

Press Release ASYGN

Grenoble, France – December 2025

ColibryNPU : The world's first AI vision chip is about to revolutionize the way our devices see things

ColibryNPU is the first chip capable of giving everyday devices a true understanding of their environment through intelligent vision, while consuming almost no energy. It brings embedded AI to devices where it simply wasn't possible before. For decades, we have interacted with machines through keyboards, then touchscreens, then voice. The next generation of devices will understand their surroundings through vision. ColibryNPU is the chip making that leap possible.



Grenoble, France – ASYGN French deep-tech company will showcase its breakthrough ColibryNPU at CES 2026 in Las Vegas. It introduces a new era of AI vision at near-zero energy consumption. ColibryNPU will be showcased through live demos at the Venetian Expo (booth #60711).

For more than 18 years, ASYGN has specialized in making electronics for smart devices. Their chips give them the power to capture data about their environment, understand it and make that data easier to use. ColibryNPU pushes the limits by bringing AI directly to the edge. With ColibryNPU, the company brings embedded artificial intelligence directly into devices. It removes the need for cloud-based processing that often involves complex wiring, frequent battery maintenance, limited data privacy, and slower decision-making.

“We create chips that allow electronic devices to analyze and understand what they see,” explains Daniel Saïas, CEO of ASYGN. “Until now, that level of intelligence required power-hungry processors or constant connectivity. ColibryNPU delivers it locally, at a power level so low it redefines what’s possible.”

A Game-Changer for Integrators and OEMs

By enabling local AI vision at virtually zero energy, ColibryNPU lets manufacturers create the next generation of smart devices. To make it even easier for integrators to test and adopt our technology, ASYGN is launching a dedicated evaluation board. The board comes with Aidge SDK, providing a complete environment to explore ColibryNPU's capabilities in real devices.

Applications range from industrial monitoring and predictive maintenance to wearables, mobility systems, and smart-city infrastructure. “Energy efficiency isn’t just about being green, it’s about unlocking scale,” says Thomas Gillot, Business Developer at ASYGN. “With AI that runs on almost no power, you can embed intelligence everywhere, profitably and efficiently.”



AI Performance at a Fraction of the Power

ColibryNPU allows smart image sensing thanks to Edge AI processing in a single 7 mm² design. It consumes less than 1 milliwatt, over three times more efficient than current market leader. Combining a RISC-V processor with a patent-pending Neural Network Processing Accelerator, ColibryNPU stands as the most energy-efficient vision chip on the market. The result: smart devices that can see, understand, and react with years of battery autonomy.

See It at CES 2026

Visitors to ASYGN's booth #60711 at the Auvergne-Rhône-Alpes Pavilion (Venetian Expo) will experience ColibryNPU in action through live demo showing a device that performs advanced vision tasks while consuming virtually no energy.

About ASYGN

ASYGN is based in Grenoble, also known as the French Silicon Valley, and has specialized in ASIC design for over 18 years. The company designs analog and digital architectures that make electronic systems more efficient, precise, and energy-efficient. Across its four main activities: Inertial, RFID, RF, and AI. ASYGN offers both custom design services and products. Its technologies have been deployed in satellites, automotive systems, and industrial environments, combining aerospace-grade reliability with scalable commercial design.

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