The Rice Alliance's 13th Annual Energy and Clean Technology Venture Forum on September 17, 2015 is the largest energy and clean technology venture capital conference in the southwest.

This event represents an opportunity to learn about the latest emerging technologies, meet investors to seek funding, see promising companies, learn about investment opportunities, meet individuals from the energy & clean technology industry, learn about promising companies seeking to expand their management team, as well networking and learning opportunities for entrepreneurs, researchers, investment professional and business executives.

This is a must-attend event for anyone involved in the energy and clean technology community in the region. The conference will include industry luminary speakers, investors, and promising startups from throughout the U.S. and beyond.

Confirmed participating investors, venture capital, and industry participants include the following:

- 32 Degrees Capital
- LLOG Exploration
- Altria Group
- Mercury Fund
- ATI Clean Energy Incubator
- Mercury Fund
- BADR Investments
- NGP Energy Technology Partners
- Baker Hughes
- North Energy Ventures
Baylor Angel Network
BP Ventures
Cameron
Central Texas Angel Network (CTAN)
Chevron Technology Ventures
Comerica – Technology and Life Sciences
ConocoPhillips Technology Ventures
Creeris Ventures
Cypress Growth Capital
Dow Chemical Company
Energy Ventures
GE Energy Ventures
Houston Angel Network (HAN)
Houston Technology Center
Houston Ventures
Hunt Energy
Independence Equity
Hunt Energy

North Texas Angel Network
OTM Consulting
Palmetto Investments
PKF Texas
Renewable Tech Ventures
Repsol Energy Ventures
Saudi Aramco Energy Ventures
Schlumberger
Shell GameChanger
Shell Technology Ventures
Statoil Technology Invest
SURE Ventures
TIE Houston
Transocean
Village Capital

Event Underwriters

VC Office Hours Reception Sponsor

Lunch Sponsor

Networking Reception & Company Showcase Sponsor

Supporting Sponsors
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<tr>
<td>Outstanding Entrepreneurial Leadership Award – Global Consortium of Entrepreneurship Centers (GCEC) - 2009</td>
<td>Jesse H. Jones Graduate School of Business</td>
<td></td>
<td>© Copyright 2014</td>
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<tr>
<td></td>
<td>George R. Brown School of Engineering</td>
<td>Rice Alliance for Technology and Entrepreneurship</td>
<td>Rice University</td>
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<td>Wiess School of Natural Sciences</td>
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Janice and Robert McNair Hall
P.O. Box 2932-MS 531
Houston, Texas 77252-2932
# 13th Annual Energy & Clean Technology Venture Forum - Agenda

## Rice Alliance for Technology and Entrepreneurship

**13th Annual Energy and Clean Technology Venture Forum**

**Rice University**

### Agenda

**Thursday, September 17, 2015**

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<th>Time</th>
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<tr>
<td>7:30 – 8:30 AM</td>
<td>Registration and Continental Breakfast (Anderson Family Commons)</td>
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<tr>
<td>8:30 – 8:40 AM</td>
<td>Welcoming Remarks (Shell Auditorium)</td>
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<tr>
<td><strong>Brad Burke</strong>, Managing Director, Rice Alliance</td>
<td><strong>Frank Muscar</strong>, Wells Fargo</td>
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<tr>
<td>8:40 – 9:10 AM</td>
<td>Opening Speaker – <em>Current Technology Innovation Landscape in E&amp;P</em></td>
</tr>
<tr>
<td><strong>Henry St. Aubyn</strong>, Principal, OTM Consulting</td>
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<tr>
<td>9:10 – 10:15 AM</td>
<td>Company Pitches – Session 1</td>
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<tr>
<td>VUV Analytics</td>
<td>Hicor Technologies</td>
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<tr>
<td>Veros Systems</td>
<td>Z-Terra Inc.</td>
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<tr>
<td>PHORE, Inc.</td>
<td>Seismos Inc.</td>
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<tr>
<td>AdaptiveWell</td>
<td>MicroSilicon Inc</td>
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<td>BISN Oil Tools</td>
<td>U-Solution LLC</td>
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<td>Exara Inc.</td>
<td>Fracture ID</td>
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<td>Clean Chemistry</td>
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<tr>
<td>10:15 – 10:45 AM</td>
<td>Networking Break (Anderson Family Commons)</td>
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<tr>
<td>10:45 – 11:30 AM</td>
<td>Company Pitches – Session 2</td>
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<tr>
<td>Arriba Energy LLC</td>
<td>Carbtex Technology, Inc.</td>
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<tr>
<td>Big Delta Systems, Inc.</td>
<td>Ebio, LLC</td>
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<tr>
<td>Indy Power Systems</td>
<td>Novinda Corp.</td>
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<tr>
<td>Orbital Traction</td>
<td>WAVE Inc.</td>
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<td>Teslatricity, LLC</td>
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<tr>
<td>11:30 – 12:00 PM</td>
<td>Venture Capital Panel: <em>The State of Energy Investing from Inside Venture Capital</em></td>
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<tr>
<td><strong>Dan Colbert</strong>, North Energy Ventures</td>
<td><strong>Sean Ebert</strong>, Altra Group</td>
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<tr>
<td><strong>Choo Kim-Isgitt</strong>, Frost Data Capital</td>
<td><strong>Dave Kirkpatrick</strong>, SJF Ventures</td>
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<tr>
<td><strong>Jim Sledzik</strong>, Energy Ventures</td>
<td><strong>Laurence Hayward</strong>, Independence Equity</td>
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## Event Information

**13th Annual Energy and Clean Technology Venture Forum**

**Thursday, September 17, 2015**

**8:00 am - 6:30 pm**

**McNair Hall, Rice University**

### Sponsors

#### Platinum Underwriters
- bp
- Chevron
- Wells Fargo

#### Gold Underwriters
- Baker Hughes
- ConocoPhillips
- FMC Technologies
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>12:00 – 1:00 PM</td>
<td>Lunch and Networking (Grand Hall, Rice Student Center)</td>
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<tr>
<td>1:00 – 1:10 PM</td>
<td>Afternoon Remarks and Introductions</td>
</tr>
<tr>
<td>Brad Burke, Managing Director, Rice Alliance</td>
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<tr>
<td>1:10 – 2:15 PM</td>
<td>Company Pitches – Session 3</td>
</tr>
<tr>
<td>Amros Corporation GroundMetrics, Inc.</td>
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<td>Infrastructure Networks Carbon Upcycling Technologies</td>
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<td>EnTouch Controls, Inc. Fotech Solutions Ltd.</td>
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<td>Knomatic Viper Drill, LLC</td>
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<td>Rheidian LLC MAANA, Inc.</td>
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<td>FlexGen Power Systems Intelligent Dots, LLC</td>
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<td>GeoTek 2 Power Systems</td>
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<tr>
<td>2:15 – 2:45 PM</td>
<td>Village Capital 2015 Water &amp; Energy Accelerator Showcase</td>
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<tr>
<td>Alex Fife - Director of Operations, Village Capital</td>
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<tr>
<td>Aquatricty Menon Laboratories, Inc.</td>
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<td>AQUEES Ocean Pacific Technologies</td>
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<td>Brimes Energy Remote Well Solutions</td>
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<td>Calientamigos SimpleWater</td>
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<td>Eergy Hydro Weildone Technology</td>
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<tr>
<td>2:45 – 3:15 PM</td>
<td>Networking Break (Anderson Family Commons)</td>
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<tr>
<td>3:15 – 4:00 PM</td>
<td>Company Pitches – Session 4</td>
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<tr>
<td>NavPort Panton Inc.</td>
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<td>Mud Labs, LLC GMC</td>
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<td>Benthic Fractal Systems Inc.</td>
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<td>Green Ultimate Recovery LLC Quantumio Energy Solutions</td>
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<td>HFT RESOURCES, INC. Sea Machines Robotics</td>
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<tr>
<td>4:00 – 4:30 PM</td>
<td>SURGE Ventures Showcase</td>
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<tr>
<td>Autonomous Marine Systems In.Acuity Inc.</td>
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<tr>
<td>Deep Imaging Technologies, Inc. Infinite Composites Technologies</td>
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<tr>
<td>GNOSYS SEE FORGE</td>
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<tr>
<td>4:30 - 5 PM</td>
<td>Corporate and Strategic VCs: What are they looking for in 2015</td>
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<tr>
<td>Eric Bielke GE Ventures</td>
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<tr>
<td>George Coyle ConocoPhillips Technology Ventures</td>
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<tr>
<td>Issam Dairanieh BP Ventures</td>
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<tr>
<td>MJ Maloof Saudi Aramco Energy Ventures</td>
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<tr>
<td>Alexander Rozenfeld Shell Technology Ventures</td>
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<tr>
<td>5:00 – 5:15 PM</td>
<td>Closing remarks and Announcement of Most Promising Companies,</td>
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<tr>
<td>Sponsored by PKF Texas</td>
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<tr>
<td>Karen Love PKF Texas</td>
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<tr>
<td>5:15 – 6:30 PM</td>
<td>Company Showcase and Networking Reception (Anderson Family Commons)</td>
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</table>

