

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

 #PHEnergyTech

APRIL 8, 2015
ACADEMY OF NATURAL SCIENCES
1900 BENJAMIN FRANKLIN PARKWAY
PHILADELPHIA, PA 19103

Pepper Hamilton LLP
Attorneys at Law

 Cleantech Alliance
Mid-Atlantic



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We'll help energize you. Every step of the way.

For the planning, development and management of every kind of energy facility or project – from concept to completion – look no further than Pepper.

Our strong corporate, transactional, business and regulatory background and our high-level experience working in and with federal and state agencies, energy commissions and authorities means we can handle your needs in M&A transactions, joint ventures, real estate and project finance matters, ownership structures and governance, and everything in between. In short, our interdisciplinary approach means we can provide you with the gamut of effective, efficient and comprehensive business counseling.

We handle all aspects of energy projects, including:

- corporate and financial structuring
- engineering, procurement and construction (EPC) agreements
- environmental permitting and compliance
- grant applications and agreements
- intellectual property
- land-use approvals
- net metering, virtual net metering, and interconnection
- power purchase agreements
- project leases and other real estate transactions
- purchases and sales of biomass, scrap, and waste material for use as fuel
- purchases and sales of renewable energy credits
- solar access rights
- tax advice and counseling on tax incentives.
- energy related M&A and energy related fund formation

We'll help you get started – or move ahead – today!

CONTACT US!

Thomas P. Dwyer, Co-Chair, Energy Group
215.981.4603 | dwyert@pepperlaw.com

Marc D. Machlin, Co-Chair, Energy Group
202.220.1439 | machlinm@pepperlaw.com



Navigating Issues with Experience

We assist our energy-industry clients in:

- coal mining and other natural resources extraction
- electricity production, transmission and distribution
- energy efficiency and conservation
- energy litigation
- energy technology
- energy-related reorganization
- federal and state energy regulation
- heating and steam supply
- oil and gas exploration, production, refining and marketing
- pipeline project development
- establishing power marketing firms and regional power pools
- renewable energy projects – solar, wind, biomass, waste-to-energy, and cogeneration
- retail and industrial purchase and sale of energy
- sustainability, cleantech and climate change issues.

TITANOBOA

MONSTER SNAKE



Deep underground in a Colombian coal mine, scientists have uncovered remains of the largest snake in the world, *Titanoboa cerrejonensis*.

- Stand eye-to-eye with a full-scale model of this massive predator.
- Crawl through the *Titanoboa* Challenge
- See live snakes
- Check out authentic snake specimens



This exhibition is organized by the Smithsonian Institution Traveling Exhibition Service in collaboration with the Smithsonian Tropical Research Institute, Smithsonian Channel, the Florida Museum of Natural History, and the University of Nebraska-Lincoln.

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**THE ACADEMY
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7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Welcome

April 8, 2015

On behalf of Pepper Hamilton LLP's Energy and Emerging Company Groups, Cleantech Alliance Mid-Atlantic, this year's planning committee and our sponsors, welcome to the 7th Annual Mid-Atlantic Energy Technology Forum.

We are pleased to once again gather this community together for thought-provoking discussions from experts and thought leaders on trends in venture and corporate investment in energy technologies, as well as a showcase of leading-edge Mid-Atlantic energy companies.

Here are some of the highlights of this year's event:

- You'll hear from our investor panel on what the strategic and financial environment is looking like and what they expect in 2015 and beyond. This panel includes experienced investors who are focused on the energy space:

Snehal Desai, Global Business Director, Dow Water & Process Solutions

Sam Gabbita, Managing Director, Element Partners

Joseph Slamm, Partner, Hudson Clean Energy

Cory Steffek, Managing Director of North American Venture Capital, Saudi Aramco Energy Ventures

- Following the investment panel is the company showcase. We've assembled five interesting and diverse energy technology companies to present to our Forum:

echoMESH, LLC (Energy Management)

Go Green Global Technologies Corp. (Water and Fuel Technology)

NavPort, LLC (Data Analytics, Unconventional Oil & Gas)

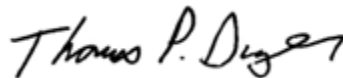
PetroMar Technologies, Inc. (Oil & Gas Technology, Industrial Services)

SoloPower Systems, Inc. (Lightweight and Flexible Solar Technology)

- During the networking reception, be sure to check out our exhibiting companies.

