OVANOVA ENERGY ™

"AMERICA'S ENERGY TEAM"

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Patent-Pending for PETs ™: application #63/798,619

Patent Applications for other offerings to be filed soon.

PROBLEM

1.

We can't access enough power when and where it's needed to meet our nation's surging electricity demands.

2.

Current solutions don't have DC coupled generators, V2X when grid tied, cyber-security, adaptive controls, and aren't are American-made.

SOLUTION

Build capable, secure, connected, smart distributed energy resources in America

We are the **only company in America** with the full-stack market and technical knowledge gained over a decade of designing, deploying, and maximizing resilient energy systems in **28 states; interconnected with 60+ utility companies**.

We know what needs to be built because we've worked with all the current solution providers (enphase, sol-ark, EG4, SolarEdge, Tesla, Point Guard, etc.) and found their offerings lacking.

We understand the needs of all parties the technology impacts–the system owners, the installers, the financiers, the utility companies, and the electric grid. Others focus on partial solutions for short term ROI, we create integrated solutions for long term national energy resilience omniwin.

COMPANY OVERVIEW

- **OVANOVA**
- Founders have worked together since 2005 and have had successful exits from previous businesses (direct sales and insurance).
- Focus: Turning real-world knowledge of market needs from a **decade of resilient energy leadership** into the hardware and software needed to **securely scale distributed energy resources**.
- Location: 607 Sawmill Rd W, Cedar Grove, NC 27231
- Founding Date: 2025
- **Raised ~$500k so far and have self-invested over $2M to date**
- Hardware: **Secure communications, and National Energy Resilience Device.**
- Software: AI-enabled monitoring, forecasting, and distributed energy management software.

BUSINESS PROPOSITION

HOW WE WILL MAKE MONEY

MANUFACTURING AND SELLING:

1. Secure Compute

Forecasting and adaptive controls (9 CVE's awarded by U.S. gov. for cybersecurity paper, presented at DefCon 33 we co-authored)

2. U.S. made bidirectional hybrid inverter

unlocks V2X and generators to provide max grid support, and is designed to maximize graphene supercapacitor storage technology

SOFTWARE LICENSING:

1. Microgrid Monitoring, already creating monthly recurring revenue from 20 year contracts.

2. Microgrid Maximizing Secure Distributed Energy Resource Management Software which creates energy arbitrage earnings and shared savings from avoiding infrastructure upgrade costs and delays.

BUSINESS PROPOSITION, cont.

STEPS TOWARDS POSITIVE CASH FLOW:

1. Increasing the quantity and value of our IP by executing already in place contracts to develop our hardware and software further.

2. Recognizing the value from our 19 and growing monitoring contracts for projects deployed by our pre-existing companies

BUSINESS PROPOSITION, cont.

We will grow by creating the **most valuable full-stack distributed energy resource solution made in America**, using it ourselves for the projects installed by our sales and construction companies, perfect it, and then let people line up to buy it.

This will be regenerative, because we invested the last ten years creating blueprints for designing, deploying and maximizing microgrids in **twenty-eight states** interconnected with **over sixty utility companies** and have a **reputation for doing quality work and solving challenging problems** by executing innovative strategies.

Our unique approach has created a **first-mover advantage** in regions with the **greatest need for grid support** services and the fewest options to connect with trustworthy sources who can provide them.

BUSINESS PROPOSITION, cont.

We believe in collaborating with competent partners who operate with a **sense of urgency**.

As part of the $2M we've self-invested into this initiative, we have an **AWS-supported contract** already being executed with expert software development partner **Comm-It** to integrate AI and edge compute capabilities into our smart microgrid control software.

We have an in-place agreement with the **100 year-old DoD hardware and firmware engineering and manufacturing firm** **Kform** to build our secure comms hardware and National Energy Resilience Device (NERD), that will be executed as soon as we're funded.