**Energy and Clean Technology Innovation and Funding Symposium (Room 116)**
Sources of Funding and Support for Early-Stage and Growth Companies

10:30 – 11 AM  | The Role that Accelerators and Incubators are Playing in Supporting Energy Startups |
| - Kirk Coburn, Founder and Managing Director, SURGE Ventures   |
| - Mitch Jacobson, Co-Director, Clean Energy Incubator, Austin Technology Incubator |
| - Nick Tillmann, Director, Energy Acceleration, Houston Technology Center |

11 – 11:30 AM  | Angel Investors: Filling the Early Stage Funding Gap                 |
| - Andrew Clark, Texas Halo Fund                                   |
| - John Paulos, Board of Directors, Central Texas Angel Network    |
| - Juliana Garaiarz, President, Houston Angel Network              |

11:30 – Noon:  | Alternative Funding Options: Venture Debt and Royalty Growth Capital |
| - Vik Thapar, Principal, Cypress Growth Capital, LLC              |
| - Sandra Gonzalez, Merchant Area Sales Manager, BBVA Compass      |
### Upstream Technology Innovation in a Low Crude Price Environment: Reducing Total E&P Costs and Reducing Cost and Time to First Oil Production (Room 116)

**Description:** The oil industry has invested significant resources and has been successful in generating oil production in a $100 per barrel environment. With possibly the “new norm” at $40-$60/barrel, the issue for the Upstream is how to make money in this new price environment. About half of the upstream cost is in floaters, risers and subsea processing and about half of the cost is in drilling and wellbore construction. These panels will provide insights from key upstream leaders in reducing total cost and reducing cost and time to producing the initial oil from wells. The panels will discuss how to use technology and innovations to reduce the costs while maintaining integrity. The panels will also discuss how novel systems, approaches, and concepts, as well as partnerships and strategies, can be applied in both of these areas.

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
<th>Moderator/Speakers</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Afternoon Session Introduction</td>
<td>Art Schroeder, CEO, Energy Valley, Inc.</td>
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<tr>
<td>1:15 – 1:45 PM</td>
<td>Keynote Speaker: “Technology Innovation in the Upstream Energy Industry”</td>
<td>Ahmed Hashmi, Global Head of Upstream Technology, BP</td>
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<tr>
<td>1:45 – 2:15 PM</td>
<td>Panel: Floaters, Risers &amp; Subsea Processing</td>
<td>Greg Kusinski, Chevron DeepStar Director - Jim O’Sullivan, Chief Technology Officer &amp; VP, Technip - John Bartos, Vice President, Development and Technology, Cameron - Rob Perry, Director, Global Subsea Processing, FMC Technologies</td>
</tr>
<tr>
<td>2:15 – 2:45 PM</td>
<td>Panel 2: Drilling &amp; Wellbore Construction, &amp; Completion</td>
<td>Henry St. Aubyn, Principal, OTM Consulting - Joe Leimkuhler, Vice President of Drilling, LLOG Exploration - Jose Gutierrez, Director, Technology Innovation, Transocean - Surya Rajan, Director, Market Strategy - Baker Hughes Incorporated</td>
</tr>
</tbody>
</table>

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**Quick Facts**
Nine Rice affiliated start-ups have received grants from the Texas Emerging Technology Fund
Venture Forum Presenting Companies

Presenting Companies

AdaptiveWell
AdaptiveWell solves the problem of cross-functional, optimal basin-level development and portfolio planning. By crossing the chasm between subsurface simulations and operational IT, we enable our clients to specify, analyze and choose from multiple well placement, spacing and completion scenarios with full transparency on a number of expected KPIs including costs, production, and risk. AdaptiveWell provides a unique upstream specific Big Data platform and decision support system that combines operational and financial data in a proprietary and state-of-the-art optimization and machine-learning environment. By tracking historical planning as well as performance data and incorporating 3rd party data sources, AdaptiveWell precisely forecasts prospective, scenario outcomes. Through its Integrated Planning and Performance Tracking solution, AdaptiveWell delivers precise and actionable scenario recommendations that result in expected 5-20% cost savings for surface operations, 10-20% lower cycle times, and significantly raises capital efficiency due to integrated surface-subsurface field layouts as well as optimized completion operations. www.adaptivewell.com

Amros Corporation
According to experts 95% of oil from shale plays is left in the ground and two thirds of fracks are not produced. Amros provides a solution to this problem. Amros is an oil and gas service company employing revolutionary technology to optimize field development of shale plays, increasing total production, and reducing development costs and environmental impact. Amros technology shows operators where to frack vertical wells and where to drill horizontal wells to optimize field development. It eliminates unnecessary fracks to reduce costs and environmental impact. Amros technology can make dramatic improvements in recovery efficiency equal to discovering huge new oil fields. By accurately predicting where producible oil is located, Shale Oil operators in the Permian Basin, for example, can reduce the cost of fracking up to 50% while increasing well production at least 20%. Amros provides services for oil & gas companies worldwide. www.amros.us

Aquatricity
Aquatricity’s Nexus is the world’s first microgrid control solution to address both energy access and water scarcity, the most critical challenges worldwide. It combines energy sources including solar, wind, batteries and diesel in a community power grid (microgrid). Nexus tracks energy and water consumption; increases renewable energy levels; and decreases energy costs, carbon footprints and water use. Aquatricity brings electricity to remote, off-grid communities while advancing worldwide distributed electricity production. Nexus encompasses proprietary software, hardware and Internet of Things (IoT) sensors. It communicates microgrid and environment conditions (e.g., solar radiation, wind speed, temperature, precipitation) to mobile devices through the Cloud, providing
meaningful, actionable insight on energy use, energy costs, water use and CO2 emissions. Aquatricity’s market is huge: community power grid spending is $53B worldwide, exceeding $100B in 2022 (Navigant Research). While the competition offers expensive, complex microgrid solutions that display cryptic engineering energy data, Nexus is affordable, repeatable and easy-to-deploy, delivering meaningful real-time power and water consumption information to mobile devices -- no engineers required. www.linkedin.com/company/aquatricity