A big thanks to our selection and planning committee members, including Scott Anderson, Kevin Brown, Ed Dartley, Mark deGrandpre, Brian McTear, Bob Mitchell, Tony Parisi, Jack Reick and Michael Verrill.

Best,



Thomas P. Dwyer, Partner
Co-chair, Pepper Hamilton LLP Energy Group
Member, Steering Committee, Pepper Hamilton LLP
Emerging Company Group

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

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7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Agenda

April 8, 2015

3:30 – 4:00 p.m.

Registration and Networking

4:00 p.m.

Welcome and Introductions

Thomas P. Dwyer, Partner, Pepper Hamilton LLP

Energy Technology Investment Panel

Moderated by Thomas P. Dwyer, Partner, Pepper Hamilton LLP

- **Snehal Desai**, Global Business Director, Dow Water & Process Solutions
- **Sam Gabbita**, Managing Director, Element Partners
- **Joseph Slamm**, Partner, Hudson Clean Energy
- **Cory Steffek**, Managing Director of North American Venture Capital, Saudi Aramco Energy Ventures

Company Showcase

Introduction by Kevin P. Brown, Co-Founder, Cleantech Alliance Mid-Atlantic and Senior Partner, Hobbs & Towne, Inc.

Presenting Companies

- echoMESH, LLC
- Go Green Global Technologies Corp.
- NavPort, LLC
- PetroMar Technologies, Inc.
- SoloPower Systems Inc.

6:00 – 7:30 p.m.

Cocktail Reception and Exhibition

Step outside to see the cars on display courtesy of



U-Go Stations is a Pennsylvania corporation with its main office located at 1818 Market Street, 13th Floor, Philadelphia, PA 19103. U-Go Stations, Inc. is a company involved in the development of Electric Vehicle Public Charging Station infrastructure. U-Go owns, operates and maintains a network of Electric vehicle Charging Stations. U-Go is building its portfolio by acquiring exclusive location rights and installing charging stations in target, desirable, high-traffic locations.

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Energy Technology Investment Panel



Snehal Desai

Global Business Director, Dow Water & Process Solutions

Desai is the global business director for Dow Water & Process Solutions, a leader in sustainable separation and purification technologies, representing revenue of approximately \$1 billion. In his role, Desai is responsible for developing and implementing the growth strategy for the business and leading the approximately 1,700 employees worldwide. With industry-leading products, extensive expertise and experience in a broad range of water treatment applications, Dow is leading the discussion about critical issues related to water, food, pharmaceutical and energy resources with Desai at the forefront. Desai has more than 25 years of increasing leadership responsibility experience in the sales, marketing and business development of water, plastics, chemicals and renewable materials.

From 2008 to 2010, he led commercial and business development for Segetis, a startup focused on developing novel bio-based chemicals, and from 2003 to 2008, served as the vice president and chief marketing officer of NatureWorks LLC, the first company to offer a family of commercially available low-carbon-footprint polymers. In this role, Desai led strategic development and global execution of the marketing, sales and development teams for the company resulting in impressive growth.

Highlighting his collaborative spirit, Desai is a founding member and past Chairman of the Board and Executive Committee member of the Association of Strategic Alliance Professionals (A.S.A.P.), and has held a variety of leadership positions there since 1998. He is also the Minnesota chapter president of The CMO Club, helping support the Club's mission to promote the exchange of ideas among CMO's and senior marketing heads.

From 1988-2003 Desai held various positions with the Dow Chemical Company in sales, marketing, business development and TS&D in the Specialty Chemicals, Plastics, E-Business and New Business Growth divisions.

He received bachelor's degrees in chemistry and chemical engineering from the University of Michigan and an M.B.A. from the Kellogg Graduate School of Management at Northwestern University.



Sam Gabbita

Managing Director, Element Partners

Gabbita joined Element in 2006. He has experience in private equity and investment banking, with a focus on industrial, energy, and telecommunications companies. Prior to joining Element, Gabbita worked as an associate at Lazard Freres focused on financial restructuring of companies in the energy, transportation, cable and automotive industries. He also spent three years as an associate with Nautic Partners, a private equity firm, where he focused on growth, buyout and venture investments in the telecommunications and information technology sectors. Gabbita also worked as a financial analyst in Investment Banking for Salomon Brothers.

