

**245th Business Plan Presentations Held on March 14, 2023****YOXO BOX****1. AiCAN Inc. President Mr. Kota Takaoka** <https://www.aican-inc.com/> (Japanese)

Established in March 2020 Capital stock: USD \$ 61,500

Founded on the basis of a technology transfer from the National Institute of Advanced Industrial Science and Technology, AiCAN Inc. is an AIST venture that developed AiCAN, a system to support action against child abuse.

Since July 2020, this system has been introduced into six child consultation centers in Mie Prefecture. The company's staff is composed of experts including clinical psychologists with on-site experience and data scientists who have done studies and research in the field of child welfare. It is consequently characterized by a thorough knowledge of on-site issues.

The company's activities are hardly confined to system development, operation, and maintenance; it also provides one-stop services of escort-type support for app use, training, and work process improvement.

In February 2023, AiCAN won the Kanagawa Prefecture Governor's Award in the Kanagawa Business Audition. It is conducting proving tests in two municipalities at present, and is planning for system introduction in cities, wards, towns, and villages as well as related institutions (e.g., police departments, medical institutions, schools, kindergartens, nursery schools, and NPOs) going forward.

**【Re-Cap】** Mr. Takaoka said that he became concerned about the problem of child abuse after learning that many of the people who had committed crimes as children were of the same generation as he and that almost all of them had been abused in their early childhood. At present, the number of consultations about child abuse continues to increase, and investigation itself is becoming more difficult, with the result that action may end up depending on the skills of individuals. Mr. Takaoka said the AiCAN system was devised out of his desire to enable appropriate action at the requisite time, so that critical cases are not overlooked. He is seeking referrals to local governments and companies in related fields, in order to realize his vision of changing the world into one where all children will be safe.

**2. Malignant Tumor Treatment Technologies, Inc. President Mr. Toshiyasu Miyazaki**

<https://www.mt3.co.jp/en/>

Established in October 2017 Capital stock: USD \$ 1,800,000

Derived from marine organisms, Lavurchin is a substance that bolsters the oxygen effect in cancer treatment by raising the oxygen concentration within cancer tissue. Malignant Tumor Treatment Technologies is promoting its commercialization as a sensitizer for radiotherapy and enhancer for anti-cancer agents.

The company has developed technology for the artificial synthesis and mass production of Lavurchin. It is manufacturing it with a quality up to the pharmaceutical GMP standard and conducting clinical trials as a drug for use in animals. It has also completed application for Lavurchin under the regulations governing pharmaceutical affairs. It is currently making plans for the start of clinical trials conducted with human beings.

**【Re-Cap】** Through its development and provision of the world's first cancer therapy of its kind, Malignant Tumor Treatment Technologies is taking aim at the following three goals: 1) treatment that has no side effects and does not burden the patient, 2) treatment that is not painful and maintains the QOL, and 3) treatment that can cure previously incurable cancer. Marine organisms such as sea urchins and Gigartina tenella (a type of laver) have a high content of the substance Lavurchin. It was known that Lavurchin is not toxic to the human body and has no side effects. Previously, however, it could not be mass-produced and was qualitatively unstable. Malignant Tumor Treatment Technologies succeeded in artificially synthesizing it and making it capable of mass production.

**3. 3Stars Inc. President Mr. Kunihiro Kamei**

Established in February 2016 Capital stock: USD \$ 10,000

Mr. Kamei, the representative director and president of 3Stars Inc., was previously employed as a system engineer at a leading IT vendor. In this capacity, he supplied IT systems to numerous corporate clients ranging from firms of medium standing to large enterprises. He is therefore versed in in-house IT systems. In addition, since around 2005, he has been working on model-based reuse & development, for swift, low-cost, high-quality development of IT systems.

Following his founding of 3Stars in 2016, he set about providing services in IT management consultation and support for model-based information system requirement definition, design, and introduction, by applying his skills as a licensed IT coordinator and OMG unified modeling language (UML) professional. He also has experience in the construction of decision services for cloud-based service architecture, and drew on this and other expertise in making preparations for the launch of this new business.

As noted in the DX Report (2018), IT systems in Japan have become hypertrophied. There are currently an enormous quantity of outdated ones, and they are heading straight for the "2025 digital cliff." As a proposal for even a slight avoidance of this outcome, 3Stars is offering the platform ROWSE (working name) for component module reuse and model-based development resting on cloud-based service architecture. It intends to make a fully-fledged entry into business related to the design, development, and introduction of IT systems using this platform. As a first step, it is taking aim at service introduction among manufacturers of medium standing (with annual sales in the range of 10 - 50 billion yen), the field to which Mr. Kamei was assigned in his days with the aforementioned leading IT vendor.

**【Re-Cap】** In manufacturing (including that related to food products) and physical distribution (logistics), data management by computers has not been standardized. Each company developed its own system with a few engineers, using its own know-how and proprietary expertise. The reality is that the systems are apparently all different from each other as a result. There is a need for revision of these systems if companies are to be able to obtain new business information that was not anticipated at the time of their development. It would not be realistic to reconstruct all of the huge number of existing systems. In this connection, Mr. Kamei said that the company built systems by first modularizing them with a focus on data management and data processing rules, which are the bottleneck areas. The big data collected by the resulting modules are then sorted in terms of the user interface, process, and business diagnosis (AI-based forecasting and optimization models), for separate processing and management. In addition, the system is designed to enable extraction of information that can be put to effective use at each site.



**《Impressions》** This installment of the Business Plan Presentations meeting was held shortly after the relaxation of guidelines on the wearing of masks. The venue was filled virtually to capacity, and there was a lively exchange of business cards in the reception after the meeting. If you are interested in presenting, we would appreciate it if you could contact us as soon as possible.

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