

About Us

HippoScreen Neurotech Corp is a startup company established in 2019 by Compal Computer's direct investment in the research team and technology of Professor Yi-Hung Liu. The company uses brainwave signal processing and artificial intelligence technology as its core to develop medical products for the diagnosis and evaluation related to brain and mental health. Its self-developed electroencephalograph has obtained FDA/TFDA approval.



[Intro Video Clip](#)



Stress EEG Assessment (SEA) System

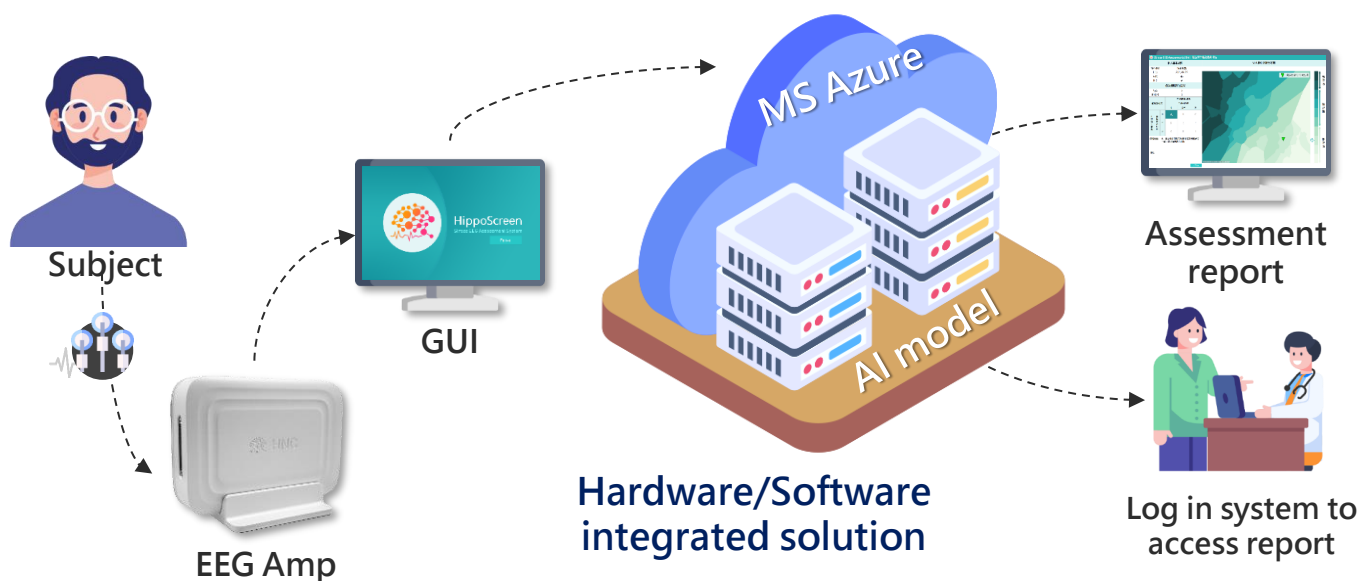


System Introduction

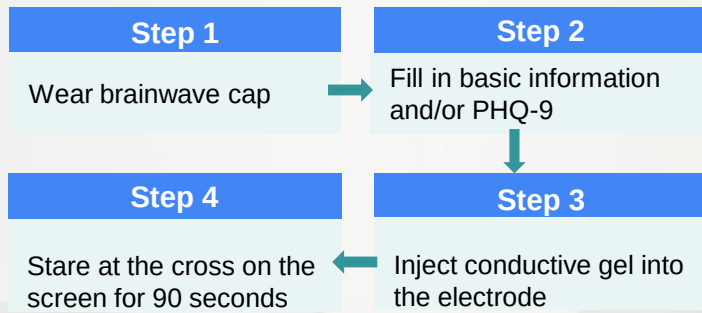
Stress EEG Assessment (SEA) System includes an EEG amplifier for data collection and signal processing, a GUI for test process control, and an AI algorithm for data analysis. Developed using depression EEG data collected through collaboration with three major medical centers in Taiwan, it achieves 84% accuracy, and the research result has been published in *Biosensors 2021*. It records 90-second brainwave signals to analyze with AI algorithm and generates the SEA Index (1-10) indicating the probability of Depression, is an ideal choice for objective screening in mental health facilitation. SEA has obtained TFDA clearance as Software as Medical Device (2023). It's now used in over 20 hospitals and clinics in Taiwan, also used in enterprises as Employee Assistance Programs.