Gabbita earned his B.A. in Economics, *magna cum laude*, from the University of California at Los Angeles, and a Master's Degree in Business Administration from the Wharton School of the University of Pennsylvania.

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Energy Technology Investment Panel



Joseph Slamm
Partner, Hudson Clean Energy

Slamm is a co-founding partner of Hudson Clean Energy Partners and has been a renewable energy investment professional for over a decade. Prior to forming Hudson, Slamm was at Goldman Sachs, initially as a vice president in the firm's Fixed Income, Currency and Commodities Division and later as the co-founder of the U.S. alternative energy investment business within its Special Situations Group, where he led investments in wind energy, photovoltaic solar and biofuels. Specifically, Slamm led Goldman's investment in wind companies Horizon Wind Energy (where he also acted as interim CEO), Three Winds Holdings and Condon Wind where he also served on each company's board of directors, and in solar companies Sun Edison SunE Fund I, Sun Edison and First Solar. Prior to Goldman Sachs, Slamm held senior positions at Moody's Investors Services, Arthur Andersen and Deloitte. On behalf of Hudson, Slamm serves on the Board of Directors of Element Power, w2pS and Green Campus Partners. Slamm holds a B.S. degree from the University of Delaware.



Cory Steffek
Managing Director of North American Venture Capital,
Saudi Aramco Energy Ventures

Steffek is the managing director of North American Venture Capital at Saudi Aramco Energy Ventures (SAEV), the corporate venturing subsidiary of Saudi Aramco. He is responsible for identifying technology investments of strategic importance in the areas of: upstream oil & gas; downstream oil & gas and value-added products; renewable energy; energy efficiency and water.

Before joining SAEV, Steffek was in Corporate Development and Strategy at First Solar, where he was responsible for strategic investments and acquisitions with emphasis on new technologies and products. Prior to First Solar, Steffek was at the Altira Group, an energy-focused venture capital firm, where he led investments in a broad range of energy technology companies. In addition, he has also held several management roles in product development and engineering at PPG Industries. He holds a Ph.D. in materials chemistry from the University of Michigan and an MBA from The Kellogg School of Management at Northwestern University.

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Moderator



Thomas P. Dwyer
Partner, Pepper Hamilton LLP

Dwyer is a partner in the Corporate and Securities Practice Group of Pepper Hamilton LLP, resident in the firm's Philadelphia office. He is co-chair of the firm's Energy Group and serves on the steering committee of the firm's Emerging Company Group.

Dwyer's practice focuses on advising and executing mergers and acquisitions, private equity and venture capital transactions. He also serves as outside general counsel to a number of emerging, middle market and public companies who rely on his advice regarding general corporate matters, and for which he coordinates additional firm resources in areas including intellectual property, regulatory matters, litigation, tax and government relations. Dwyer actively advises and assists clients in achieving their legal and business goals, including making appropriate introductions to potential financing sources, accountants, investment bankers, consultants and potential key employees.

Dwyer's energy experience includes serving as special in-house counsel to the treasury and capital markets groups of a *Fortune* 500 energy company. In such capacity, Dwyer assisted with a multistate utility merger and over \$1B of financing transactions (including over \$550M of stranded costs securitizations). Some of the energy transactions and projects Dwyer has assisted clients with include: an energy efficiency technology company with a growth equity investment and strategic partnership with a *Fortune* 500 company's private equity arm; a private investor with an investment in a rainwater harvesting company; a private equity fund with a growth equity investment in an upcycling company; a private equity investor with a venture investment in a water filtration technology company; the development and subsequent sale of a utility sized solar farm to the renewable energy development unit of a *Fortune* 200 public utility; a solar technology company with its private equity funding; the venture arm of a *Fortune* 300 energy company with multiple investments in the energy technology space; a leading energy technology venture firm with an investment transaction in the solar technology space; a private equity backed traditional energy supply company with its acquisition program; and a supplier of innovative technology products to the oil and gas industry with various strategic and corporate matters. Dwyer co-founded and now leads the Mid-Atlantic Energy Technology Forum and also chaired the 2009 IMPACT Conference where he introduced the first ever "energy technology track." Dwyer also serves as a director to the Cleantech Alliance Mid-Atlantic (CAMA) and as a member of the Maryland Clean Energy Advisory Council. For over 10 years, Dwyer has actively participated on the Ben Franklin Technology Partners' energy and physical sciences investment committee.