AQUEES
AQUEES empowers property managers/owners to take advantage of opportunities for water conservation, to take action to conserve water and to significantly reduce water bills. Water rates across the country have been increasing and will outpace inflation by 2-3x. Also, water demand continues to increase as population grows, industry expands and water infrastructure ages and becomes more inefficient. This combination of increasing rates and increasing demand point to a clear forecast: you will continue to pay more and more for water. AQUEES provides a solution by integrating three complementary approaches to provide a comprehensive solution for improving water efficiency and reducing water costs: 1) property specific analytics to identify opportunities for saving water; 2) smart submeters to promote the principle that users pay for what they use; and 3) upgrade projects to maximize water use efficiency and reduce costs. AQUEES helps you cut water costs and conserve a precious resource. www.aquees.com

Arriba Energy LLC
Cities produce bio-solids, waste materials that result from heat dry treatment of sewage sludge. Currently, bio-solids are dumped in landfill sites and sometimes sold as low value fertilizer. The EPA recommends that cities find alternatives to the disposal of bio-solids that produce energy and reduce waste. Up to now, there have been no economically viable processes available to produce energy from bio solids. Arriba Energy employs a patented thermo-chemical reactor and process to produce high value clean products from bio-solids. The products include bio-crude oil that can be sold to oil refiners or processed further into higher value fuels, synthetic gas as fuel to so many applications, and bio-char that will initially be sold as high value fertilizer or processed further as a leaching agent to capture heavy metals or as activated carbon for water filtration. The technology is covered by an exclusive worldwide licensing agreement with Texas A&M University. www.linkedin.com/company/aquatricity

Autonomous Marine Systems
Autonomous Marine Systems has developed a patented advanced robotic sailboat to deliver persistent ocean intelligence anywhere around the world. We do it at 1/10th the cost of existing services, emitting zero CO2, and without risking human life. We’re changing the way the world explores and studies the ocean. www.automarinesys.com

Benthic
Established in 2001, Benthic has developed and operates the world’s most advanced seabed drill, the PROD (Portable Remotely Operated Drill). Utilizing PROD, Benthic captures critical geotechnical information regarding the physical properties of the sub-seabed, providing the oil & gas, renewables and civil industries with the necessary information to perform specialist engineering for the design, construction and installation of foundations for offshore structures. With proven capabilities in water depths of 3000m, Benthic has extensive experience operating in some of the world’s harshest environments. Coupled with an excellent HSE record, Benthic has earned an envious track record in the industry for project execution and client service, with PROD’s displacement of traditional technologies accelerating in recent years. Having accumulated over 15 years of technology development and operational experience, Benthic is the industry’s most experienced, successful and productive deep water seabed drilling operator. The company delivered over $50 million of revenue in 2014. www.benthic.com

Big Delta Systems, Inc.
Big Delta Systems (BDS) develops innovative manufacturing techniques and architectures for Lithium-ion batteries, revolutionizing how batteries are designed, engineered and integrated in applications ranging from smartphones to wearable electronics, and from aircrafts to electric vehicles. Our engineering innovations enable a >2x increase in power density and >15% boost in energy density without changing battery chemistry, while reducing battery cost by 12% – impacting multiple industries, from consumer electronics to electric vehicles (EV) - while serving as a multiplier to future improvements in battery chemistries. Beyond performance and cost advantages, our chemistry-agnostic manufacturing platform unleashes new possibilities by enabling batteries radically new form factors, with freeform shapes and mechanically flexible –
BiSN Oil Tools

BiSN Oil Tools is developing a range of tools to create in situ metal to metal seals. The tools can also be used for well abandonment, casing repairs, watershut off and solving gas migration issues. BiSN’s tools use a bismuth based alloy that is melted in situ. Our tools use the expansion properties of bismuth which is one of the few elements that expands on solidification. The in situ melting of the bismuth based alloy allows the alloy to flow into all the available features of the well, allowing a strong seal to be created, even in corroded or cracked casings. Once the heat source is removed the bismuth based alloy will cool and due to its composition it will expand upon freezing. The expanding bismuth based alloy creates a strong corrosion resistant seal. The tools have been rated using the ISO 14310 standard. www.bisnooltools.com

Brimes Energy

Brimes Energy-- Giving the world another renewable energy resource. Ocean Wave energy is the third biggest resource after solar and wind. The reason wave energy is not a $100B industry is because practical machines have very low efficiency. The Jellyfish machine is capable of absorbing 55% of the waves energy - the highest ever for a commercial harvester. A Jellyfish unit can supply power to an island. It is simple to deploy, just anchor the unit in 20 feet deep water and connect a low voltage marine type cable to bring the power to shore. A power converter unit on shore will convert the low voltage power to 110V AC. A desalination module can be added so it can supply fresh water too. The Jellyfish is modular and can be stringed together for large scale power harvesting. One day, Brimes Energy will build renewable wave energy farms around the world. http://brimesenergy.com/

Calientamigos

Everyone deserves the dignity and right to a warm shower. Calientamigos brings portable warm showers to millions in need. Our product is an affordable, portable shower system that heats and pressurizes water for over 2-billion families living without access to hot running water. The product was developed through extensive field research and co-design methods with over 20 families living in the informal settlement of Altos del Piño, Colombia. Through the process, we learned that families spend too much time heating water via stovetop or firewood, waste water by inefficient bathing methods, and face illness from bathing by parts outdoors in the cold. Calientamigos addresses these needs by being a safe, versatile and portable product that all members of the household can easily use. Our system saves valuable time by heating a 5-gal bucket of water in 15 minutes; versus the 1.5 hours it takes via traditionally observed methods.

Carbon Upcycling Technologies

Carbon Upcycling Technologies (CUT) was formed to sequester CO2 emissions in a stable, solid form that could be sold to the market at profit. The company uses an IP-protected process to create graphene nano-platelets using waste CO2 and cheap carbon feedstock. The product can be used to reinforce construction materials, increase electrical conductivity of plastics, enhance ceramic & epoxy coatings, as well as asphalt. The lab-scale process has a high proven CO2 uptake. CUT is currently scaling up the process from the bench-top scale of a few grams to a multi-ton industrial scale. CUT won CAD 500K in the CCEMC’s Grand Challenge, selected from over 340 applicants worldwide and has since established relationships with groups in Calgary, Chicago, Denver and Philadelphia. CUT is looking for technical and financial partners as it aims to develop a facility with 10 ton/yr production capacity by Dec. 2016 and generate sustainable revenue by mid-2017. www.ninesigma.com/ninesights-community/solution-provider-spotlight/carbon-upcycling-technologies

Carbtex Technology, Inc.

Carbtex Technology, Inc. specializes in research and development in the fields of advanced fibers and carbon materials, and energy storage systems. The lead scientist, developer and manager in the Company is Dr. Francis P. McCullough, a veteran of over 35 years with 74 US Patents. He started his development work on batteries while at Dow Chemical. After leaving Dow, he founded Carbon Associates, Inc., through which he pursued work on the first generation batteries. Chrysler Corporation sponsored and funded his endeavors in the area, which lead to the successful demonstration of the technology. Carbtex recently signed an SAA with NASA JSC to assist in development of QFB technology for NASA Rover Program. www.linkedin.com/company/carbtex-technology-inc

Clean Chemistry
Deep Imaging Technologies, Inc.
Oil and gas operators see surprisingly little underground in the unconventional plays. Their underground vision is 20/500 at best. Most models that are in use today were developed for conventional wells and do not translate to the unconventional world. This is proven by estimates that 70% unconventional wells do not reach their production targets and only 40% of fracture stages effectively contribute to production. In this new world of low oil prices, it is critical to improve production/well and reduce costs. Deep Imaging Technologies (“DIT”) has developed an innovative solution that allows oil and gas companies to manage the movement of underground fluids during operations in real time: Imaging these flows provides for immediate field responses as well as improved constraints for field subsurface modeling and ultimately field economic models. Getting better knowledge faster helps operators reduce costs and increase production thereby improving ROI. Applications include (re)fracing, flowback, and EOR.
www.deepimaging.com

