

# Suncreer Co., Ltd.

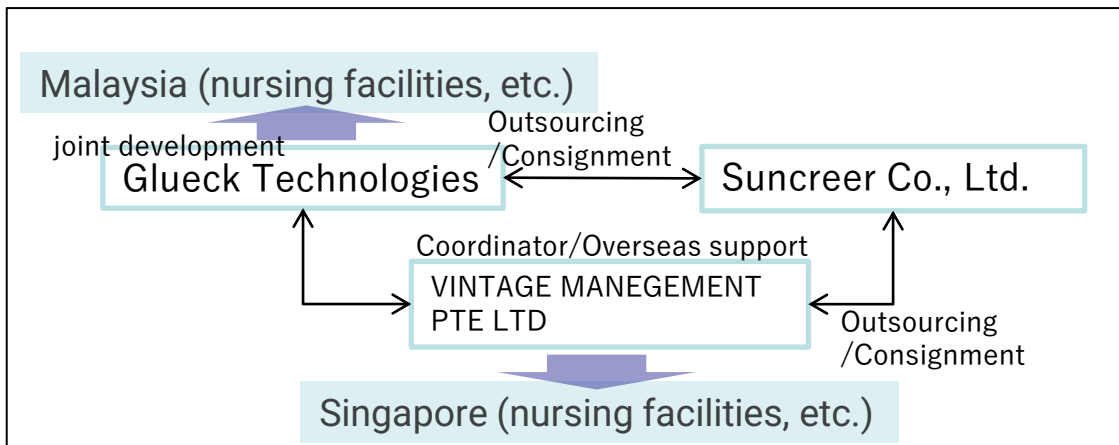
## Development and implementation of privacy-conscious high-precision monitoring using AI and non-contact sensing



### Objective of the project

Promote digital transformation (DX) in the nursing care sector in Malaysia and Singapore and provide "smartNexus(r)care," a privacy-conscious AI nursing care monitoring system. This aims to provide a comfortable living environment for the elderly utilizing ICT. The company will actively conduct demonstration tests of the elderly care monitoring system to confirm its effectiveness. The overall objective of the project is to boldly tackle issues in the nursing care field and support the lives of the elderly.

### Cooperation with local companies/governments

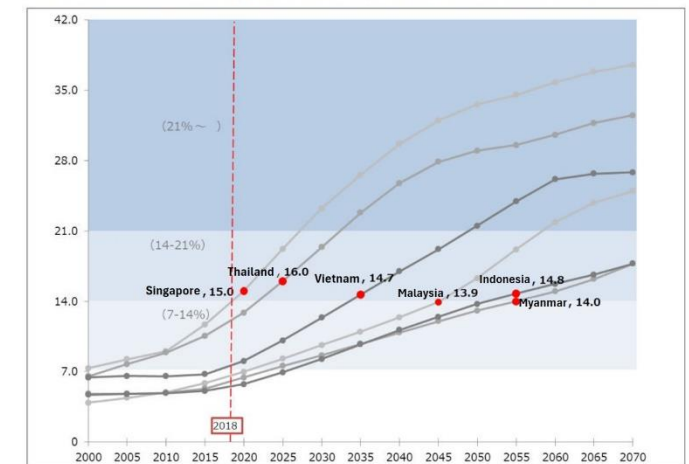


### Targeted economic/social issues

The number of elderly people in ASEAN countries is over 40 million, accounting for 7% of the population in 2021, and is expected to keep increasing at an average annual rate of 5% thereafter and to reach over 100 million by 2040. Singapore and Thailand have rapidly aging populations and are expected to enter the super-aged society around 2030. New approaches utilizing ICT are required to address the shortage of facilities and improve the quality of services, and nursing care monitoring systems and wearable devices for the elderly are attracting attention.

The introduction of new technologies and services is expected to improve the sense of security for the elderly and their families and to address the shortage of nursing care staff.

Trends in the Ratio of Elderly Population in Major ASEAN Countries (2000-2070, Unit: %)



Source : World Population Prospects: The 2017 Revision Prepared by Daiwa Institute of Research  
 Note: Excluding Brunei, the Philippines, Laos, and Cambodia.  
 English description created by Suncreer

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### Demonstration period

August 2023 – January 2024

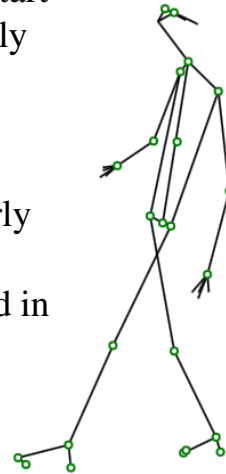
### Details of demonstration<sup>86</sup>

smartNexus(r)care uses the latest version of DeepStream and supports server computing (large scale start) and small scale start with edge computers. The system is flexible and can effectively adapt to new features and requirements, with the ability to implement six cameras on one edge computer.

The availability of more cameras has reduced the cost of implementation. Monitoring by wearable devices for the elderly is also expected to meet the demand for monitoring in private homes, and in large and small facilities, and the system is used in conjunction with cameras to monitor the health status and location of users by utilizing vital information and GPS.

Preparations are underway while complying with the communication laws of each country.

Through participation in exhibitions in Japan and sales activities in other ASEAN countries, the company has reaffirmed the need for DX in the nursing care field.



### Project outcome / Future plans

smartNexus(r)care has been completed with new features and high performance (first edition of DeepStream version) ready for future expansion. The schedule has been delayed due to redevelopment at the request of our counter partners, but we are currently negotiating with two candidate facilities for demonstration experiments. We have confirmed that there is a strong need for wearable devices for the elderly in Japan, Singapore, and Malaysia. Capital investment when introducing cameras and other equipment at nursing care facilities is an issue in terms of cost. The hurdles to introduce wearable devices are low, and if their effectiveness is confirmed through demonstration experiments, we can expect their widespread use at an accelerated pace. Our company is doing marketing in other countries including Vietnam, where wearable devices for the elderly also attracted a great deal of interest. In recent years, the number of small-scale facilities such as "day care services" has increased rapidly in ASEAN countries, indicating that the demand for them is increasing drastically. We will prioritize the market launch of wearable devices for the elderly, with a focus on small-scale facilities. Sales activities for monitoring by cameras will proceed in parallel. We are aiming to launch the service as soon as possible while promoting alliances with sales partners.