MANAGEMENT TEAM

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STRATEGIC PARTNERS

COMMIT

Kform

BC SECURITY

PRODUCT/SERVICE

Our suite of integrated solutions meets market needs by combining all necessary components of a microgrid into the same ecosystem. Currently, in order to put together a complete solution, we have to stick a bunch of different manufacturers pieces together.

Our market validation and testing has been done over the last decade of designing, deploying, and maximizing microgrids in 28 states with over 60 utility companies.

Our NERD (National Energy Resilience Device) will be the **first Dual-Use U.S.-Made Hybrid Bidirectional Inverter Charger with built-in Microgrid Integration Device and smart controls.** It meets market needs by being storage centric and powerful enough to meet facility needs plus have enough power and sophistication to offer voltage and amperage regulation services to grid operators. Current Phase: Contract in place to begin developing immediately upon funding.

Our **Grid Guardian AI** (Secure smart control software) is software for integrating distributed energy resources with legacy grid resources intelligently and securely to maximize the value of emerging real time energy markets. Current Phase: MVP.

Major Development Risk: Shifting regulations or geopolitical conflict affecting availability of capable power electronics equipment prior to manufacturing our own.

BARRIERS TO ENTRY

1. **Manufacturing of Power Electronics is massively underdeveloped in the U.S.** We know what everyone wants, and what tech it will take to create it. It's just not made here–yet.

2. Customers, when properly educated, are willing to change, as our results show. The pending **national energy shortages** and **spiking prices** will accelerate the willingness and perceived affordability of changing.

3. **Other companies are addressing these customers with partial solutions** using technology built for last decade's focus (climate) instead of this decade's possibility (climate + resiliency).

4. **A customer cannot solve this problem alone.** Their only current options are solutions which will disappoint and limit their ability to contribute to the moment at hand due to the **technical constraints of the currently available equipment.**

5. Our products are better because they are built from a **holistic understanding of market needs** and deep technical merit.

6. There are **no competitors in the market** implementing secure, scalable solutions built to integrate all available energy assets seamlessly, our solution set will.

BARRIERS TO COMPETITION

1. **Security:** Others are willing to build and deploy systems without security being fundamental. If it's not secure, it's not scalable. It's expensive and technologically inefficient to retrofit insecure systems. Our solutions are secure.

2. **Scientific Walls:** Others are using last-decade's technology to try and solve this decade's problems. Our tech creates blue ocean opportunities for **V2X and generator integration on a common dc bus** to provide maximum grid support and real time energy market earnings.

3. **Advantages in the marketplace:** NERD will meet all shake and vibration testing and EMP hardening required to qualify as a dual-use military technology.

4. **Mid-and long term supply chain** interruption advantage by focusing on non-adversarial supply chains threatened by geopolitics and a commitment to U.S. Manufacturing.

5. **Production Advantage:** Relationship in place to use N.C. Native American free trade zone for manufacturing once NERD is ready for mass manufacturing.

6. Our final remaining barriers from creating a full-stack suite of solutions are **capital and time**.

SWOT/ANTI SWOT

STRENGTHS: Our solutions were created from **integrated knowledge gained from doing real work** and gaining a deep technical understanding of the disappointment caused by implementing the currently available partial solutions manufactured by others.

WEAKNESSES: We are **pioneers**, and will face all challenges faced by pioneering endeavors. For instance, complete solutions are often viewed as “trying to do too much” by basic investors. In order to create a true solution to scaling resilient energy solutions, we have to offer a complete solution.

OPPORTUNITY: To create the power electronics hardware and software needed to maximize every available tool we can use (V2X, generators, adaptive smart controls) to solve our **national energy emergency.**

THREATS: We have scoured the world for an integrated set of power electronics, and there is nothing available. So the threat is how fast we can develop our solutions and bring them to market, which at this point is only about capital access.

MARKET OPPORTUNITY

The global microgrid market is **projected to be $224.34 billion by 2030*.**

The need in the market is for a **full-stack, secure, U.S. made** suite of power electronics hardware and software to **provide power to protect people and guard the grid.**

Our NERD is different because it is the first device that allows for **seamless Adaptive Integration of multiple power sources:** solar, **next generation** stationary storage, **EV discharging**, and **generators** that can operate when the grid is present. Combined, this creates unparalleled access to firm power. It is being developed as a **dual-use technology** and is what is needed to maximize the value of the microgrid market.