Ebio, LLC
Ebio has developed the Alcoli™ process that converts fermented waste stream from ethanol plants into ethanol. Alcoli™ is the only known fermentative agent that can convert yeast waste to ethanol without additional sugar and with minimal impact on the quality and quantity of production byproduct (Distiller's Grain). It is effective for corn, cellulosic and sugarcane based ethanol production, and can be integrated into new plant designs or retrofitted into existing plants. In recent years, revenues from ethanol production have been similar to the cost of production, providing no net profit to the industry that requires federal subsidies. Alcoli™ takes the fermented waste and add an additional 20% to the yield, which translates into $10 billion in added revenue to the $50 billion industry. www.e-bio.biz

Emrgy
Emrgy enables customers to tap into unused energy resources in small or shallow water flows to offset grid power consumption and/or achieve grid power independence. Our team has developed a compact hydropower turbine based on a proprietary magnetic gear that overcomes the compromises of conventional turbines plagued by the risks and limitations of mechanical gears, representing a breakthrough in kinetic power conversion. Hydropower generation within US municipal water flows represents immediate market potential of over $13.6 billion. Emrgy is launching a full-scale Pilot Project with the City of Atlanta to showcase technological capabilities of the product and catalyze commercial sales.

EnTouch Controls, Inc
EnTouch Controls is revolutionizing the way national restaurant and retail chains manage one of their top controllable costs, the rising cost of energy. Through its Energy Management as a Service (EMaaS) platform, the company integrates cloud-based facility control with big data analytics and reporting tools that help these businesses fundamentally change how they use energy. HVAC, lighting, and refrigeration systems are optimized, inefficiencies are identified and resolved, and analytics enable benchmarking and optimization of a large facility footprint. Advanced software features enable peak demand management and demand response for their utility. The company provides its service to over 3,000 facilities in North America in leading brands including Pizza Hut, JC Penney, and TGI Fridays. In addition the company recently announced commercial partnerships with Reliant, NRG, Interface Security Systems, and EnerNOC and is actively piloting its DR service with major North America utilities.
www.entouchcontrols.com

Exara Inc.
Exara delivers core data services at the edge (capture-curate-package-deliver) that empower a growing ecosystem of next-generation digital oilfield (DOF) applications. Exara enhances machine-to-machine communication and enables smart, semi-autonomous interaction between field assets and their managers. The key to successful DOF solutions is the quality of data that feeds the applications. Exara delivers the highest fidelity/quality of data from edge servers connected to assets in the field running in parallel to existing control systems.
www.exara.net

FlexGen Power Systems
FlexGen® Power Systems develops, fields, and services innovative proprietary software along with advanced power conversion technologies to unlock the potential of energy storage and enhance power performance, reliability, and efficiency. This hybridization allows customers to see drastic decreases in fuel consumption, while increasing performance. Our products have been featured in military and oil & gas systems.
worldwide reducing fuel consumption by 52% and generator runtime by 80%.
www.flexgenpowersystems.com

Fotech Solutions Ltd.
Fotech designs and operates Fiber Optic Distributed Acoustic Sensing Systems for use in Oil and Gas, Rail, Security and Asset Monitoring applications. In the Energy sector, Distributed Acoustic Sensing can be used to monitor downhole activities from the integrity of the cementation process, the fracturing process, well flow characteristics, well integrity, well seismic and threats to the environment. Fotech was formed in 2008 and has used systems in multiple applications from pipeline leak detection and third party interference applications, electrical grid monitoring, perimeter security, railroad systems monitoring and downhole monitoring. www.fotechsolutions.com

Fractal Systems Inc.
Fractal Systems Inc. is a private Canadian corporation with offices in Calgary, Alberta and Sherbrooke, Quebec. Fractal’s business is the processing/upgrading heavy oil and bitumen by applying proprietary technology. In Canadian heavy oil operations, producers spend approximately $10-$15 per barrel to dilute their production for transportation. This cost is driven by two factors: 1) purchasing light oil (or diluent) to blend with their heavy oil production in order to meet pipeline specifications and 2) pipeline transportation charges (tariffs) on the diluent and the sale oil (blend). Fractal’s JetShear™ technology can reduce these costs by about 50% by reducing the amount of diluent required for blending/diluting the heavy oil. This result provides the producer a significant reduction to their costs associated with transporting their oil. JetShear™, Fractal’s first technology, has been successfully field demonstrated in Canada. The company is on track to begin engineering on the first commercial project in 2016. www.fractalsys.com

Fracture ID
Fracture ID services identify local variations in rock properties and natural fracture locations to better inform the placement of hydraulic stimulation treatments for improved well economics. The technology utilizes high frequency drilling dynamics data to identify natural fracture swarms and brittle, higher mechanical strength rock, both of which have a significant effect on completions efficiency. The service provides a value/cost ratio sufficient to allow it to be run on the majority of unconventional horizontal wells drilled. www.fractureid.com

GeoTek 2 Power Systems
G2 Power Systems provide direct use of renewable geothermal energy derived from produced crude oil for use in hydrocarbon extraction while solving production problems, reducing costs and the carbon footprint (including GHG) of oil field operations. G2’s patented systems use extracted heat to power thermal motors that when placed in the well bore, seafloor or surface, power submersible pumps, gas compressors or power generators. Direct use of geothermal energy eliminates unreliable electrical components; eliminates or substantially reduces the purchase of unreliable utility power or high cost of power generation to drive surface pumps, compressors or power generators. www.geotekenergy.com

GMC
GMC Inc. is a deep-water product, engineering, and project management company that develops and produces enabling technologies that address the high cost of installation of offshore flow-lines, tie-backs, and risers. GMC has completed projects in some of the most adverse offshore environments, from the shallow waters of the Russian Arctic and Black Sea, to the depths of ultra deep in Brazil and West Africa. Using operational techniques and engineering practices, we have delivered successful products and projects in these challenging environments. www.gmcdewater.com

GNOSYS
GNOSYS breaks down traditional monolithic documented procedures into interoperable, mobile micro-processes that leverage augmented reality to deliver all the guidance you need to succeed at a task - while you are doing it. www.gnosys.com

Green Ultimate Recovery
Green Ultimate Recovery LLC develops and tests novel processes to increase hydrocarbon recovery and extend the life of existing infrastructure. The developed chemical processes increase oil recovery while contemporaneously inhibiting the production of costly water waste. In simplest terms, our method is to place unique combinations of reagents and carrier fluids into the reservoir away from the wells. These
Reagents free up oil by reacting with water. The reactions with the water retard water flow, which increases oil flow. The approach is unique in that it also stimulates the asset for natural gas generation. Thus, the natural gas to be harvested in the future is a “free” byproduct of the treatments injected into the well for oil recovery. The company has also developed a chemical delivery system to stimulate unconventional resources at remote locations in a safe manner. Field trials in oil and gas wells are occurring this fall.

