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## **Notice Concerning the Co-development of Advanced Diagnosis and Treatment System for Social Implementation in an AI Hospital Initiative with Nihon Unisys**

ALBERT Inc. (hereafter “ALBERT”) announced in the press release *“Notice Concerning Capital and Business Alliance with Nihon Unisys, Ltd., and Stock Offering”* dated November 6, 2019, that ALBERT signed a capital and business alliance with Nihon Unisys, Ltd., (hereafter “Unisys”). At this time, ALBERT started co-development of an AI model which estimates the level of understanding of patients with Unisys for use in the Dr. Avatar informed consent support system as part of the second phase of the “Strategic Innovation program (SIP) of the Cabinet office” entitled “Advanced Diagnosis and Treatment System by AI (Artificial Intelligence) Hospital”.

### ***1. Co-development the AI system estimating understanding of patients by the using data from movies of explanations from doctors about their treatment policies***

Nihon Unisys, as a company aiming to enable further business growth and solve social issues by promoting business activities in their focal areas, is trying to become the core to create a business eco-system connecting variety of companies across every industry and business categories. And aiming to offer a platform for realizing digital transformation.

On the other hand, ALBERT provides solutions such as "AI utilization consulting," “Big data analysis” "AI algorithm construction and system development," as well as its own products and support for data scientist training as an AI development partner with industries and companies viewed toward AI implementation. In addition, since July 2018, ALBERT have been promoting the "CATALYST Strategy", and work toward the realization an AI-oriented and networked society by promoting utilization AI and data sharing among industries through AI algorithm development and big data analysis in our focus industries (Automotive, Manufacturing, Communications, Distribution & Infrastructure and Finance.).

“Advanced Diagnosis and Treatment System by AI (Artificial Intelligence) Hospital” is aiming to implement the system in society which will ensure the quality of medical care, control medical costs, and reduce the burden on medical personnel in a super-aging society and conducting R&D in assistance for treatment, communication support by using AI. The Dr. Avatar informed consent support system aims to improvement in patient’s understanding and satisfaction through replacement explanations of doctors by Dr. Avatar. And the system will also be a feedback system for doctor about the response of patients explained. The patient comprehension AI, which is being researched and developed through this collaboration, will serve to enhance feedback to doctors.

While data analysis and AI are expected to be utilized in the medical field, ethical, legal, and social issues (ELSI) are important for social implementation. In the development process, we will follow the Nihon Unisys Group's “AI ethics guidelines” and continue to discuss ELSI related to the provision of advanced analysis and statistical expertise skills with stakeholders.

ALBERT have been promoting the "CATALYST Strategy" through alliances with leading companies in Japan. Unisys and ALBERT will promote development the patient comprehension AI to utilize understanding estimation of patient for each scene, so that it can be widely used in the field by improving accuracy. In addition, we will promote the digitalization of medical care with a view to further utilizing data and AI, such as adding a function to select content based on the level of understanding, with the aim of increasing the value of the services we provide.

***(Related Releases)***

Launched a project for social implementation of "Advanced Diagnosis and Treatment System by AI (Artificial Intelligence) Hospital" in the second phase of the Strategic Innovation Program (SIP), Cabinet Office

[https://www.unisys.co.jp/news/nr\\_200610\\_aihospital.pdf](https://www.unisys.co.jp/news/nr_200610_aihospital.pdf)

(Japanese only)

The Dr. Avatar informed consent support system (National Center for Child Health and Development)

<https://ai-hospital.ncchd.go.jp/avatar/>

(Japanese only)

The Nihon Unisys Group AI Ethics Principles

[https://www.unisys.co.jp/e/randi/ai\\_ethics\\_principles\\_nihonunisys\\_group\\_e.pdf](https://www.unisys.co.jp/e/randi/ai_ethics_principles_nihonunisys_group_e.pdf)

***2. Outlook***

At this time, ALBERT assumes that the impact on our business performance for FY12/21 will be minimal. We will promptly announce any matters when there are any matters that need to be disclosed in the future.