Dwyer earned his J.D. in 1994 from the University of Baltimore School of Law and his B.A. from Brown University in 1990. He is admitted to practice in Maryland, New Jersey and Pennsylvania.

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Presenting Company Introductions



Kevin P. Brown

Co-Founder and Chairman, Cleantech Alliance Mid-Atlantic & Senior Partner and Owner, Hobbs & Towne, Inc.

A senior partner with Hobbs & Towne, Inc., Brown is an experienced executive search professional who joined the firm in 2003 to expand its burgeoning technology and energy practices. His 23 years of executive search experience, coupled with his ability to connect with both clients and candidates, has been instrumental in helping Hobbs & Towne solidify its reputation as North America's leading energy search firm. Brown is adept at developing and expanding client relationships, particularly with early-stage, growing companies and their investors. As such, he has completed CEO and Board Director searches within some of the most rapidly expanding energy companies, including those in the petrochemical, oil & gas, and power & utility disciplines, and then helped them build out their executive teams. Through his work within petrochemicals and oil & gas, Brown has also built a strong network in and around the Houston market. As he continues to expand Hobbs & Towne's footprint in the sector, Brown splits his time between Philadelphia and the new Houston office of Hobbs & Towne.

Strategically networked within the industry, Brown co-founded and continues to chair the Cleantech Alliance Mid-Atlantic (CAMA), and is a member of the Energy Advisory Committee of the Ben Franklin Technology Partners. He was also recently appointed to the Advisory Council of the Maryland Clean Energy Center. In 2009, he was recognized for his work in Cleantech and Renewable Energy as a recipient of the Green Power Organizer Award from PennFuture, and was also featured on the Denver Business Journal's annual list of *Who's Who in Energy*.

Prior to joining Hobbs & Towne, Brown was a Principal and equity owner of one of the fastest-growing Human Capital Management companies in the country. During his tenure, Brown was a key factor in the company's growth, helping it to expand from just nine people to more than 750. He was consistently one of the top producers in the company and the youngest partner in the history of the firm.

Brown studied Mechanical Engineering at Drexel University, and now lives just outside Philadelphia with his wife Courtney, son Tripper and twin daughters Chloe and Claire. He is an avid golfer, car enthusiast, motorcyclist, and a competitive mountain biker and in 2014 completed the Leadville 100 Mountain Bike Race.

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Energy Technology Company Showcase

echoMESH, LLC

Travis Peyton, President and Founder

www.echoMESH.com

484-241-9356

tp Peyton@echomesh.com

Founded in 2014



Business Summary:

Improvements in operational processes alone ensure a payback of less than 18 months.

Customer Problem:

- Delivering and maintaining occupant comfort
- Achieving and maintaining Energy Star Certification
- Visibility to financial impact of operational, capital investment, and occupant behavioral decisions regarding energy use/management
- Proactive detection of critical equipment failure
- Validation of capital improvements to deliver justified savings

Products/Services:

Energy Change Management Solution

Target Market/Customers:

Target market includes organizations with large building portfolios that have executive mandates to reduce energy waste and report energy usage. Customers include University of Pennsylvania, SKF, and Mecklenburg County.

Competitors:

Schneider Electric, Johnson Controls, Siemens

Competitive Advantage:

Delivers similar metering/reporting services using off the shelf components at a 1/10th of the cost enabling an ROI of less than 18 months.

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Energy Technology Company Showcase

Go Green Global Technologies Corp.

Paul Murdock, Chief Executive Officer and Chief Operating Officer

www.gogreentechcorp.com

203-517-7789

paul@gogreentechcorp.com

Founded in 2009



Business Summary:

“Go Green” is an industrial technology company that provides solutions worldwide utilizing the patented Sonical™ technology for both non-chemical water treatment and fuel combustion applications. The Sonical™ is a cost efficient and easily installable device that makes existing fuel and water systems run cleaner and more efficiently. The technology has been extensively tested in both laboratory and real world settings, proving its effectiveness. Go Green is in the early stages of its commercial rollout with an established customer base and a growing sales pipeline. The company’s wholly owned subsidiary, Go Green Technologies Corp., has a portfolio of intellectual property that currently includes four globally recognized patents and NSF/ANSI, UL, and CSA certification.