**GroundMetrics, Inc**

GroundMetrics has developed and patented a fundamentally new sensor technology that is transforming enhanced oil recovery, mature field development and fracing monitoring. Preliminary analysis indicates they are the only sensors capable of monitoring frac fluids. GroundMetrics services apply to full life-of-field development, including revitalization of mature fields. Technological breakthroughs consist of innovations in sensors, power transmitters, and 3D computational models, methods and analytics. GroundMetrics has a blue chip customer list with history of repeat business – all have repeated or are currently planning follow-up work. They are a diverse mix of the world’s largest oil and gas companies, validating credibility necessary to sell across the entire market, around the world and to scale-up fast. Benefits impact top and bottom lines as well as low and high cost production (from onshore conventional to fracing), providing a hedge within industry. GroundMetrics also has an all-star team with experienced businessmen and industry veterans. [www.GroundMetrics.com](http://www.GroundMetrics.com)

**H20min**

H2Omin offers “last drops” irrigation conservation: priority-integrating rain-water catchment, grey-water re-use, metered-water least - balancing lushest plantings with lowest bills. ‘Free’ sources are drained away as expensive waste, yet tricky to maximally offset expensive piped water. We make that available and affordable to ordinary householders, small growers, related professionals, businesses: do-it-yourselfers, designers, contractors, developers in drylands. One-stop Web service offers comprehensive information, membership to practitioner community/ exemplars database, tools for project assessment/ system specifications, immediate discount ordering from recommended components to bundled systems. Elsewhere available piecemeal, we save unnecessary research, shopping, retail expense, and shipping. And include our proprietary scheduling algorithm: protocols for passive/ active systems, locality-programmed controller for automatic, dynamic-update ‘cloud’-based for remote-controlled. After three decades of drylands horticulture, two decades of 30-70% savings under drought and salinity, prototypes long in operation, early customers to document installation and demonstrate performance – H2Omin is ready in Albuquerque, San Diego, Spain, Chile.

**HFT Resources, Inc.**

HydroFlame Technologies Resources, Inc. has been established with the sole purpose of commercializing the HydroFlame novel direct contact combustion heat transfer process. The company’s objective is to design and develop compact steam generators using this patented process for extraction of medium gravity and deep heavy oil reserves. [www.hydroflametech.com](http://www.hydroflametech.com)

**Hicor Technologies**

Hicor has developed and is commercializing a revolutionary wet gas and multiphase rotary compressor that can boost production from wellheads with minimal infrastructure on the wellhead and eliminating fugitive emissions and tank vapors. The unit is <50% of the weight and footprint of a conventional compressor, with no vibration, which means it can be installed in a simplified structure onshore or offshore. By using our compressor, the producer can reduce his fuel and operating costs, improve total hydrocarbon recovery from a reservoir, and comply with environmental regulations with a positive impact on the bottom line. Information technology tool that provides data to enhance effective decision making. [www.hicor.com](http://www.hicor.com)

**In.Acuity Inc.**

Every year millions of Americans lose billions of dollars from working with inexperienced or In-Acuity provides a learning content management platform – ExpertKnowledge.com - that allows organizations to harvest knowledge and disseminate it in a way that’s functional and responsive. Our proprietary authoring and publishing tools help subject matter experts transform tacit knowledge into online and accredited learning programs. Content is developed 4x faster than the industry average while meeting all the highest standards of adult learning. The platform also provides clients with a faster, more efficient and cost effective method to accelerate the speed of competency of all employees. [www.in-acuity.com](http://www.in-acuity.com)
Indy Power Systems
Indy Power Systems' Energy Router™ is proprietary software running on a CPU that manages and optimizes any number of different sources or loads. It performs multiple functions such as building management, power smoothing, and demand charge reduction. It also provides ancillary services to support the Grid and also manages communications including a browser-based user interface. The Multi-Flex™ is the industry’s first bi-directional inverter with completely independent phase control. Independent phase control solves a growing problem of phase imbalance in areas of distributed generation. It is also the first with modular DC-DC converters capable of managing multiple solar arrays and battery packs. The Redundant Array of Inexpensive Batteries (RAIB™) is the first to integrate new and/or used batteries into energy storage. It blends any combination of power and energy batteries, new and/or used, to meet unique price and performance targets. The system was installed at Yellowstone National Park in May 2015. www.indypowersystems.com

Infinite Composites Technologies
Infinite Composites Technologies (ICT) designs, develops, and manufactures advanced gas storage systems for aerospace, industrial gas and transportation applications. The Company was founded in 2010 to revolutionize the way pressurized gases are stored. The Company is known for introducing the first new product category for high-pressure gas storage since 1995 with its Infinite Composite Pressure Vessel (iCPV), a liner-less pressure vessel introduced in 2013. Type 5 (liner-less) pressurized fuel storage systems have been considered the ‘Holy Grail’ for years by various composite professionals because of the additional fuel capacity granted from eliminating the liner and the additional weight savings associated with that. The iCPV allows for up to 10% more fuel storage compared to other composites vessels and is 90% lighter than traditional pressure vessels. www.infinitecomposites.com

Infrastructure Networks
Infrastructure Networks’ (INET) massively scalable, private LTE network solutions provide end-to-end, secure, broadband wireless connectivity between remote field assets and corporate enterprise networks. INET’s solution has the ability to dramatically reduce capital expense and total cost of ownership of wireless network deployments. For legacy networks, INET can expand capacity, reduce legacy system interference, rapidly address pain points and reduce operational expenses. Looking forward, INET’s customers will have the ability to leverage a plug-and-play communications platform deployed on licensed spectrum using an open, global wireless communications standard. INET’s solution can be scaled to support the rapid deployment of the thousands of IP (Internet Protocol) end points. Each end point can be assigned a specific bandwidth and Quality of Service (QoS), allowing a single communications solution that can support narrowband SCADA infrastructure through broadband video applications. When taken together, the INET solution becomes the platform for the deployment of future IIoT Solutions. www.infrastructurenetworks.com

Intelligent Dots, LLC
Intelligent Dots is a start-up company with technology that solves significant problems for several large industries. Our RISI system provides a truly 4D seismic imaging solution for the real-time monitoring of subsurface structures and dynamics, and is years ahead of technology in use now that sorely lacks the real-time capability. Applicable markets are wide ranging, including oil and gas E&P, geothermal, solution mining, gas storage, groundwater, earthquake and volcano monitoring/study, CO2 sequestration, etc. Prototype has been deployed and validated. The self-networking wireless RISI system significantly reduces subsurface imaging from months/days to seconds, and its deployment and maintenance costs are near zero. Patent-pending technology combines several highly specialized disciplines, including sensory hardware and software, distributed computing, geophysics, advanced algorithms, and networking and communication technology. For Oil/Gas Exploration and Production companies, the deployment of RISI system allows for significant risk mitigation and costs-saving in site selection. Timing is great for our entry. www.intelligentdots.com

Knomatic
Knomatic allows oilfield, industrial, environmental, midstream and downstream companies to deploy best of class mobile applications to better operate their business. Using the patent-pending Knomatic Studio, companies can integrate current back office systems, proprietary content, and their standard operating procedures to custom-configure the 18 most required mobile applications in oilfield and industrial operations. Our 100% native apps are built for speed and performance across each of the leading mobile platforms, operate with and without internet access, and can be modified without programming, allowing companies to optimize business processes without having to manage code, platforms and servers. We let you focus on your business processes and efficiencies. Knomatic allows companies to come out on top - with lower operating costs, cash flow acceleration, better integration with customers, and new heights of productivity; at a fraction of the cost or risk associated with lengthy custom development. www.knomatic.com

MAANA, Inc.
Maana is pioneering a new semantic search engine. It is deployed between the line-of-business applications employees use to manage and operate an asset, and the multiple sources of data related and relevant to operating that asset. Maana’s platform organizes data from disparate sources into a unique knowledge structure for discovery, recommendation and decision support through search and analytics. Oil and gas companies use Maana in an increasing number of areas, including Well Planning, Well Risk Analysis, Well Metrics, NPT Detection, Production Failure Identification, Pump Failure Prediction, Field Service Optimization, Selection of Pump, Cyber Asset Management, Competitive Marketing Analysis and more. Maana is funded by the strategic venture investment arms of Chevron, GE, ConocoPhillips and Intel. 

