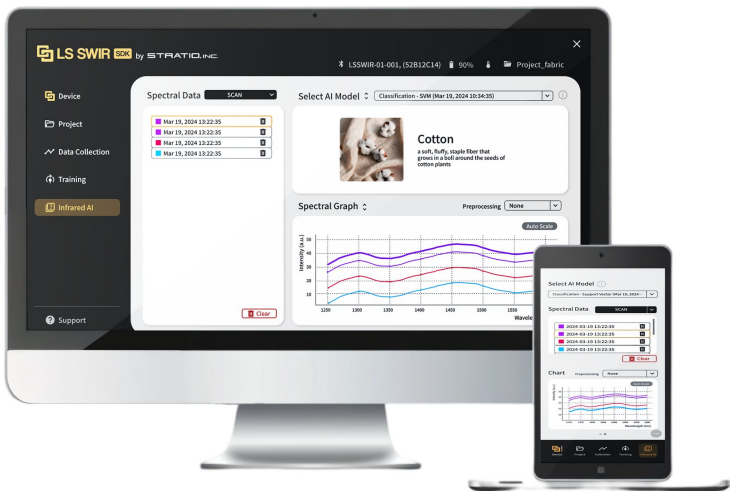


STRATIO unveils LS SWIR SDK to equip agriculture and food technology sectors with Infrared-AI solutions

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STRATIO, a deep-tech company operating between Silicon Valley and Seoul, officially launched its LS SWIR SDK with the world's first Germanium (Ge)-based short-wave infrared (SWIR) sensor.

This milestone furthers the company's vision "Advance Vision with Infrared-AI" a new way of seeing beyond human and conventional visible sensor limits.

Unlike traditional visible sensors, STRATIO's technology captures spectral information invisible to human eye. This breakthrough introduces a new kind of AI-Infrared-AI built entirely on signals unique to STRATIO's sensors.

JaeHyung James Lee, CEO of STRATIO, said, "Infrared-AI is not just another algorithm it's AI built on data that only we can create, and we believe it is a paradigm shift to Infrared-AI era. By combining our Ge SWIR technology with AI, we make the invisible visible enabling smarter, more sustainable decisions across industries."

From Waste to Worth the real-world impact of Infrared-AI

STRATIO's Infrared-AI Solution unifies sensor, data, and AI in a vertically integrated architecture, already redefining how industries see and manage the world around them:

In **sustainability**, the Infrared-AI Solution identifies black, contaminated, or composite plastics with over 95 % accuracy, raising recycled-material purity and drastically reducing time in sorting waste.

Within **smart appliances**, Infrared-AI can power devices to recognize materials and freshness on their own - optimizing energy use and extending product life.

In **agriculture and food technology**, Infrared-AI measures soil carbon, crop maturity, and food quality in real time, enabling sustainable, data-driven decisions.

Together, these applications embody STRATIO's philosophy of "From Waste to Worth" - using STRATIO's infrared technology beyond human vision to discover new value in what was once discarded or unseen.

LS SWIR SDK - making Infrared-AI accessible to everyone

The LS SWIR SDK is STRATIO's newest all-in-one Infrared-AI device, combining Ge-based SWIR sensing with built-in analysis software. Ready right out of the box, it lets users instantly capture and interpret invisible spectral data - no lab setup or deep technical expertise required. Compact, accurate, and easy to use, the SDK opens the door for innovators in sustainability, smart appliances, agriculture, and consumer electronics to explore infrared vision firsthand. With dual operations in Silicon Valley and Pangyo Techno Valley, STRATIO connects frontier R&D with advanced manufacturing to expand its Infrared-AI ecosystem worldwide.