Customer Problem:

HVAC systems currently use costly and environmentally damaging chemicals to reduce scale and kill bacteria. These chemicals only partially solve the problem and are difficult to maintain and dispose of. The transportation industry (trucks, sea vessels, autos) are faced with increasing environmental requirements (emissions reductions) and are burdened by large fuel costs (which are often the highest cost component of their business) even in the face of declining oil prices.

Products/Services:

The Sonical™ Water Treatment System is designed to prevent and eliminate scale build-up that causes damage to equipment and decreases energy efficiency. It also eliminates bacteria and other harmful microorganisms from a water system without the addition of harmful chemicals. The Sonical™ Fuel Charger is a pre-combustion device that refines the fuel supply, resulting in more complete and effective combustion. Tests indicate that the Sonical™ Fuel Charger can increase fuel economy, improve horsepower, reduce emissions, extend engine longevity and reduce the need for higher cetane and octane fuels.

Target Market/Customers:

Water products: facilities with commercial/industrial HVAC systems, foodservice providers, hospitals and education facilities. *Fuel products:* trucking fleets of all sizes, marine vessels and oil heat.

Competitors:

Go Green’s primary competition in the transportation vertical comes from fuel additives, magnets, physical add-ons (such as wind deflectors) and other devices that claim to stabilize or treat fuel. In the HVAC vertical, we compete with chemicals suppliers.

Competitive Advantage:

Simple installation, utilizes existing infrastructure, requires little maintenance, industry leading ROI, and laboratory/real world installations that have proven to provide industry leading efficiency results. Fuel devices have consistently shown a 3-20% gain in MPG and a 20-40% reduction in emissions. Water devices kill more than 99% of bacteria and help save facilities 2-10% on their recurring operating and maintenance costs (estimated based on building size, type of tenant, etc.).

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Energy Technology Company Showcase

NavPort, LLC

Eric Foster, President

www.navport.com

610-276-9201

efoster@navport.com

Founded in 2014



Business Summary:

NavPort collects, validates and collates disparate public data sources to create the most comprehensive database of North American unconventional well activity. Operators, service providers, railroads, proppant and additive suppliers and financial analysts can use NavPort's unique web-based analytics application to perform complex analysis on the unconventional well space and its trends. The company licenses its data on a subscription model, and offers a free mobile app as a lead generator.

Customer Problem:

NavPort's customers solve different kinds of problems depending on the type of company. We help companies solve logistics problems, build sales strategies, improve well design, identify regional and national drilling trends, and much more.

Products/Services:

NavPort offers a web-based analytics solution that customers use to model its comprehensive database of wells. The company also offers a free mobile app that allows limited modeling to non-subscribers, and full capability to subscribers of its analytics solution.

Target Market/Customers:

Operators, well service providers, railroads and transportation companies, proppant and additive suppliers, financial analysts tracking the space, and thousands of suppliers to the oil pad. NavPort has several dozen customers, including many well-known companies.

Competitors:

IHS, PacWest, DrillingInfo, DrillMap among others

Competitive Advantage:

Our data is unique, especially in its ability to correlate well completion and production, and we are not aware of a web-based analytics solution that competes effectively with us in our space.

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Energy Technology Company Showcase

PetroMar Technologies, Inc.

Earle Drack, Vice President of Business Development
www.petromartech.com
484-206-4182
edrack@petromartech.com
Founded in 2011



Business Summary:

PetroMar Technologies provides products and services for O&G customers, and specializes in the most advanced downhole technologies. Our first proprietary products, an advanced borehole imager (FracView™) and a high-temperature data storage system (HotDrive™) will be commercialized in 2015 and 2016. We also have built a new and fast-growing Industrial Services division.

Customer Problem:

1. Need for full turnkey outsourced R&D and Mfg. services related to downhole Oil & Gas (O&G) exploration equipment
2. O&G industry lacks a high-resolution logging-while-drilling (LWD) borehole imaging technology solution for all drilling mud systems (significant problem/opportunity)
3. Industrial, medical, aerospace, nuclear, military, and other manufacturers often lack sufficient sustaining resources/expertise

Products/Services:

Services

- Full turnkey development of O&G products and technologies
- High-temperature and high reliability electronics development
- Suite of industrial product sustaining and manufacturing services

Products

- FracView™ LWD Focused Acoustic Imaging Tool
- Hot Drive™ Downhole Data Storage System
- Others in pipeline

Target Market/Customers:

O&G: Global oilfield service companies, NOC's, and downhole technology providers

Industrial Services: Industrial, Medical, Pharmaceutical, Aerospace, Military, and Nuclear industries

Competitors:

Global independent downhole technology providers (not oilfield service companies), regional industrial service companies.