www.maana.io

Menon Laboratories, Inc.
Menon labs is developing a clean, ceramic membrane-based filtration technology that can physically separate oil and organic contaminants from water unlike currently used treatment solutions such as chemical treatment. Menon labs’ technology will also save water resources by allowing for the treated water to be recycled either for commercial or agricultural purposes. With regards to competing ceramic membrane filtration technologies, Menon labs solution is 50% lower in terms of capital costs, due to low cost of starting materials and low processing costs. Additionally, the operating expenses are 50% lower due to lower pressure requirements as a result of the inherent nanoporosity of our material. www.menonlaboratories.com

MicroSilicon Inc.
MicroSilicon Inc. is a high-tech spin-off from the Integrated Systems and Circuits Laboratory at Rice University. We design and build custom integrated sensors for placement in hostile environments. MicroSilicon’s first product under development is a permanent online Electron Paramagnetic Resonance (EPR) sensor that is targeted at key flow assurance challenges in the Oil and Gas Industry. www.microsiliconinc.com

MudLabs, LLC
The shortage of water in Texas for drilling and fracking operations is rapidly becoming a critical issues between oil and gas operators and the citizens of Texas. MudLabs, LLC has developed a patented mobile on site process for recycling of frac water at a high rate while at a substantially lower costs than current technologies. The technology is designed to be extremely efficient in recycling waste water which can come in various forms. Oil and gas operations • Frack water • Produced water from oil and gas wells. Other applications include but not limited to: • Heavy Metals Removal • Reuse Water Project • WWT (silt removal) By using this patented process to reclaim water rather than use disposal wells saves the environment, reduces truck traffic, and can be moved from site to site. Typical reduction in recycling costs can be as much as 50% or more. www.mudlabs.com

NavPort
NavPort has built and continues to enhance a unique solution that combines public data sources and domain expertise to provide a detailed view of hundreds of thousands of unconventional wells. This data, updated daily, is made available to customers via a web-based analytics tool that permits users to directly access and model the data. In addition, NavPort enables sales and business development teams by also providing its data through a Salesforce.com interface. NavPort is headquartered in Philadelphia and has its sales operation in Houston. The Company has been capitalized by Preferred Technologies and KKR. www.navport.com

Novinda Corp.
Novinda is an advanced air quality technology company providing essential products and services that optimize operations and ensure environmental compliance for the operators of coal-fired power plants, industrial boilers and cement kilns. The company is principally known for its non-carbon mercury capture reagent, Amended Silicates™, a mineral-based product that removes mercury from combustion gasses via chemical reaction rather than adsorption technologies. Amended Silicates provides economical, consistent and robust performance across a variety of power-plant configurations and operating conditions while preserving fly ash value. It has exceptional SO3 tolerance, is nonflammable and less corrosive to the balance of the plant, and functions across a broad range of operating temperatures. www.novinda.com

Ocean Pacific Technologies
Ocean Pacific Technologies, Inc. (“OPT”) designs, manufactures and markets a line of next generation, integrated, ceramic, water lubricated, axial piston pumps (APP), as well as APP replacement parts, which can be installed in other manufacturers’ pumps. The Company won the 2008 Global Water Intelligence Award for New Technology of the Year, and has received numerous contracts to help develop the US Navy’s and Army’s next generation pump and energy recovery device (ERD) technologies. The OPT products provide a unique solution which has the potential to bring the largest energy cost saving to seawater reverse osmosis (SWRO) operators in the past 35 years. OPT
has completed trial sales in 2014, is on track to book more than one-half million dollars in sales of its products in 2015, and now needs to raise capital to market and sell its pump and ERD packages, parts and expand the ceramic parts offerings. www.ocean-pacific-tec.com

Orbital Traction
Legislation will push diesel engine manufacturers and integrators to improve fuel economy, reduce emissions and lower their carbon footprint over the next decade. Achieving these objectives is becoming increasingly difficult as engine and power conversion developers have already implemented many new technologies. One approach is the use of Controlled Velocity Accessory Drives (CVAD) to match engine accessory power usage with demand, especially as it relates to engine thermal management. Orbital Traction’s variable speed fan drive is a CVAD that enables a 2-5% improvement in fuel efficiency through better power and thermal management. At Orbital Traction, we make compact continuously variable transmissions (CVTs) that enable rotating systems to operate more economically with improved performance and lower emissions. Our first CVAD product is the variable speed fan drive targeting the $13B fan drive market for diesel engines which we will bring to market through licensing, tier 1 part supplier co-development, or self-commercialization. www.orbitaltraction.com

Panton Inc
Panton’s search-oriented cloud-based information platform makes decentralized business process accessible, transparent and actionable. Through highly efficient search, Panton creates efficient business processes from big data across multiple databases by different parties. This novel platform is gaining traction handling proprietary data and functions in mid-stream/upstream oil and gas – transaction management, contract administration, transportation, volume and value allocations, inventory tracking, supply chain management, accounting forecasting, and risk management. In the last two years, the company has grown from 9 clients to 15 clients and is just starting to gain attention in a market with over 1,000 potential clients. Future plans call for applications outside of mid-stream oil and gas targeting highly complex, information rich industries. With an exceptional product and a unique ability to rapidly implement a shadow system at no expense to clients, Panton efficiently demonstrates capabilities superior to installed competitors. Panton is looking towards rapid growth with additional investment. www.pantoninc.com

PHORE, Inc.
PHORE’s patented technology is the first commercially viable process to extract and recycle Rare Earth Elements ("REEs") from end-of-life products. REEs are the "pixie dust" that make a number of clean-energy technologies possible - including fluorescent light bulbs. The inside of each bulb is coated with a powder that contains up to five of these REEs. In fact, the production of fluorescent light bulbs makes up one of the largest uses of REEs worldwide. However, after these bulbs are used, virtually all of the powder inside of them is disposed of in landfills. Though the demand for REEs is over $8 billion and growing, currently, the only way to obtain them is via mining - a particularly expensive and dangerous practice for REEs. PHORE aims to remedy the supply and demand problems in the REE industry by providing a clean, renewable source of these critical elements for future clean-technology production.

Quantico Energy Solutions
Founded in 2012, Quantico Energy Solutions is a data analytics company based in Houston, Texas. The company’s focus is on providing the oil and gas industry with geoscience solutions that can address major challenges in the development of conventional and unconventional resources. Most recently, Quantico has developed a solution for generating synthetic sonic and density logs with information routinely collected during the drilling of every shale well. Such information can be expensive and risky to acquire by the conventional method of running open hole logging tools. Quantico’s innovative approach allows such data to be readily obtained on a high volume of horizontal wells, which opens new areas of insight ranging from drilling to geophysics to completion engineering. www.quanticoenergy.com

Remote Well Solutions
Remote Well Solutions (RWS) specializes in automated water production and distribution for Off Power-grid applications without utility power. Providing a full line of proven, environmentally friendly, cost effective, pumping and distribution systems specifically engineered for remote applications. RWS’s patented technologies enable 100% solar powered and solar/propane hybrid plants. Systems already in use in Agriculture and used by the U.S.D.A. Clear applications also exist in oil and gas production, mining and water purification/remediation. Automation increases water production, lowers production costs, improving reliability of production. Typical cost reductions compared to diesel powered pumping is 30% to 60%. Being fully automated, there’s a significant reduction in labor time/costs. These are the only fully automated Off grid pumping solutions for cost effective water production and distribution to point of need, without wasting water. www.remotewellsolutions.com

Rheidiant, LLC
Rheidiant is developing a real-time monitoring solution, bringing Internet of Things connectivity to hard to access assets of oil and gas operators. Its Smart Sign™ integrity management system is a unique service that allows operators to spot previously undetectable leaks on their pipelines before they turn into large environmental spills. The system’s trenchless deployment and wireless connectivity make it the only cost-effective solution for aging assets with the highest risk of incidents. The technology was recently tested by a third-party research facility at full-scale, validating its capability of detecting small leaks from a distance. Rheidiant is currently partnering with a leading pipeline operator to deploy its devices on a major interstate crude oil pipeline. Rheidiant is an acceleration client of Houston Technology Center. [www.rheidiant.com](http://www.rheidiant.com)

