Press release, embargoed until

Thursday 2nd October

9am CET/ 8am BST / 3 AM EDT / 12 AM PDT

TiHive raises €8M to power efficient, high-quality production of billions of products with Terahertz-AI

Grenoble, October 2nd, 2025. **TiHive, an industrial deeptech company specializing in real-time, non-destructive, see-through quality and process control on production lines, has raised €8 million from Karista, Wind, and the EIC Fund to accelerate its growth and expand internationally.**

Already adopted by several major industrial groups, TiHive's technology - which combines industrial-grade silicon-based terahertz imaging devices and artificial intelligence to enable real-time, non-destructive quality and process inspections directly on production lines - is now scaling globally.

This new round of funding will support the commercialisation of its patented industrial vision solutions, reinforce international deployment, particularly in hygiene, textiles, recycling, agriculture, and space industries, and accelerate R&D to develop a new generation of terahertz chips with extended frequencies and advanced AI features.

Backed by leading industrial and deeptech investors

Backed by support from the EIC Accelerator and Bpifrance, TiHive developed breakthrough Terahertz and AI-based inspection solutions - tested & validated by global leaders in the hygiene sector - and demonstrated strong industrial ROI. The company is now entering a new phase of international commercialization with a consortium of recognized deeptech and industrial investors.

The EIC Fund, TiHive's long-standing partner, is joined by Karista, a deeptech hardware specialist, and Wind, a €130 million article 9 fund focused on climate adaptation solutions.

"With this funding, we'll bring TiHive's technology to more hygiene production lines worldwide and expand into new markets. Our goal is clear: qualify billions of products annually, helping manufacturers deliver best quality to their customers, reduce costs and save resources at scale." **explains Hani Sherry, Founder & CEO of TiHive.**

Press contacts
UK/US: Helen O'Reilly- Durand – PR advisor: h.oreilly.durand@gmail.com / +33(0)6 24 362 21
France: Mary Grammont - DAILY RP:mary@daily-rp.com // 06 73 02 98 10

Absorbent Hygiene Industry: toward more sustainable and efficient production

Traditional solutions rely on sampling-based destructive methods to control quality and assess process stability. A pioneer in deploying industrial-grade terahertz systems at industrial scale, TiHive is reshaping quality and process inspection with its unique Terahertz-AI see-through solution that inspects all production in real-time and non-destructively.

"Too many products still ship unchecked, leading to dissatisfied customers, waste, inefficiencies, and avoidable costs. TiHive addresses this with terahertz-AI products and end-to-end support that integrate into existing processes and remain engaged until KPIs are achieved. Enabling better product quality, trust and reducing operational costs" said **Hani Sherry, Founder & CEO of TiHive.**

AI-powered, chip-scale technology

The systems are integrated directly on production lines and connected to the machines and to the cloud, measuring the quality and the process stability of thousands of products every minute.

Its technology relies on proprietary semiconductor chips capable of generating and detecting terahertz waves at very high speed (CMOS), paired with advanced THz optics and an AI-powered software platform. Terahertz waves are a safe part of the electromagnetic spectrum, offering see-through sensing and imaging capabilities that unlock a wide range of applications - from industrial quality control (hygiene, packaging, recycling, agriculture, textiles, ceramics, aerospace) to medical imaging and sensing, as well as ultra-fast and secure communications. By integrating terahertz technology on CMOS chips, TiHive enables miniaturization, scalable mass production, low energy consumption, and high-speed performance.

TiHive has already commercialized its multi-camera, multi-source systems designed to run at high speed in harsh industrial environments, enabling 100% inline, non-destructive inspection of every product. It's safe, innovative technology addresses industrial use cases that remain out of reach for existing inspection solutions.

Reducing waste and production downtime, improving product quality

Adopted by several leaders in the hygiene sector, TiHive's vision systems help reduce raw material overdosing, improve product quality, increase production lines efficiency, lower waste, and deliver significant economic and ecological savings.

→ **A single equipped production line of absorbent hygiene products can save up to 300 tons of super-absorbent polymers per year - the equivalent of 1,500 tons of CO_2 emissions avoided.**

Press contacts
UK/US: Helen O'Reilly- Durand – PR advisor: h.oreilly.durand@gmail.com / +33(0)6 24 362 21
France: Mary Grammont - DAILY RP:mary@daily-rp.com // 06 73 02 98 10

The company has also built the world's largest database dedicated to baby and adult diaper quality, analyzing millions of products every week, with the billion-product milestone expected following this funding round.

TiHive's technology not only boosts industrial performance, it also enhances the quality of everyday products like baby diapers and sanitary pads, while helping manufacturers reduce production costs and maximize machine uptime by detecting faults as soon as they happen.

A multi-market strategy for industrial quality control

After proving itself in absorbent hygiene industry, TiHive is now targeting new markets where non-destructive control is critical, against a backdrop of growing regulatory pressure:

- Textiles and leather: ensuring fiber and material quality, from technical fabrics to luxury goods.
- Recycling: detecting impurities and analyzing raw materials-purity, essential for reuse.
- Agriculture: quality inspection for seeds and crops during growth and after harvest.
- Aerospace and space: non-destructive verification of critical materials on earth or in Orbit.

