



MOTTRONIX

QUANTUM MATERIAL FOR LOW POWER AI

PRESS RELEASE

Mottronix announces its success in the I-Lab competition

Nantes, October 1, 2026 – Mottronix announces that it is a winner of the 2026 I-Lab Innovation Competition.

Mottronix, a company based in Nantes, France, was founded to address two of the AI biggest challenges: the need for on-device AI computing (Edge-AI: phones, cars, robots, etc.), a market estimated to exceed \$35 billion by 2035, and the necessity to drastically reduce AI's energy consumption. By leveraging Mott insulators, an innovative quantum materials, Mottronix aims to create a new type of ultra-high-performance memory (the focus of the I-Lab funding) and components for a computing architecture that is radically different from today's processors, inspired by how the brain works. This unique technology promises energy consumption up to 10,000 times lower than current systems.

Laurent CARIO, CEO of Mottronix, states: " *We are extremely proud that, less than six months after the company was founded, we have been named a winner of the 2026 edition of the highly selective I-Lab innovation competition, funded as part of the France 2030 initiative. This recognition highlights the value of our technology based on quantum materials for low-power AI memory and computing, as well as its technological, industrial, and commercial relevance. This financial support will enable us to accelerate the development of pre-industrial demonstrators.* "

About Mottronix

Mottronix is a leader in the development of embedded memories and Edge-AI memories, enabling the integration of ultra-low-power AI systems in mobile phones, robots, and other edge devices. The company's vision is to overcome the limitations of the Von Neumann architecture by leveraging quantum materials (Mott insulators) to introduce the first memories dedicated to In-Memory Computing and neuromorphic chips. These innovations will push the boundaries of Edge AI while consuming up to 10,000 times less energy than conventional architectures. The company builds on 20 years of research conducted at the Institut des Matériaux de Nantes Jean Rouxel (IMN, a CNRS/Nantes Université laboratory), as well as an exclusive patent portfolio.

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