Competitive Advantage:

Experienced management. Deep and broad understanding of problems/opportunities with respect to downhole technology, product development, and product sustaining. Experienced and expert multidisciplinary team with combined > 260 years of experience successfully developing downhole products.

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Energy Technology Company Showcase

SoloPower Systems Inc.

Robert Campbell, President and CEO

www.solopower.com

503-388-3714

rcampbell@solopower.com

Founded in 2013 (Initially 2005)



Business Summary:

Initially started in 2005, the product and technology development is fully commercial ready for scale up. A restructuring in 2013 has significantly reduced the company cost structure thereby providing an attractive opportunity for new investors participating in the company's commercial growth phase.

Customer Problem:

There have been no other solutions in the market to address lightweight PV since Uni-Solar left the market. SoloPower Systems solves this problem.

Products/Services:

Light weight, flexible PV solutions for rooftops where building owners need or prefer a solution that provides negligible impact to the rooftop or provides a superior aesthetic solution. Applicable to rooftops with structural limitations, high wind loads or seismic concerns. Bundled with financing to help simplify the overall decision process.

Target Market/Customers:

Buildings (commercial, industrial and residential) in high solar resource areas with high energy costs in order to create maximum value. Global customer base with current demand from Americas, Middle East, Africa and Asia.

Competitors:

None currently, potentially Hanergy in the future

Competitive Advantage:

Super lightweight, flexible and aesthetically superior solution for integrating renewable energy with your rooftop.



Unique Flexible Solar Technology

Exhibition

BRASH CHP:

Combined Heat and Power for Residential and Small Business Customers

BRASH Engines can augment conventional home furnaces to produce power. A simple, patented conversion kit can upgrade a heat-only home heating system to an efficient combined heat and power system, or CHP. If homeowners replaced their aging oil burner with a modern furnace equipped with BRASH CHP, their annual energy bill would drop from nearly \$4000 to \$600 for both heat and power (EIA data). That 82% reduction in annual cost would be paid for in 2-3 years, depending on system size. Furthermore, (using EPA modeling), this BRASH CHP upgrade would reduce the homeowner's carbon footprint by 42% over status quo. This Binary Recovery, Air-Steam Hybrid, or BRASH, cycle is shown in U.S. Patent 7743872.

Product and Customer: BRASH CHP is not intended as a retrofit for existing, installed heating systems. BRASH CHP will be customized by furnace model, with the full knowledge and cooperation of the HVAC OEM in order to maintain certification, warranty and operational safety. Existing HVAC contractors will be BRASH-certified for installation and repair, either by OEM fleet, or on a case-by-case basis for independents. BRASH CHP has a practical operating range of 1-15 kW. Most homes and small businesses would be served by capacities of 2-10 kW.

Regarding Safety: The highest system pressure within BRASH CHP is equivalent to bicycle tire pressures. The air/steam inlet pressure is comparable to a home espresso coffee maker on a kitchen counter.

Cost vs. Competition: Other small CHP systems for homes and small businesses generate about 1 kW in power from an internal combustion (IC) engine. That engine is typically used for power only, requiring a separate assembly for heat. A payback analysis showed 1 kW to be too low an output for effective net metering for most homes. The turbine expander/power module is a simpler and (at scale) lower-cost engine because its heat is derived from the extant heating cycle.

BRASH power efficiency currently is low (at 10-20%), relative to internal combustion, but improving. Total cycle efficiency with a high efficiency heating system is nearly 95%.

Distributed Generation: One potential benefit of CHP is its "call-up capacity" as part of a Distributed Generation (or DG) solution for the grid. Most DG planners model on the basis of large, community-based, megawatt-scaled systems. Utilities push back because those systems would violate rights of way concerns in the public utility laws. Smaller kilowatt scaled CHPs could provide utilities with DG power with each installed BRASH CHP.

About the Company: BRASH is a Connecticut C-corporation, founded in 2010 when the first patent was issued. BRASH has been supported by SBIR Phase I and II grants from US/DOT through our benefactor and partner, BKi of Oakland CA. In addition to the residential CHP opportunity, our team is working on a vehicle exhaust heat generation system and BRASH microgrids for agriculture and remote areas, utilizing local waste products for fuel.

