

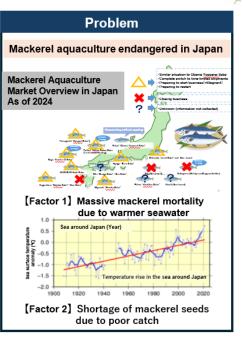
FY2024 STEP1

Hatchery-based aquaculture of mackerel and create new market for fish farming

SABAival PROJECT

Achievements in Obama city









FY2024 STEP1

Noto Peninsula earthquake is the start of the project

VTOL-type winged electric drone business with maximum payload of 50 kg and range of over 50 km



Customer: Transporters of materials and supplies in harsh environments such as mountainous and depopulated areas Power line construction and maintenance: Electric Power Company, Power Distribution Company, Power line maintenance company, etc. Transportation of supplies to mountain huts: Mountain hut operator, etc. Disaster and Humanitarian Aid, Disaster Prevention and Defense: Government Contractors, etc. Customer Issues: Labor shortage, high costs, safety risks Shortage of transport workers(Declining population, changing work styles, and tendency to avoid physical labor) High cost of helicopter transport (Rising fuel costs, etc., Human-powered transportation to arrival and departure sites) Difficulty securing land for loading (Not nearby due to the high cost of installation. Cost increase due to necessary coordination with landowners) High dependence on those with transportation (Difficult to negotiate the amount of goods that can be transported and the delivery date, etc. on equal terms.) Significant risk, including fatalities (Risk of slipping and heat stroke at work)











Transcendent Bacterial Cancer Therapy



Commercialization
Promotion Organization

n QB Capital LLC

Principal Investigator Professor MIYAKO, Eijiro

- Successfully isolated potent antitumour bacteria, named A-gyo, UN-gyo, and AUN, from tumour biopsies
- AUN composed of Proteus mirabilis (A-gyo) and Rhodopseudomonas palustris (UN-gyo) expresses high biocompatibility and strong tumour suppression ability



The image is that AUN composed of *Proteus mirabilis* (A-gyo) and *Rhodopseudomonas palustris* (UN-gyo) are defeating cancer cells by good chemistry.

Expected establishment date: FY 2027

Safety assessments (hematological and histological) suggest
High Biocompatibility of AUN

Published in top science journal Advanced Science (IF2022=15.1) and press release from JAIST. Highlighted in many national and international media (Nikkan Kogyo Shimbun, Tokyo Shimbun, Hokkoku Shimbun, Yahoo, EurekAlert, Alpha Galileo, etc.)



Prof. MIYAKO, Eijiro

Antitumour efficacy of AUN

Tumours are eliminated by a single administration

[PATENT]

- Relating to cancer diagnosis and treatment technologies using bacteria and near-infrared-light (Entering the national phase)
- and near-infrared-light (Entering the national phase)

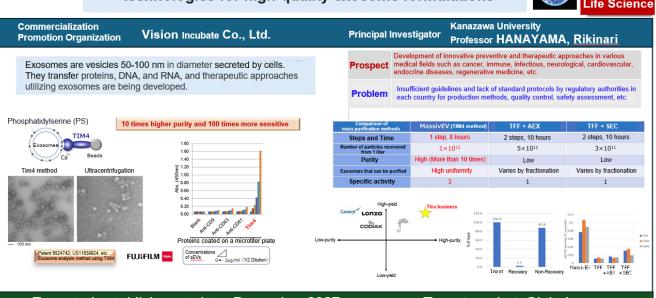
 Relating to intratumoral bacteria 1 (PCT application filed)
- Relating to intratumoral bacteria 2 (PCT application filed)
- Formulation related technologies(PCT application planned)

Target market: Global, Domestic

FY2024 STEP2

Establishment of large-scale production and quality control technologies for high-quality exosome formulations





Expected establishment date: December 2027

Target market: Global

FY2024 STEP2

Realization of next-generation film-type solar cells with low-cost, long life, and high efficiency for GX Innovation



Commercialization
Promotion Organization

Vision Incubate Co., Ltd.

Principal Investigator

Kanazawa University Professor TAIMA, Tetsuya

TAIMA, Tetsuya Ph.D.
Unit leader, Study on Ionic-liquid

Addition Technology

Our two innovative technologies overcome key challenges and enable the development of next generation flexible perovskite solar cells (PSCs)

① Stability (Lifetime)

Several hours of durability in ambient air

High stability of over 6000 hours without sealing
② Manufacturing Cost

Manufacturing Cost
 Competitor's face high
manufacturing costs due to the use
of expensive sealing films

Simple sealing reduces costs

Expected establishment date: FY 2026

Coating Technology
 Unestablished technology for neatly coating large-area films

Joint development of equipment with REIKO Co., Ltd.

 Power Conversion Efficiency
 Single-junction flexible PSCs reach up to 15% efficiency

Over 30% efficiency is possible in

tandem solar

FY2023 37 billion yen FY2040 2.4 trillion yen Growth potential

Global 100M yen 25,000 20,000 15,000 24,000 10,000 5,000 2032 2034 2035 2036 2035 2040 Year Estimate Forest Forest

Target market: Global, Domestic