**Source: https://www.grandviewresearch.com/industry-analysis/microgrid-market*

MARKETING AND SALES

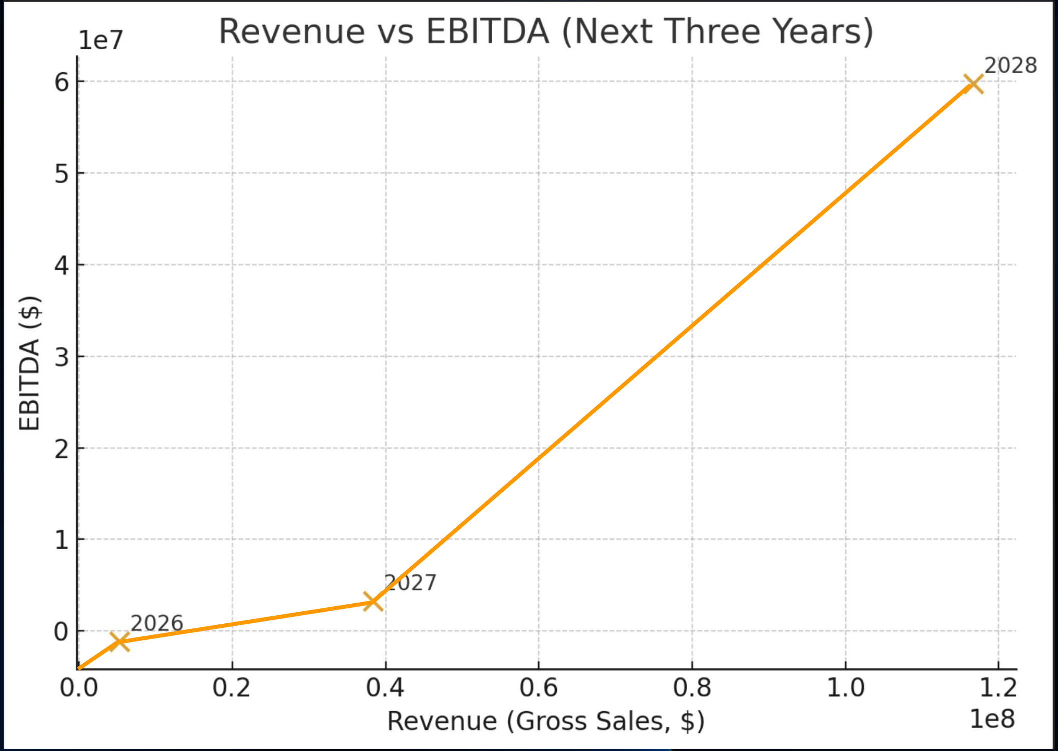
We will partner with Ovanova, Inc. and Ovanova Gives 501(c)(3) to enroll communities into the possibility of energy resilience by creating content to inspire and the blueprints needed to deploy and maximize microgrids.

We have **pre-existing relationships** in **rural communities** to set up 11 pilot projects which will allow us to sell to and through local power providers.

We have **pre-existing relationships** with **distributors** who would love to have access to secure, U.S.-made microgrid equipment that was designed as a solution to a real problem (energy resilience), not as a solution to “how fast can we race to the bottom.”

Our leadership team has **over thirty years’ of sales and leadership experience** developing new markets prior to beginning our resilient energy careers.