For More Information: www.brashengines.com or e-mail mbrookman@brashpower.com

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Exhibition



Water Technology for Energy Producers: Power Plants, Mine Sites, Refineries
Successful Demonstration Projects Are Creating the Foundation for Multi-Million Dollar Projects

WATER TREATMENT TECHNOLOGY



Analytical Services to Optimize "Physical Chemical" Pretreatment Systems
Solutions to Protect the Quality and Quantity of Our Precious Natural Water Resources



Proprietary Technology
Revenue Generating Projects
\$3 Billion Market for FGD Water Treatment
Strategic Alliances with Leading Engineering Firms
Chemical and Biological Water Remediation Solutions
\$4 Million Raise (Series B) to Fund Major Project Wins and Investor Returns

Contact: Mark J. Kropilak, CEO Liberty Hydro: 610 710 5381
mark@libertyhydro.com

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Exhibition



Executive Summary:

MyShaleWell™ is a SaaS (Software-as-a-Service) cloud-based logistical platform to manage Shale Gas Well Sites; including complete well site logistics, marketplace to connect key providers and services essential for productivity and efficiency of workers, processes, materials, equipment, monitoring, training, safety and security.

Target Market:

MyShaleWell™ is a seed-stage patent pending service in the Shale Gas industry. The company has industry oriented strategic partners. The target users are land owners, suppliers, trucking companies, service providers, workers, trainers, energy producers, refiners, etc.

Manish Gorawala, Founder and CEO:

A Serial entrepreneur, Tech Expert, Manish is the chief visionary of MyShaleWell™, headquartered in Lansdale. He is also an owner of Tri-Force Consulting Services, Inc. Five-Time winner among Philadelphia 100 fastest growing Companies and Inc. 5000 winner.

Six Technical Resources: Developers, Analysts, Designers: Supplied by Tri-Force

Brian Belles: The Belles Group: Patent/Business Attorney

Go-to-Market Strategy:

- Social media, direct, and channel partners marketing strategy
- Sales/Marketing/Tradeshaw/Exhibitor industry events participations in major cities
- Affiliate partnership program promotion
- Launch in different countries

Business Model:

- Available on Apple, Google, Amazon, Samsung mobile app stores, and cloud platform
- 3 month free trial subscription, monthly per user subscription to access the platform
- In-app additional purchase revenue for key disruptive features
- MyShaleWell™ marketplace will provide ancillary revenue from businesses and users within the year

Unique Selling Proposition:

- We fill in the gap for small and large companies as a one-stop solution for shale gas industry well sites logistics management automation
- Actionable data accessible at finger-tips anytime and anywhere to users
- Patent pending software process which offers simple but powerful approach that is easily understood by various industry players
- We can offer the platform to large companies in private cloud environment with customization

Achievements to Date:

- Self-funded and fully developed platform, successfully deployed live and currently used by users
- Available on Apple, Google, Amazon, Samsung app stores, and cloud platform
- Successfully soft launched the platform in West Virginia at Oil and Gas expo during the month of October 2014

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM



Exhibition

Overview

StratIS Energy Management System is an award-winning wireless energy management and control system designed for both new construction and retrofit projects. StratIS offers the most advanced technology in energy management and control with the easiest and fastest installation, StratIS' Install & Go Technology, requires no specialized training or certifications. StratIS also integrates seamlessly with StratIS for Schlage Access Software to provide an access control and energy management system that meets your energy and access needs. StratIS is scalable, offering the ability to manage one or many sites. The system can manage multiple properties remotely via tablet, from a single, user-friendly interface.

StratIS provides a comprehensive system that eliminates the need for costly and complicated industry alternatives, averaging one-sixth the cost of competitors' comparable solutions. StratIS is a simple, cost effective, easy to install system that provides property managers a return on investment in as little as eighteen months. The system enables property managers and staff to quickly and easily monitor and control energy cost points, including thermostats, lighting, and more, in both common areas and individual residences, without leaving the office.

Property Owners and Managers can estimate a project on the StratIS Sphere App, without tens of hours of initial engineering and sales meetings. StratIS can provide a fully programmed system that is ready to install and includes pre-programmed hardware and remotely upgradeable software. With advanced wireless technologies, StratIS eliminates the need for overly intrusive retrofits and minimizes disruption, installing units in minutes, not hours.

