

News

Next Generation Geothermal and Reclaimed Heat Technology!

COMPANY PROFILE

Berken Energy has developed energy producing thin form factor devices that use several highly innovative Patented as well as Patent - Pending technologies. These technologies allow Berken Energy to produce highly reliable and long lasting **Thermo-Voltaic (TV)** components that are engineered to produce

- **Berken Infra-Red Collection (BRIC)** our unique Infra-Red collection system allows maximum power output in locations where only heat is available. So direct sunlight is now – optional. Works in walls, roofing, attic's, or even beneath asphalt/concrete. The World just got better; and more powerful with the BRIC. Makes one wonder or even re-think the value and need of Solar/Photovoltaic (especially by itself).
- **Reclaimed Thermo-Voltaic (RTV)** utilizing Berken's energy conversion systems to produce electricity using waste heat derived from a variety of existing processes, ie.. liquid, gas or air
- **Photo Thermo-Voltaic (PTV)** applications designed to collect light and transfer it into electricity with a photovoltaic cell, then use the waste heat to generate additional electricity utilizing the Thermo-Voltaic stack, and
- **Geo Thermo-Voltaic (GTV)** technology that can be easily adapted for use with heat sources like the earth's hot rock as the source of energy.

These applications establish new industry benchmarks for lower cost per watt and higher efficiency.

TECHNOLOGY UPDATE

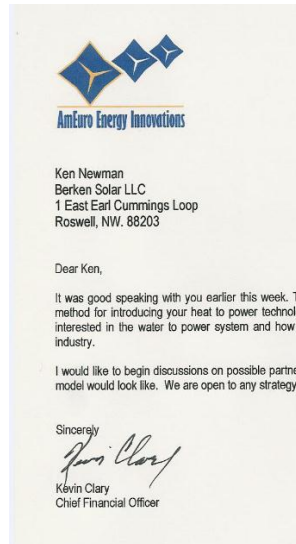
- **24x7 Electric Baseload Generation**
- **Low to Mid Temperature Requirement of 120° F up to in excess of 500° F**
- **Works in all 50 United States and Globally**
- **Key Applications include data center, industrial waste heat, low temperature Geothermal, and utility-grade electric generation.**

Berken Energy has completed its heat exchanger demonstration unit at their manufacturing facility in NM. Heat is thus transferred from the warm fluid to the colder fluid via the thin stainless steel plate. The turbulent flow provides high heat transfer efficiency, making the plate heat exchanger very compact compared with the traditional exchangers. Generally it offers the best solution to heating and cooling applications since it can better handle the widest pressure and temperature limits.

STRATEGIC PARTNERS MOVE FORWARD

Berken Energy has solidified agreements with key strategic partners along with engagement letters that solidify joint project development and implementation of Berken's technology into both new and existing "built" environments. Key partners have stated that, **"It's clear to us that we have a number of clients and current projects that may be a good fit for a full up installation."** Some of the most recent strategic partners who have made key commitments to Berken include:

- Deerns America** - Berken Energy has retained Deerns (In the field of electrical, mechanical and energy engineering solutions and building physics, Deerns is one of the largest independent consultancy firms out of the Netherlands. With offices in the Netherlands, Germany, Dubai, China, Spain and the United States, Deerns is internationally a trend setting company) to assist us on the design and install.



Trautman/Shreve, Deerns, and Berken Energy have teamed-up to begin delivering solutions for the largest Green Data Center in Europe (Lockerbie, Scotland)

- SAIC - Science Application Industrial Corporation** - A Fortune 500 company with over 42,000 employees has formed a Joint Alliance with Berken Energy to further develop and distribute our RTV (Reclaimed Thermo-Voltaic) exchangers within their solutions groups. This strategic alliance with Berken Energy, will propel our paradigm changing technology for the power industry to the next level, and will bring to market a technology/product that has a number of outstanding benefits. This strategic alliance is intent on having its systems provide different entities with a substantial amount of in house generated electric power, more than available from any other alternative energy source.
- Xcel Energy** (One of the 10 Largest Electric Companies in the USA) has identified a waste-heat application in Colorado and has laid out the benchmarks of the project with Berken Energy products to deliver solutions.
- Lockheed Martin Corporation** –Technology Ventures Corporation (TVC) was founded in 1993 by Lockheed Martin Corporation as a non-profit, charitable foundation, which is funded in part by the United States Department of Energy, to commercialize technologies and create jobs. TVC serves as a facilitator, helping entrepreneurs develop business cases around technologies and finding investors from across the country to fund business formations and expansions. Berken Energy has been invited to participate in this process as Lockheed Martin's TVC has found the technology of significant value and a game changer within the industry and has committed an entire team to package Berken Energy for strategic investment.

FUNDING SOUGHT

Berken Energy is looking to raise order fulfillment funding

USE OF PROCEEDS

Manufacturing Equipment
Facilities Expansion
Order Fulfillment – Berken currently has multiple-
orders for 57MWp total

Project development – joint investment strategy
R&D
Personnel – Operations – GM – Sales and Marketing –
Manufacturing Staff – Fulfillment

INVESTOR ROI

Investor Makeup: Current Founders, Angel, Seed (5 entities total)

Assets: \$3M

Valuation today: \$50M (Pre-Revenue)

Money Sought/Timeline: 60-90 Days

ROI: 10-15X+ (based upon market analysis/experience)

Options: M&A, IPO

Timeline: 2.5 to 3 Years

Investment Scenario: A \$1MM investment may produce a \$10-15MM Return!

(subject to fair market conditions and based upon market analysis/experience)

Next for the New Decade for Berken Energy!

Berken Energy is excited about the prospects of the New Year/Decade. Berken Energy will be bringing our Manufacturing to full operations and begin delivering one of the most compelling technologies of the 21st Century.

Berken's mission and fundamental values are to:

- Retro-fit its manufacturing facilities into existing space and grow
- Provide complimentary products to existing and new businesses in geothermal and in industries where reclaimed waste heat technology is vital to producing electricity
- Work within the community, high schools, colleges, to create additional jobs (200 over 4 years)
- Be an active participant in the community
- Engage and develop business opportunities with strategic partners in the region and across the Globe which ultimately leads to additional jobs, business sustainability, and ultimately an intertwined business ecosystem

We are very enthused about the prospects to come for all of us!

Best Regards,

Ken Newman

President

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