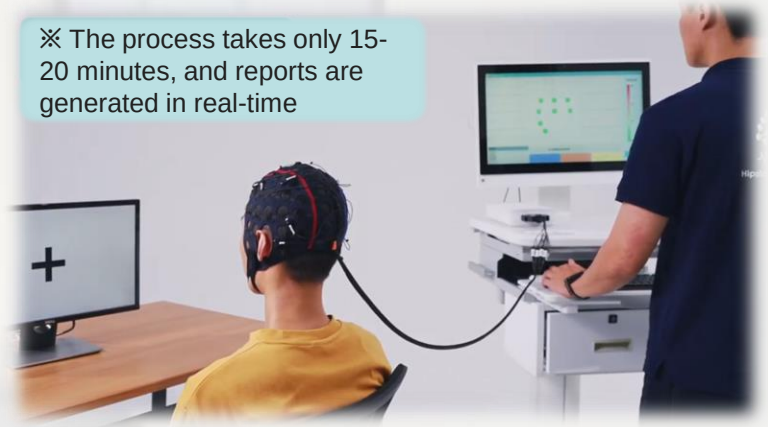
System Structure



SEA Process Flow



※ The process takes only 15-20 minutes, and reports are generated in real-time



SEA for whom ?

- People who feel stressed, have poor sleep quality, often feel tired or lack of energy, and have an upsurge or lack of appetite
- People who have been feeling low or depressed for the past month or two, or who are unable to find pleasure in things they are usually interested in
- Anyone who is concerned about their mental health and wants to learn more about themselves

Immediate results

Safe, no radiation, and non-invasive

Accuracy reaches 84%
Papers published

Assessment Report

Combined Grade Section

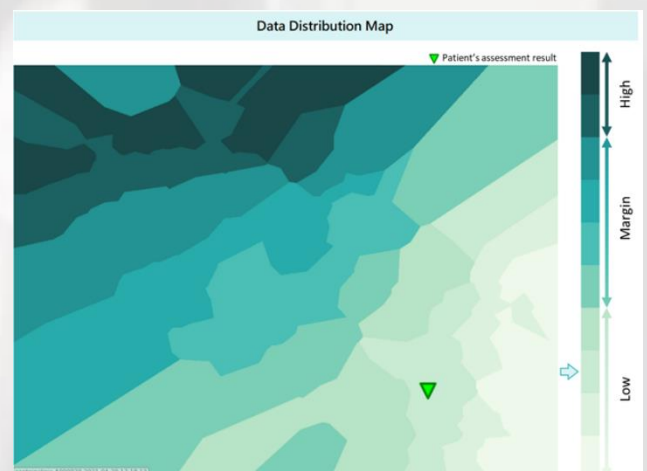
The objective SEA index by brainwave analysis, combined with the self-assessed PHQ-9 score, resulted in grades A to I.

The pink area is the high stress area.

SEA			3		
PHQ-9			3		
Comprehensive Assessment Result			SEA Index		
			Brainwave Analysis Result		
			Low	Margin	High
PHQ-9	Self Assessment Result	Low	A	B	C
		Medium	D	E	F
		High	G	H	I

Visual Map

The green ▼ represents your stress physical indicator. Darker colors represent brainwaves closer to those of high-stress individuals, while lighter colors represent brainwaves closer to those of healthy people.



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