



FOR IMMEDIATE RELEASE: September 8, 2025

INTRODUCING THIRD-GENERATION SOLAR

1st Avenue Power Unveils the First Fully Integrated Clean Power System of the AI Era

Twice the energy. More reliable than the grid. Gigawatt-scale capacity in under a year.

LOS ANGELES, CA — In a defining moment for energy infrastructure, 1st Avenue Power (1AP) unveils a radical new clean power solution: a modular, rapidly deployable, fully integrated system engineered to meet the explosive energy demands of the AI era. As the grid buckles under the weight of modern computing, **1st Avenue Power introduces what the market has never seen: dispatchable, firm, cyber-secure, clean energy systems that can go live in months—not years—and scale to gigawatt capacity.**

Hyperfirm™ Power: Dispatchable. Dense. Unmatched.

1st Avenue Power's proprietary Hyperfirm™ system architecture **combines solar generation, advanced storage, and AI-optimized controls into a single, integrated platform**—delivering clean energy with greater reliability than the grid and unprecedented control. Through breakthroughs in solar deployment density and proprietary energy storage and power systems, Hyperfirm™ systems produce up to **twice the usable energy per acre** of traditional solar. This makes it the **fastest, most cost-effective clean power solution** on the market today.

Power systems pioneer Dr. Tom Buttgenbach launched 1st Avenue Power to do what no one else has: deliver **dispatchable, firm, low-cost, cyber-secure power systems** that can be deployed at speed. “Unlike any other generation technology, our industry is made up of specialized component manufacturers that are assembled on-site by construction companies,” said Buttgenbach, founder of 1st Avenue Capital and former CEO of Avantus and 8minute Solar. **“We’re designing and building fully integrated systems.** That’s how we get the system performance that the next generation of power infrastructure demands.”

Buttgenbach brings an unmatched track record through his leadership of 8minute Energy and Avantus: **30 GW of solar and 90 GWh of storage developed**—enough to power 20 million U.S. homes day and night—over \$10 billion in financing and power purchase agreements secured, and the **first U.S. solar project to undercut fossil fuels on price.** He led the development of the first gigawatt scale powerplant for a U.S.-based hyperscaler that commenced operation in June 2025.

See: www.1ap.com. [Media Packet](#). **Contact:** Aimée Christensen | info@christensenglobal.com | 208-721-8619

1st Avenue Power Fact Sheet

Founding Leadership Team

- **Dr. Tom Buttgenbach, CEO** – 30 GW solar + 90 GWh storage delivered; \$10B+ in financing; built first U.S. solar project to beat fossil fuel costs; Ph.D. in Physics (Caltech).
- **Kip Larson, CTO** – Former CTO at Avantus and executive technology leader at AWS and Amazon with deep experience in AI and industrial controls..
- **Drew Lowe, VP Operations** – Former Apple, SiriusXM, and Disney operations executive with experience in multi-gigawatt data infrastructure.
- **Dr. Finbar Sheehy, VP Technology** – Former head of Technology at Avantus and industry expert, former AB Bernstein equities analyst.
- **Greg McPheeters, VP Product Development** – Product designer formerly with REC Solar and SnapNrack with experience in design and installation of complete turnkey solar electric systems.
- **Alex Turek, VP Software Engineering** – Software engineering leader at Avantus, Amazon, and Convoy; with deep experience in energy markets and software.
- **Executive Advisors:** Joe Inzerillo, Blair LaCorte, Jordan Greene.

Technology Innovations

- **Hyperfirm™ Systems** – Always-on, firm and dispatchable clean energy by integrating solar, advanced storage, and AI optimization.
- **Gemini™ Architecture** – Modular, high-density solar+storage power plants engineered for up to 2x firm energy output per acre, with full dispatchability.
- **NatureMount™**: Rapidly-deployable, terrain-following, solar array technology that enables double-density solar.
- **Blackbird™ Power Systems** – Solid-state, turnkey, modular systems designed for 100x higher reliability than conventional grid/thermal generation.
- **AI-Driven Optimization** – End-to-end predictive analytics for system efficiency, cost savings, and revenue optimization.
- **Rapid Deployment** – Gigawatt-scale projects rolled out in months, not years — more than 3x faster than conventional builds.

Company Overview

- **Founded by:** Dr. Tom Buttgenbach, power systems pioneer and founder and former CEO of Avantus/8minute Solar.
- **Mission:** We deliver rapidly deployable power systems that generate Hyperfirm™ and inexpensive clean power leveraging the abundance of solar to liberate energy-constrained businesses and communities around the world.
- **Approach:** Proprietary solar + storage architectures enhanced by AI-optimized software for reliable, dispatchable, low-cost, modular power.

Learn more: www.1ap.com