"*TiHive's silicon and AI platform technology can easily adapt to diverse non-destructive inspection needs and quickly deliver value across industries, from hygiene and textiles to agriculture and aerospace. Our deep-tech is also opening space applications, including situational awareness (SSA) & debris detection, and in the future, fast communications (6G), thanks to its form factor, energy efficiency and versatility*." **Added Carlos Prada Co-founder and CIO of TiHive.**

TiHive's business model is built on an annual subscription that bundles equipment access with AI-powered analytics, monitoring services, and operational support.

Global ambition with a European industrial footprint

With deployments already in the Netherlands, the United States, Italy, and Greece, TiHive is expanding commercially with strong ambitions across Europe, Latin America, and Asia-Pacific. The company is also scaling its operations, with new hires planned in sales and marketing, customer support, as well as Teraherz IC and AI product development.

Staying true to its European industrial roots, TiHive produces, assembles and validates its systems in Europe, in line with its commitment to strengthening the continent's technological sovereignty.

***

Press contacts
UK/US: Helen O'Reilly- Durand – PR advisor: h.oreilly.durand@gmail.com / +33(0)6 24 362 21
France: Mary Grammont - DAILY RP:mary@daily-rp.com // 06 73 02 98 10

Some key figures:

→ Over **300 tons of raw materials saved per production line per year** thanks to TiHive - a major environmental impact. This is equivalent to **1,500 tons of CO_2 emissions avoided per year per production line**.

→ Nearly 1 billion products **analyzed by TiHive**, with many more in progress.

→ **Excess raw material costs** amount to approximately **$1 billion per year globally**.

Investor quotes:

EIC Fund:

"The EIC Fund is glad to continue our journey with TiHive. They combine deep tech expertise in terahertz-on-silicon, artificial intelligence, and big data analytics to enhance efficiency, sustainability, and Europe's strategic autonomy," explains ***Svetoslava Georgieva, Chair of the EIC Fund Board****.*

Karista:

"TiHive is a prime example of the deep tech projects Karista aims to support through Cosmi Capital: a truly disruptive technology delivering compelling benefits across a wide range of applications, in Space and beyond. Its products, which redefine what is possible, have the potential to revolutionize critical space technologies, from automated docking and space situational awareness to advanced data transmission.", ***Emmanuel Daugeras, Partner at Karista.***

Wind :

"We are impressed by TiHive's breakthrough and the maturity of its technology. By miniaturizing terahertz imaging on CMOS chips and coupling it with AI, TiHive has the potential to revolutionize industrial quality control, delivering significant productivity gains and also unlocking entirely new applications and markets where inspections were previously impossible. With its subscription model and fast ROI, the company provides strong and tangible value to its customers worldwide." **concludes Aurélie Nicolas, General Partner at Wind.**

Press contacts
UK/US: Helen O'Reilly- Durand – PR advisor: h.oreilly.durand@gmail.com / +33(0)6 24 362 21
France: Mary Grammont - DAILY RP:mary@daily-rp.com // 06 73 02 98 10

About:

TiHive: Founded in Grenoble in 2017 by Hani Sherry (CEO of TiHive, PhD in microelectronics and executive degrees in business and entrepreneurship) and Carlos Prada (CIO of TiHive, PhD in computer science, MBA in Finance, and executive degrees in business and entrepreneurship), TiHive designs industrial inspection solutions based on proprietary terahertz-on–silicon imaging and artificial intelligence.

This technology makes it possible to detect invisible features that conventional methods cannot see directly on production lines - internal defects, poor material distribution, residual moisture, or thickness deviations- and without destructive contact.

The result: more efficient processes, higher productivity, and reduced waste.

TiHive targets high-impact markets such as hygiene, textiles, agriculture, recycling, and space.

By helping manufacturers optimize the production of common goods (diapers, sanitary pads, etc.), TiHive contributes to delivering higher-quality products to consumers and high efficiency to manufacturers.

The company is backed by both public and private European investors and is currently deploying its technology at scale with major international industrial groups.

Founders: Hani Sherry & Carlos Prada
Current team: 14 people

The European Innovation Council Fund from the European Commission is a deep tech investor across all technologies. The EIC Fund aims to fill a critical financing gap, to support companies in the development and commercialization of disruptive technologies. With its large network of capital providers and strategic partners it shares risk and crowds in market players.

Karista is an independent innovation capital management company specializing in the areas of Spacetech, Security/Defence, Healthtech and Deeptech.

Since its inception in 2001, Karista has supported more than 100 start-ups in Europe and has generated sustained performance for its investors. As a strategic partner for entrepreneurs, Karista's team is recognized for its complementarity and network. Karista is a signatory to the Sista Charter on Gender Equality. www.karista.vc

Wind: (www.wind.capital) is an independent European venture capital firm created by entrepreneurs for entrepreneurs. With a track record of over 80 investments and 29 successful exits, Wind has established itself as a reference player in breakthrough innovation financing, from Pre-seed to Series A. Today, its focus lies on climate resilience, technological sovereignty, and strategic security. Its latest Article 9 fund, Wind II, backs pioneering deeptech startups supporting our sovereignty and adaptation to climate change. With a selective and mission-driven approach, Wind continues to support entrepreneurs and technologies shaping a more sustainable, sovereign, and competitive Europe.

Press contacts
UK/US: Helen O'Reilly- Durand – PR advisor: h.oreilly.durand@gmail.com / +33(0)6 24 362 21
France: Mary Grammont - DAILY RP:mary@daily-rp.com // 06 73 02 98 10