGPI), where he later served as CEO. He served as sub leader at JAL Reproduction Task Force in 2009, a Chairman at Support Committee of METI IoT Acceleration Lab in 2015.