

Fact Sheet

About Efficient Computer

- Efficient Computer builds the world's most energy-efficient general-purpose processor.
- Our mission is to solve computing's energy challenge, so energy stops deciding what a device can do.
- Our first product, the Electron E1 general-purpose processor, is in production and shipping in volume to lead customers. It is built on the Fabric architecture, a spatial dataflow design that keeps data next to the compute that uses it.
- Developers program it in the C and C++ they already write, through the effcc Compiler, a drop-in replacement for GCC and Clang. LiteRT and ONNX models come in through an import step.
- Efficient Computer has raised \$176 million: a \$16 million seed led by Eclipse (June 2024), a \$60 million Series A led by Triatomic Capital (February 2026) and a \$100 million Series B led by TQ Ventures at a \$650 million valuation (September 2026), with Union Square Ventures, Giant Ventures, Eclipse and Triatomic participating.
- Brandon Lucia (CEO), Graham Gobieski (CTO) and Nathan Beckmann (Chief Architect) are co-founders. The company grew out of their research at Carnegie Mellon University.
 - Brandon Lucia is the Kavčić-Moura Professor of Electrical and Computer Engineering at Carnegie Mellon. His research spans dataflow architectures, energy-harvesting computers and computing in space, and has earned a Sloan Research Fellowship, an NSF CAREER Award and the Bell Labs Prize.
 - Graham Gobieski leads development of processors for the world's most energy-constrained devices. The company grew out of his PhD research at Carnegie Mellon, co-advised by Lucia and Beckmann, which produced the spatial dataflow architecture and tools it is built on.
 - Nathan Beckmann is Associate Professor of Computer Science at Carnegie Mellon, where he founded the CORGi research group. His work attacks the assumption that a computer must give up efficiency to stay general purpose, and has earned a Sloan Research Fellowship, an NSF CAREER Award and induction into the SIGMICRO Hall of Fame.

What sets Efficient Computer apart

- Processors have been built the same way for 80 years, and most of the energy they spend goes to moving data, not computing on it. The Fabric removes that cost and delivers 10x to 100x better energy efficiency than conventional processors on real-world workloads.
- It stays general purpose. Specialized AI accelerators build today's algorithms into silicon, so when AI changes, the part and its software age out together. The Fabric runs the whole application, inference and control alike, on one programmable part.
- No rewrites. Existing code compiles with a compiler swap. When a better model arrives, customers recompile and update the devices already in the field.
- One architecture at every scale, from a device on a coin cell toward the datacenter, with one programming model and one compiler.

Where the Electron E1 is going

- **Physical AI and autonomy.** On a drone, every watt spent on compute is a watt not keeping it in the air.
- **Critical infrastructure observability and industrial automation.** Analysis on the sensor means only conclusions are transmitted, so unattended nodes run for years on one battery.
- **Space and defense.** In orbit, every watt of compute is solar panel and radiator the spacecraft has to carry.
- **Wearables.** Always-on sensing in milliwatts separates a device that gets worn from one that needs a midday charge.

Recognition and partners

- Best of CES 2026, Embedded Computing Design (Electron E1); CES 2026 Picks Award, TechRadar Pro (Evaluation Kit); Data Tech Startup of the Year, 2026 Data Breakthrough Awards. Partners: GlobalFoundries (manufacturing, 2024) and BrightAI (first announced customer integration, 2025).

Efficient Computer is headquartered in Pittsburgh, Pennsylvania, with offices in San Jose, California, and Austin, Texas. Open roles and the engineering blog are at efficient.computer. Free browser tools for the Electron E1 are at labs.efficient.computer. Media contact: Racepoint Global, efficient.computer@racepointglobal.com

Boilerplate

Efficient Computer is building the world's most energy-efficient general-purpose processor by combining ultra-efficient hardware with intuitive, developer-friendly software. This approach delivers extreme efficiency across a wide range of applications, from physical AI in infrastructure and automation, to space and defense, to consumer and industrial wearables. Efficient's Fabric architecture scales seamlessly from tiny, "beyond the edge" devices to the edge, and all the way to the data center, enabling widespread adoption across industries and positioning Efficient as the solution to computing's energy challenge. For more information about the company, please visit <https://efficient.computer>.

