

**Investment in S'UIMIN Inc., Developer and Provider of
Brain Wave Measuring Wearable Devices and Sleep Measurement Services**

NAGASE & CO., LTD. (Chuo-ku, Tokyo; Representative Director and President: Kenji Asakura) has made the decision to invest in S'UIMIN Inc. (Shibuya-ku, Tokyo; Representative Director and President: Masaaki Fujiwara), which provides a sleep measurement service using brain wave measuring wearable devices and AI technology.

S'UIMIN Inc. ("S'UIMIN") is a startup company out of the University of Tsukuba, established in 2017. S'UIMIN developed and provides a wearable device that measures brain waves, and InSomnograf®, a service that utilizes the data obtained from the wearable device, providing highly accurate visualized sleep condition reports using automatic AI analysis based on a unique algorithm. Sleep studies using brain waves are generally done using polysomnography (PSG), but PSG requires the subject to undergo uncomfortable testing conditions including sleeping with sensors and electrodes attached to their entire body, and also requires staying over at a hospital or test facility. Not only is PSG physically burdensome for test subjects, but it also requires manually analyzing the obtained data, thereby increasing workload for technicians. The wearable devices provided by S'UIMIN can be attached by the subjects themselves at home, while providing comparable measurements to existing PSG tests*1, and also reducing the data analysis related workload through automated analysis.

With this investment in S'UIMIN, NAGASE & CO., LTD. sees potential for use in product evaluation for makers of home appliances, beds, bedding, and food products, as well as for health management businesses for corporations, and will develop the B2B market.

As a "business designer that creates a sustainable future" beyond the bounds of "chemistry" or "a trading company," the NAGASE Group will contribute to a sustainable world where people live with peace of mind.

*1: In a study of 50 healthy subjects, simultaneous measurements were carried out with the brain wave wearable devices and PSG tests, and a comparison of the concordance rate over a set period of time for the PSG results of clinical technicians found an average concordance of 86.9%.

(Source) Abstract of the 46th Meeting of the Japanese Society of Sleep Research (September 2021): "Development of a home sleep brain wave measurement service and test results at a health facility" (Tetsuro Hiei, S'UIMIN Inc.), "AI automatic staging of sleep brain waves" (Kazumasa Horie, University of Tsukuba Center for Computational Sciences)



Measurement is possible by simply attaching the device to the forehead and behind the ears

■ Overview of S'UIMIN Inc.

(1) Company Name	S'UIMIN Inc.
(2) Head Office	Shibuya-ku, Tokyo
(3) Representative	Representative Director and President: Masaaki Fujiwara
(4) Established	October 17, 2017
(5) Business Overview	Wearable devices that measure brain waves for sleep analysis, and sleep measurement service utilizing AI automatic analysis
(6) URL	https://www.suimin.co.jp/

◆For Inquiries About This Press Release

NAGASE & CO., LTD. URL: <https://www.nagase.co.jp/english/>

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