PROJECTED FINANCIALS



REQUESTED FINANCING

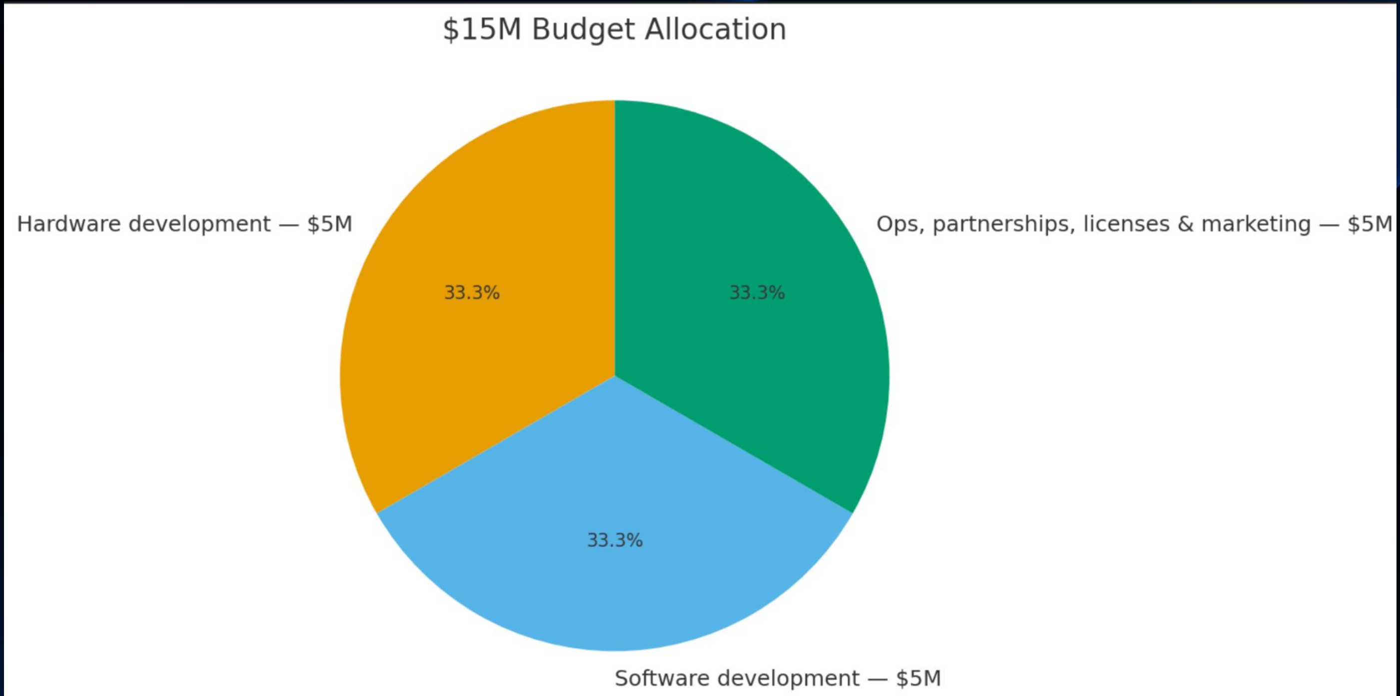
$15M SAFE/20% Discount/$150M CAP

10% equity available to recruit key executives

The founders have **self-invested ~$2 million** over the last 2 years and **placed all IP from the last 10 years** into Ovanova Energy ™.

Investors have liquidity through the Equity Shift platform's ability to sell privately traded companies by 2027, and through **anticipated Ovanova Energy ™ IPO in 2029.**

ANTICIPATED USE OF FUNDS



(Click chart for detailed planned use of funds)

EXIT STRATEGY

2025: SAFE 20% discount, $150MM valuation cap
2027: First Priced Round (mass scale manufacturing)
2029: Stock buyback, strategic acquisition or IPO

Mission based company that will create liquidity via strategic capital access and through the **Equity Shift** platform until liquidity event in 2029.

SUMMARY

Invest in us because we have **designed**, **deployed**, and are **currently maximizing microgrid projects in 28 states**. The hardware and software we will produce with your investment is exactly what our country needs to solve our **national energy emergency**. Solving big problems, yields big rewards.

This is an exciting investment because investors will be able to capitalize on the last decade of our energy team's experience just as AI begins to threaten the energy security of the average American. **We offer real resilience and that is priceless.**

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