**Sea Machines Robotics**

Sea Machines Robotics is developing Autonomous Vessel Controls Systems and Unmanned Workboats to bring new operational capabilities and efficiencies to the offshore energy, maritime, and marine data collection industries. As a leading company in the global progression to unmanned offshore fleets, Sea Machine’s Series 1 autonomous systems will increase offshore productivity and reduce operator’s expenses in three primary ways. First by converting routine conventional vessel operations such as survey grid tracks to algorithmic unmanned vessel workflows, second as reliable force multipliers that boost productive results, and third by removing personnel from dirty and dangerous offshore tasks and thereby reducing operator liabilities. The company was formed in 2013 by Michael Gordon Johnson, a marine engineer with two decades experience managing complex offshore projects and Alex Lorman a specialist in marine control systems. The company will begin public demonstrations of a full-scale 24’ azimuth-drive unmanned work boat prototype in November 2015. [www.seamachines.com](http://www.seamachines.com)

**SEE Forge**

SEE Forge empowers organizations to create FAT FINGER™ apps in a simple drag and drop way, to instantly automate key processes, integrate with existing systems and rapidly deploy across the enterprise. Based in Houston, Texas SEE Forge focuses on disrupting industrial operations with an initial focus in Oil & Gas & manufacturing. Current investors include the Mercury Fund, Correlation Ventures, SURGE Ventures and 8 Oil & Gas experts. [www.seeforge.com](http://www.seeforge.com)

**Seismos Inc.**

Seismos, the K-wave Company, is a software-data analytics company for Oil and Gas production optimization providing proprietary solutions for real-time, underground fluid flow monitoring, inside the reservoir, during production. Monitoring fluid movement with conventional seismic technologies requires months for data acquisition and processing, disrupts production and costs millions. Seismos breaks this paradigm and solves all problems associated with conventional methods by providing real-time information, at a fraction of the cost, through its proprietary, cloud-based K-wave technology that is non-invasive to production and to surface operations. [www.seismos.com](http://www.seismos.com)

**SimpleWater**

SimpleWater sells an electrochemical water treatment machine to small water system managers with contamination of local groundwater. Our customers have a problem and it is that existing best available arsenic treatment technologies are too expensive. We solve this problem with ArsenicVolt, a remotely operated water treatment process based on controlled corrosion of simple iron plates with low voltage electricity. ArsenicVolt is a patented electrochemical water treatment product that cleans water from arsenic, pathogens, and other heavy metals for 60% lower cost than Best Available Technologies. Between 2006 and present, our technology received excellent market validation in Bangladesh and India. We are now transferring knowledge to the US market where Arsenic in groundwater affects 56M Americans and costs $585M/year to treat, forcing dangerous and unsustainable water policy on thousands of small communities. US Towns with small budgets suffer most as arsenic removal is expensive, averaging 70% of total water fees. [www.simplewater.us](http://www.simplewater.us)

**Teslatricity, LLC**

Teslatricity’s vision is to revolutionize the $120+ billion global lighting industry in the commercial and residential sectors by offering LED-based lighting products that are cheaper, better, more efficient, recyclable, unbreakable, and smarter than other products in the marketplace in the utility form of “Lighting as a Service.” Teslatricity has developed a revolutionary manufacturing process called fractal manufacturing, which enables it to become the low-cost, high-value provider of intelligent LED lighting products and services globally. [www.teslatricity.com](http://www.teslatricity.com)

**U-Solution LLC**

The key to enhanced oil production is knowledge of precise fluid displacement, which can be interpreted from real-time temperature profile of the entire well bore/reservoir. U-Solution LLC, which has 10 years’ experience of DTS production and application in oil & gas industry, has developed the most reliable DTS (Distributed Temperature Sensor) to provide the ultimate solution for 1) maximized oil production (1% enhancement
corresponds to $20B/year assuming global production of 95Mbbl/d for $60/barrel), 2) minimal cost (material savings) through optimized management in injection, production and stimulation processes by monitoring the entire well bore temperature profile in one meter span. Also it offers 3) asset and environmental protection through the detection of leakage and fire incidents. The competitive advantages of U-Solution’s proprietary DTS are: stability in long term monitoring, twice faster speed and significant saving (more than 40%). The major emphasis is ‘No system Re-calibration over ten years.  www.u-solutionllc.com

Veros Systems
Veros Systems is an asset monitoring company. Veros enables enterprises across diverse industries to remotely monitor their physical assets non-intrusively. Our flagship product, Veros ForeSight™, provides a dashboard with real-time operating metrics and early warnings about impending industrial equipment failures, with zero false alarms. ForeSight utilizes the induction motor as its only sensor, connecting at the motor relay or drive panel to monitor electrical waveforms. No sensors are placed on the monitored assets. In 2006, Veros secured an exclusive worldwide license from Texas A&M University to commercialize technology developed by Dr. Alex Parlos. With funding provided by the Texas Emerging Technology Fund, Veros immediately began product development and testing for different industrial applications. In 2013 and 2014, Veros received venture-capital funding from Austin Ventures, Chevron Technology Ventures, LiveOak Venture Partners and Shell Technology Ventures. In 2015, Veros and Siemens announced a distribution relationship.  www.verossystems.com

Viper Drill, LLC
We utilize the world’s most advanced ultra-short radius lateral drilling technology to create mini-horizontal drainage tunnels that radiate outward from the wellbore, like spokes on a wheel. In creating these ‘Flow Highways’, we not only by-pass near wellbore damage that may be impeding flow, but we also provide dramatically increased communication between the wellbore and the payzone. Third-party flow modeling of our technology indicates a radical acceleration of recovery and an increase in ultimate economic recovery of 25-30% with just 3-4 of our laterals. In currently on-going field trials, we have already repeatedly drilled out past 30 feet.

VUV Analytics
VUV Analytics, based in Cedar Park, Texas, makes a novel detector for chemical analysis in gas chromatography and streaming gas applications. The company was bootstrapped by five founders from semiconductor capital equipment startup Metrosol, built and deployed three beta units using funds from the Texas Emerging Technology Fund, and brought its initial product to market with Series A funding from S3 Ventures. Clark Jernigan joined as CEO in April 2015, coincident with the second tranche of Series A, after a 14 year career in venture capital at Austin Ventures. The company’s first three customers were a leading chemicals company in Houston, a super major oil company in Northern Europe, and a leading specialty gas company in Western Europe. The company has had on-site evaluations or run samples for major oil companies representing about a third of the fuels industry, by revenue, and is currently helping to draft two ASTM methods.  www.vuvanalytics.com

WAVE Inc.
WAVE has developed a suite of wireless charging technologies that allow heavy duty and medium duty, battery-powered, electric vehicles to operate full duty cycles under extreme conditions. Using wireless charging infrastructure embedded in the ground, a vehicle can charge during normal stops along its route (e.g. to load or offload passengers or cargo). This charging allows vehicles to run with smaller battery packs, reducing weight and freeing up space on the vehicle for passengers and cargo. WAVE is a technology company, and works with vehicle manufacturers to provide a full solution to fleet operators and owners.  www.waveipt.com

WellDone Technology
WellDone is a hybrid social enterprise building connected solutions to the world’s toughest problems. Many industries across the public, private and nonprofit sectors require custom remote monitoring and control systems for infrastructure maintenance, asset management and impact reporting. Our unique hardware platform allows us to leverage commonalities across these connectivity applications to minimize all-in costs for device volumes less than 100,000 units while simultaneously increasing system robustness and reducing time to market from many months to several weeks. This novel approach breaks the traditional connected device cost structure and enables a completely new application class for customized remote monitoring and control at off-the-shelf prices. We fill a critical market gap between DIY hardware systems like Arduino that are not robust enough for professional use and fully bespoke, custom products that only become economical at very high volumes.  www.welldone.org
Z-Terra Inc.
Z-Terra is a rapidly growing provider of software and service solutions for the upstream oil and gas industry. Z-Terra's software helps oil and gas companies visualize 3-D earth structures and reduce the drilling risk associated with oil and gas exploration from ever more challenging plays. Our vision is to develop the fastest depth processing system in the industry and reduce turnaround time on large seismic projects from 6-8 months to 1 month. Z-Terra has been named in 2012 one of the top ten fastest growing companies in the FastTech 50, Houston based technology companies. Z-Terra's advanced imaging software (Kirchhoff PSTM/PSDM, Tomography, Fast Beam Migration, Wave-Equation Migrations: SPM, RTM, 5-D Interpolation, Diffraction Imaging, Modeling and Illumination) creates high resolution images of the earth's subsurface, revealing complex stratigraphic detail. Z-Terra also provides Time and Depth Processing services. We have worldwide experience processing seismic data from the major sedimentary basins in the world.
www.z-terra.com
Testimonials

*Feedback from Attendees: 2013-2014 Rice Alliance Energy Technology Venture Forums*

"Fantastic program once again that continues to grow in quality and relevance."

"Gold Standard as usual."

"Very well organized."

"You always do a fantastic job."

"I thought the speakers were fantastic."

"I made contacts in two days that would have taken me months if not longer to make on my own."

"Everything was right on schedule and well organized."

"Great value, very educational, and very beneficial!"

"Great exposure to some very interesting startup ideas."

"A great way to hear a lot of ideas in a short period of time."

"The forum is a valuable networking opportunity with the Houston energy startup community and early stage investors and companies."

"Overall was very good. All I can really say is MORE MORE MORE, please!"

"Great connections - thanks!"

"Networking is excellent."

"High quality all around."

"Great event - most of the minor issues were due to the solid attendance and high interest."

"Was nice to have two different tracks and make the agenda more interactive."

"Lots of potential deals."

"Timing of pitches was good - kept the day moving and on time."

"Overall quality of preparation and presentations was very good."
“Insight into how new companies and new technologies can make headway in the energy industry.”

“I’ve been coming for almost 10 years, and it continues to evolve in a positive fashion.”

“You put on a great meeting - keep it up.”

“The format worked very well.”

“The forum was well-organized as it always is.”

“Everything ran smoothly.”

“All went smoothly and on time. Really liked the Office Hours.”

“Educational talks and company presentations a good mix.”

“Great attendees and speakers.”

“The split made sense. The auditorium was geared towards investors and [Room] 116 was more for entrepreneurs.”

“Splitting the event into two separate venues was smart…. I am not an investor, so it was good to have a very relevant alternative.”

“Having two sessions running simultaneously allowed for the attendees to choose topics.”

“The second track in [Room] 116 were all very good.”

“I liked the side sessions - and would suggest to continue.”

“Diverse representation from the entrepreneur, VC, corporate, and academic communities.”

“Excellent opening presentation and disciplined time keeping.”

“Really liked the perspective of both the panel of energy focused VC investors as well as the keynote by Sledzik of Energy Ventures. Important to highlight firms and individuals with deep sector experience on both the operating and financing fronts.”

“I learned some trends that will help us refine our strategy.”

“Appreciation of trends in technology development plus awareness of specific opportunities. The mix of keynotes plus company presentations was very good as always.”

“Learned quite a lot about venture capital processes.”

“Company presentations were better this year. Village Capital timed presentations went extremely well. The timed presentation concept is a good model.”

“Really enjoyed participating in panel, lots of questions and wish we had more time!”

“Liked how company pitch presentations were limited to their times.”

“Office Hours is probably the most useful event in the Houston energy-focused entrepreneurial community.”

“Office hours were great - very good set of companies this year, some really interesting stuff.”

“The office hours were great. I liked the speed dating style 10 minute meetings. This could have lasted longer so that we could meet more companies.”

“Good flow, good timing, great facility.”

“Well organized and structured event. Interesting teams.”

“Very good networking opportunities.”

“Brought in more conventional oil & gas improvements; this will remain the “heart” of the energy business for a long time!”

“All excellent, thank you!!!”

“Overall, everything was very impressive.”

“Great set of people, and companies. Good tempo to the events, so never a dull moment.”

“Very good flow--- keeping things moving at a good pace. Great companies overall.”
“Connected with several potential investors and strategic partners.”

“Several new networking connections and leads.”

“Networking.”

“I am doing due diligence on two companies and got to see what kind of traction they got at the event and got to talk to other investors”.

“As newcomer in Venture world, the forum gave me the opportunity to meet with key players of Upstream O&G Venturing.”

“It was good have exposure to venture capital, investor and other entrepreneur's in a fairly open forum with good social interaction.”

“I made some great contacts and learned some interesting advice from the keynote speakers.”

“Great networking, and presenters!”

“Great networking opportunity.”

“A valuable learning experience and on top of it all getting direction for moving forward with my own venture plans.”

“Contacts to help my company and ideas from the presentations.”

“The panels were definitely a highlight. Great topics, speakers, formats.”

“Corporate investor panel advice was on point”

“Presentations from the companies were better than most years.”

“Company presentations were short, succint, and very well choreographed.”

“High quality companies and high quality investor panels.”

“The investor panels were especially helpful.”

“Very good selection of projects.”

“Exposure to the new developments and startups in energy sector.”

“Great survey of technologies and business models that are hot now. Preview of new products.”

“I learned a lot about entrepreneurship, both from the viewpoint of investors as well as entrepreneurs themselves.”

“I was able to source several new potential investment ideas for funding.”

“I made contacts in two days that would have taken me months if not longer to make on my own.”

“Met several new companies that I can help. Reconnected and visited with investors and CEOs that.”

“Opportunity to meet new businesses.”

“Networking and learning about cutting edge technology.”

“Networking with VC’s and potential prospects.”

“Potential investments.”

“Gained insights into the issues that matter most for investors and corporate venture investors.”

“Learned about new technology trends and met new players in energy investment.”

“Insight on potentially promising technologies.”

“Access to emerging technology trends.”

“Great job on educating, directing, facilitating and connecting entrepreneurs in various fields.”

“These are very well run meetings. I always enjoy them! Keep up the good work”

“Great effort, well organized and administered.”

“Keep up the good work - great event overall”
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<td>Rice patent portfolio had the highest industry impact of any university in the U.S. in 2008 according to Patent Board's University Patent Scorecard</td>
<td>Jesse H. Jones Graduate School of Business George R. Brown School of Engineering Wiess School of Natural Sciences</td>
<td>Rice Alliance for Technology and Entrepreneurship Rice University</td>
<td>© Copyright 2014 Rice Alliance for Technology and Entrepreneurship Rice University</td>
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Venture Forum Speakers

Keynote Speakers

Ahmed Hashmi
Global Head of Upstream Technology
BP

With nearly 30 years industry experience, Ahmed Hashmi has held technical, commercial and leadership positions in Amoco and BP’s worldwide operations in the US, Europe, Africa, Latin America and the Arabian Gulf. In his current role, Ahmed has line accountability for the creation and delivery of BP’s Upstream technology strategy. He leads the Upstream Technology organization which comprises scientists and engineers, technology centers and laboratory facilities in USA and UK, and a global network of research and technology suppliers.

Ahmed serves on the Boards of the International Centre for Advanced Materials at the University of Manchester, UK, and the Energy Biosciences Institute at the University of Berkeley, USA. He is co-founder of the US Energy Policy Coalition, a non-profit organization, which develops scientifically vetted industry material in support of educational awareness. