

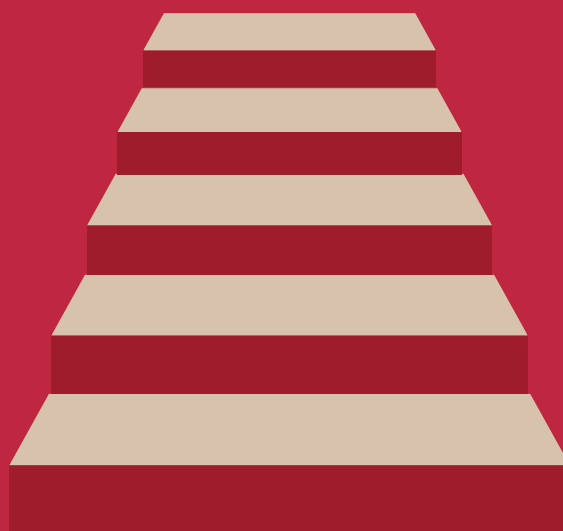
NEDO

Technology Commercialization Program

Pitch Contest (2nd Stage)

~ Technology & Business Plan Contest 2014 ~

THE DOOR IS OPEN.
ONE STEP FORWARD TO REALIZE YOUR DREAM.
PEOPLE ARE WAITING FOR YOU!



Osaka

Tuesday, January 27th, 2015 @Osaka Innovation Hub

Tokyo

Thursday, January 29th 2015 @EY Japan

Sponsorship : New Energy and Industrial Technology Development Organization, The Japan Research Institute, Limited

Planning & Management : SARR,LLC

Cooperation : SRI International, Sumitomo Mitsui Banking Corporation, Pasona Tech,inc, KAPION, Kyoto Research Park Corp., Osaka Innovation Hub, Ernst & Young Japan, Ernst & Young ShinNihon Creation Co., Ltd., Mitsui Fudosan Co., Ltd.

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Micro-aqua Ltd.

Commercializing environment purification system with utilizing micro bubble that exerts electromagnetic action

Env

Osaka

This technology put an electron that has molecular oscillation action to oxygen in the air, strengthens reducing power by the electron and oxidizability of the oxygen itself simultaneously, and accelerates bonding and dissociative reaction of substance. With low cost, one-of-a-kind and innovative environmental improvement effects is achieved. By this technology, harmful chemicals including stench and trihalomethane are removed, quality of water and air is improved and refreshing and healing environment are provided.

Team BASARA

Metro weather

Env Elc IT

Osaka

We provide high dense weather information that focuses on urban areas where people and functions have been gathering. We develop meteorological instrument in-house, and expand areas by ourselves and commercialize it to global markets including airports in urban areas where high level of security is required. Based on the close correlation between human dynamism and weather conditions, we provide marketing information with utilizing high dense weather information.

A friend of scientist "Team LogLab"

"LogLab", science platform connecting scientists to people

Elc IT

Osaka

Providing 4 services; "Manabu" (learning) contents for high school students to easily understand science that is developed based on the interviews with scientists, "Miru" (watching) contents in which scientists provide the state-of-the-art researches and the relevant issues, "Sagasu" (searching) service that enable to easily find labs in each science field, and science teaching apps. Based on these 4 services, we aim to make profit by user billing system, advertising revenue and selling the articles.

Pangea Lab

Greeting card service provider who bridges cross-culture

Elc

Osaka

We propose the online greeting card service that conveys personal feelings with overcoming language barriers. After 9.11, we started MIT Media Lab and through ICT international exchange works launched as social business in Japan, we have accumulated application technologies and know-hows in multilanguage communication. Based on those technologies and know-hows, we build greeting card platform and develop B to B to C business.

iElectrolyte LLC

Selling the electrode material derived from seaweed for storage batteries

Egy

Osaka

Our business provides new electrode material (binder) derived from seaweeds for storage batteries. The manufacturing process of the electrode is first, mix the active material with the binder to prepare slurry. After that it is casted on the foil and dried. Generally, high degree of mixing and uniformizing techniques are required for slurry preparation. Our product can provide a consumer a chance to simplify the mixing process without new equipment.

Kansai University — Natural Adhesive Innovation

Manufacture and sales of natural adhesive protein from edible enoki

Oth

Osaka

We had discovered a new extract manufacturing process for two kinds of adhesive proteins from edible enoki. Our main product in this plan is the water-soluble adhesive protein. We conduct its sales and quality control of this protein, and consulting about use it for processed food, elder care food, and hard-to-swallow food. Therefore, this business aims is to business that gives the pleasure of eating in the elderly society.

Search AI net

Providing premium services for elderly peoples of dementia using smartphone of 3 billion units that are in widespread use in the world.

IT

Osaka

TWe would like to provide the premium service that is not needed new infrastructure, for elderly people of dementia to participate using general public owned smartphone.

If elderly peoples of dementia carries our sensor, he/she will watch out for their safety on 3 billion units that are in widespread use in the world.

Sweat Lab

Osaka

Development and sale of wearable health monitoring equipment to manage health in sweat.

Bio Mch IT

We will develop a machine to check your health from your sweat. This machine can be to check the health state that to wear. Our goal is to provide daily health for many people. Also, We want to health in lifestyle-related diseases patients by this machine. We do the sale of this machine. And, We want to run in cooperation with the supplement company.

Photocathode Electron Soul

Osaka

Development of innovative electron beam source for industrial uses

Mch Mat

Our mission is to break through the barrier of performance of the micro-fabrication and micro-observation by developing innovative electron beam (e-beam) source. E-beam is currently a key element in micro-fabrication and micro-observation, and used in various devices, such as semiconductor inspection equipment, electron microscopes, and metal additive manufacturing. The technologies in e-beam source have not progressed for almost 30 years, and performance of the devices are reaching a limit. We employed quantum technologies to generate innovative electron beam which is superior to the current ones in coherence, electrical current, and beam shape (e.g. pulse shape). Our electron source allows high-throughput and refinement in micro-fabrication and micro-observation.

Hero egg

Osaka

Development and Sales Promotion : Wearable Electric Running Support Device (Electric Vehicle) called "HERO LEG"

Mch

We developed this support device. It is called "HEROLEG" .A user attaches a pair of this device on both legs and step on an accelerator pedal by moving him or her weight. It makes the rotary motion of the motor become more speedy and the user can move forward easily. We introduce it to apply in many fields. For example, Sports, Security Guard, Guide for long walking and Events. And, we get an income by sale, a lease and rental. In addition it is an moving tool that does not influence environment by using electric power.

SLEEPWELL, CO.LTD

Osaka

MENTAL AND SLEEP DISORDER ANALYSIS APPARATUS, METHOD, AND PROGRAM

Elc Bio Mch

We measure the patient's sleep EEG with a medical equipment electroencephalograph "sleep scope." Customer sends the EEG data to our sever, we analyze that data, and an exact sleep result is obtained in 1 minute. We discovered that a psychiatric disorder person's sleep electroencephalogram was characteristic, and acquired U.S. patent. This technology will make possible the method of diagnosing a psychiatric disorder by a biomarker.

Medical Photonics

Tokyo

Commercialization of the non-invasive lipid metabolism measurement system.

Bio

Aiming at the practical use of the non-invasive lipid metabolism measurement method developed originally, we create new industry based on this new technology and new health care industrial platform. The measurement of blood lipid levels can be only diagnosed in a medical institution generally. However, this technology enables the measurement at home. For realizing the lipid measurement at home, starting discussion for collaborative researches with medical institutes, and also starting negotiation the license with a company.

Laboratory of Cell Applied Technologies, Co

Tokyo

Propose an application model for Platelet Rich Plasma (PRP) therapy

Bio

Our business is to undertake the separation of PRP from the hospitals and clinics. PRP is a concentrated source of autologous platelets. PRP contains several growth factors that are efficacious for regenerative medicine. In a clinical study, we have demonstrated its effectiveness in 80 cases of ulcers. And we are proceeding with clinical studies in plastic surgery, orthopedics and dentistry.

Kaytee Bio, Co.&Ltd.

Tokyo

Diagnosis and treatment of rheumatoid arthritis

Bio

Kaytee Bio is developing a differentiated technology using short-talin to diagnose and treat RA. Our patent-protected technology allows exact diagnosis of RA at the early stage. Another our powerful technology is the prediction of biologics treatment of RA based on the baseline blood ADAMTS5 mRNA expression. Validity of infliximab, etanercept, adalimumab, tocilizumab, and abatacept can be predictive using the "BiologicMate®" of ADAMTS5 system. All of our technology is protected with in-house developed global patents.

Cykinso, Inc.

Building a New Health Management Platform Service Based on Individual Gut Microbiome Information

Bio

Tokyo

Our health management platform is for healthy people to be aware of and to improve upon their fitness and risks of lifestyle related health problems by analyzing patterns of one's gut microbiome. We will also make our database of anonymized microbiome and lifestyle information available for purposes such as research and development of health food and drugs.

Team MAGrahd

Specifically developing Japanese first companion diagnostic medicine antibody (CDx antibody)

Bio

Tokyo

Our technology of isolating antibody derived from single cell enable to create antibody from various immune animal species with the world's fastest way. Based on this technology, from the initial stage of business, developing and simultaneously commercializing companion diagnosis medicine antibody that is corresponding to new anti-cancer antibody medical supplies developed by pharmaceutical companies. Furthermore, taking technical advantage, we provide our antibody manufacturing technology not only to domestic but also global companies.

ABC Motion Laboratory

Structuring and Extension of Rehabilitation Business using Real World Haptics Technology

Bio Oth

Tokyo

Real World Haptics is a Japan-oriented new technology which enables transfer, record and reproduction of the sense of touching. The fidelity of the reproduction of the feeling is extremely higher than other developed technologies. We are planning to apply this technology to rehabilitation field, so that the rehabilitation methodology is renewed. This renewal will result very high efficiency of recovery of the patients. For these purposes, we will research application fields, develop required equipment and start and expand services for the patients who have problems on their motion.

SoSoH

www.SocialDrugDiscovery.moe

Bio IT

Tokyo

Gamified crowdsourcing and crowd funding service for democratization of drug discovery. Taking advantage of Japanese MOE (萌え) culture, we gamify computational drug discovery process and construct an ecosystem of drug screening assay.

Chemical Pincer

Innovations in bio medical purification process with utilizing antibody imitating chemical molecule and development of drug

Bio Mat

Tokyo

We propose the business with micro molecule that realizes "equal function" of antigen-recognizing site of antibody as our core technology. Our long-term goal is to create new framework that compensates the defect of the antibody medical supplies. As our short and mid-term goal, we plan to enter the business of purification process for medical-use protein (it currently accounts for 70% of manufacturing cost).

Team Robot

With utilizing smartphone-robot, opening robot development and its social

IT

Tokyo

Through opening both software and hardware development of smartphone-robot and proceeding de facto standardization, we aim to enhance eco-system, improve open-innovation and conduct social implementation of the robot.

AlpacaDB "a team of deep-learning and big-data professionals"

Enabling enterprises to make queries against their images and videos

IT

Tokyo

With our proprietary distributed processing deep-learning pipeline, we provide fine-tuned image recognition algorithms for each data-set on the fly. We are working with photo-stock services, animation platforms, gaming companies, and ECs.

Categories

Egy

Energy

Env

Environment

Elc

Electronics

Bio

Biotech

Mch

Machinery and System

Mat

Materials, Nanotechnology

IT

IT

Oth

Others

Quintessensia LLC

Life-style related diseases management for companies and employees

IT

Tokyo

The vast majority of Japanese companies and their insurers experience overwhelming healthcare costs and loss of performance of the workforce, due to rising occurrence of chronic diseases and to high dropout rate from the traditional face-to-face-only healthcare system.

We provide to businesses a cloud-based solution for the control of health risk factors and for the management of chronic diseases by bringing together novel analytics of employees' health data (patent pending) and online individualized support by dedicated health professionals. The employees benefit from a continuous support adjusted to their activities and the companies benefit from improved information and reduced costs.

Our service was approved by medical doctors as complementary to the traditional healthcare system, with restored continuity of health management and improved satisfaction by active population.

Team MedLink

Create the leading global communication platform for physicians and their

IT Oth

Tokyo

Many doctors are too busy for long explanations, while medical information on the internet is too general and potentially inaccurate, leaving patients confused.

"MedLink" offers doctors a new, easy way to provide take-away digital information to their patients, tailored to their diagnosis. Patients get targeted education, curated by the best expert - their own physician. This leads to better treatment compliance and medical outcomes.

Pharmaceutical and healthcare companies will pay Medlink to improve patient education.

And with Kyoto University we are developing technology that automatically recommends to doctors, through electronic medical records analysis, the right information to distribute to patients.

KOKORO Team

Commercializing subjective feelings measuring system

Elc IT

Tokyo

RIKEN has developed KOKORO Scale system that a user easily can enter his/her mentality at different times by just touching two-dimensional plane. We commercialize "confort and feelings change prediction website" based on this subjective feelings measuring device named KOKORO Scale, and doing consulting business for enterprises to develop new products and conduct marketing.

Manatee

Providing the instinct communication UI for wearable devices.

Elc IT

Tokyo

We provide the ambient "OMOTENASHI" communication technology to enjoy comfortable, stylish, and smart life to all the smart phone users.

DeUX

The optimization of Internet advertisement based on the emotion of viewers

Elc

Tokyo

Our team suggest emotion estimation system that can estimate the interests of users who use smart phones or tablets by using a camera mounted on that devices. We will provide this system to the Internet ad serving company and realize the world that everyone won't get tired of the advertisement.

Mashroom

Bidirectional communication system with utilizing display of smart device

Elc

Tokyo

This is component technologies that enable bidirectional communication on smart devices including NFC and Bluetooth. With utilizing browser, realizing the use with universal services without user restriction components including the terminal devices, OS and installing application, and also realizing secured communication because of contact communication technology are the keys.

Categories



Energy



Environment



Electronics



Biotech



Machinery and System



Materials, Nanotechnology



IT



Others

HolonET / Well known that Galactic Network System in Star Wars Saga, but Really mean is Holon +

Tokyo

Non-Programing Game Server Service by Extreme performance (10x over) Knowledge Database.

Elc Oth

910 million Billing gamers, 5.7 billion game hour / week ! The world of network Game is really Big Data Environment. This world need huge virtual world simulation and real time analyzer for Sales of Game properties. But it is necessary for lot of servers that achieve this by conventional techniques as RDBMS. Our plan will solve this problem by new technology that Holon DB / Knowledge Database (Concept of Holon is based on Ken Wilber). This technology is quite different from old DBMS. Conventional technology is managing data, but our new technology managing the structure of the information. As a result performance is more than 10 times the old technology per one server. Of course, this technology is not a game only. It is also possible to use a variety of big data. However, in order to support the great imagination and dreams of people around the world, and against the target to the world of games.

team soft solutions

Tokyo

We aim at the revolution in the software development for the manufactures. The first business is the three dimensional measurement

Elc Mch IT

Our core competences are the software engineering and its software development environments called the OOJ. The OOJ has been developed for the software development of the manufactures. Since the software development operations in the manufactures have been done in the non-formal design architecture, a major revolution has been desired for the software development of the manufactures. Therefore, we have already developed the software system for the three dimensional measurement system. This development business is our first target, and we will start-up the software development contractor. Our contract must be accepted with full scale contract from the analysis of the target work up to the software perfect review and the test.

Biotransistor R&D

Tokyo

Development of biosensing semiconductor chip for easily examining the cause of disease & getting the global database of disease and disease cause

Elc Bio Mat IT

- (1) The sensitivity of electronic biosensing of antigen is improved by 1000-times with nano-scale detection unit on semiconductor chip.
- (2) The small, cheap, and low-power biosensing equipment connected to digital communication technologies is distributed anywhere people gathers; and then automatically obtaining the global database of disease and disease cause.
- (3) Globally optimizing the medical resource and successfully controlling the risk of pandemic (Ebola, new Pesto, Avian Flu...)

CONNEXX SYSTEMS Corp.

Tokyo

Developing COVIT

Egy Env Elc

We develop micro EV COVIT that is necessities of our life, and support independent and comfortable life of people.

rimOnO Corporation

Tokyo

"Drivable fashion" - super small electric commuter car "rimOnO"

Egy Env Elc IT

We, rimOnO Corporation is consisted of former Toyota designer, Kota Nezu and former government official, Shinsuke Ito. Our company is currently developing super small electric commuter car, "rimOnO" to revolutionize the car industry. We believe that current cars are too big and unfriendly to the environment, but most of all, not exciting enough to own. Our rimOnO is cute or in Japanese, "kawaii" designed, and feature exchangeable exterior system so that owners can easily change exterior parts. It' s a car but more closer to fashion, so we call it "Drivable fashion" !

drone transport team

Tokyo

Flight management control service business of aerial unmanned transport aircraft

Egy Env Elc Mch IT

Business conducted operations management control and the maintenance after-sales service of the pendulum stability unmanned transport aircraft to safely fly through the air. Disconnect the risk of safety and legal regulations, weather judgment, the approval application procedure approved acquisition complex and highly specialized knowledge to each institution Aviation Administration, from users and manufacturers.

Business group of Magnesium oxide abrasiveNet.

Commercializing recyclable magnesium oxide abrasive

Env Mat

Tokyo

Magnesium oxide abrasives has the following features;

- 1) Recovery and regeneration are theoretically easy. Therefore in near future, huge demand can be expected.
 - 2) Comparing conventional abrasive material, silica, it can obtain 4 folds polishing speed, therefore the amount of abrasives can be reduced to a quarter.
 - 3) The price of abrasives will be able to set lower selling price of silica of 300 JPY/KG (price of abrasive grain 70JPY/Kg)
- Customer can gain the benefit of 4 folds of throughput and a quarter of the amount of abrasives (it is worth of a quarter price of current abrasive material).

Team for developing multiple businesses of resin from bamboo micro fiber (BMF)

Developing and selling the materials of high-functioning resin composed bamboo fine powder of a high concentration

Env Bio Mat

Tokyo

We manufacture and sell a compound (resin material) of resin with bamboo fine powder (300 μ) of a high concentration that is made with the patent-acquired special cutter and with the special mix fusion device (the patent-acquired). 70% of oil-base resin can be substituted by plant biomass, bamboo fiber, and its strength and heat resistance significantly improve, and also cost is reduced. The resin can have thermosetting and thermo plasticity. Various molding methods can be applied (even mold injection is available) and it is very innovative.

Gate Solution, Ltd. (tentative name)

Manufacturing and selling non-invasive tear sugar level measuring instrument

Mat

Tokyo

By substituting current "painful, complicated and expensive" self blood glucose level measuring instrument to "painless, convenient and inexpensive" self tear sugar level measuring instrument, improving QOL of 10 million diabetes throughout Japan (approximately 4 billion patients globally), preventing exacerbation and also prompting preventive measures for 11 million pre-diabetes in Japan will be achieved. And also we aim to reduce medical expenditures and contribute to Japanese economy through exporting medical equipment.

Team SCW (Sub-critical Water Tech.)

Vitalization of Japanese Regional Economy through The Woody Food Production Business for Cattle Breeders

Env

Tokyo

" Setting-up a new business of high-quality woody food production customized for cattle breeders in Japan"

It is realized that our innovative reactors using Sub-critical Water Technology enable to convert non-commercial wood (white birch, etc.) speedily into the sweet tasty and pathogen-free fiber foodstuffs.

Firstly, we intend to offer our technology commercialization services (TCS) in the Hokkaido region through the feeding test for Japanese black-hair cattle with the local breeders. Further, we will expand our services nationwide for breeders and consumers, providing the excellence of meat quality with the brand-new local woody food that are abundant in our country.

The new cooperation between Cattle Breeding and Forest Industry vitalizes regional economy in Japan.

Mirai earthquake prediction start up team

Reliable prediction of earthquake and huge tsunami saves seashore and the metropolitan area

Oth

Tokyo

Our CEO has been conducting research and development individually for 15 years to realize particularly "practical use" of earthquake prediction. Only a week after 3.11 earthquake and tsunami attack, Prof. Hioki of Hokkaido University found "electrons are gathered in the ionosphere above the epicenter 40 minutes before earthquake". Based on this finding, our company provides reliable prediction of giant tsunami 30 minutes before earthquake attack.

ShuR group

SLinto, "Crowd type dictionary of sign language" developed with everyone

Oth

Tokyo

We have used a sign language dictionary that people look up from spoken language including Japanese, but we don't have any dictionary that people can directly look up by seeing sign language. SLinto enables to look up spoken languages directly from sign languages by using the keyboard that was originally developed to enter sign languages. Furthermore, with utilizing the features of crowd, everyone can join to develop the dictionary.