StratIS provides groundbreaking technology for energy and access management and control. StratIS EMS utilizes thermostats along with its monitoring and control algorithms, to actively adjust and save you energy costs. Additionally, StratIS EMS interoperates with a 1300+ device catalog to create customized cost savings across your portfolio. Finally, with fully

integrated StratIS for Schlage, save more time and money by eliminating the need to tour, re-key and replace locks.

Benefits

Advanced Technology

- Remotely oversee and manage energy and access of multiple sites from one interface, via web or tablet
- Reduce energy consumption and costs by 20%+ for residents and management
- Device life cycle management capabilities for proactive maintenance and replacement
- Control and schedule HVAC settings by day or week and/or time of day
- Continuous online backup – never lose site configuration or audits if hardware is broken or stolen

Convenience

- Easiest intuitive interface on the market, minimal training needed
- Task tracking and audits for maintenance
- Integrates with property management software platforms
- No-tour access control
 - Key replacement does not require touring to enable or invalidate keys
 - Replace credentials in less than 2 minutes

Return On Investment

- Eliminates deadbolt replacement and re-keying costs
- Most cost-effective control solution on the market – two-year ROI
- Manage thermostat setpoint limits remotely
- Manage unoccupied units by setting to "vacant" to reduce energy consumption
- Monitor and manage energy usage by apartment - by residents and management
- Eliminate deadbolt replacement, re-keying, and touring costs

Install & Go! Technology

- No specialized training or certifications
- Fully programmed system, ready to install
- Remotely upgradeable software, no additional entries
- No interference with other wireless networks
- Units installed in minutes, not hours

7TH ANNUAL MID-ATLANTIC ENERGY TECHNOLOGY FORUM

Exhibition

WATTLOTS



"Like nothing else under the sun"

Wattlots' products adapt to ANY parking lot where you need light or electricity

The only solar products designed specifically for the northeast climate that do not collect snow or ice!
"Free light" for parking lots with our off-grid low voltage solar LOTbeam™ system that costs less to install than traditional A/C lights and cost pennies to maintain and operate! Never be without emergency light again.

Propel into the 21st century with our cutting edge high efficiency products that include:

- Electric vehicle charging stations
- Security cameras
- Emergency notification messaging
- Emergency back-up power
- LED motion activated lighting
- Decreased storm water flow /increased ground water re-charge

Made with pride in the USA

1932 Long Hill Road, Millington NJ 07946 1-877-WATTLOTS www.wattlots.com

EMERGING COMPANY PROGRAM

Entrepreneurs or emerging businesses know that every day's new challenges and obstacles are really opportunities. We know that too. We're Pepper Hamilton's Emerging Growth Practice.

You're not Apple or Genzyme. Yet. We understand that you're a start-up, or an early-stage company still in its formative years. But we don't just understand where you are; we can help you get anywhere you want to be.

From the dorm room to the boardroom.

From your garage to your IPO.

Whatever your path, as you blaze it, we're at your side. Because we see as much potential as you do. We've worked with hundreds of entrepreneurs. Some of us were once entrepreneurs ourselves. That's how we know you need practical, responsive, and cost-effective advice, at every stage of your lifecycle. As you grow and evolve. And (why not?) change the world.

If you're a start-up or early-stage, emerging growth company with:

- a sound business plan
- a solid technology or scientific foundation, and
- quality management,

talk with us. We're your innovative, affordable solution.

CONTACT US!

We're ready to give you more information or to help you get started – today.

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Navigating Issues with Experience

We have the experience and depth in areas critical to emerging growth businesses, such as:

- business formation
- venture capital, private equity and alternative funding
- intellectual property
- technology, outsourcing and distribution transactions
- employee benefits
- privacy and data security

Pepper's Emerging Company Program's holistic approach combines the resources of an experienced, multi-disciplinary team into an affordable package for start-ups and early-stage companies. The unique, deeply discounted program includes a nominal entry fee, a full suite of essential basic legal documents, effective legal counseling, and, for no additional charge, mentoring in areas such as board development and management, business plan review, and investor relations. And, leveraging our extensive array of relationships, we can introduce you to angel groups, seed funds and venture capital funds, and help tell your story to the world.

Pepper Hamilton LLP
Attorneys at Law

Special Thanks to the Planning Committee and Company Selection Committee

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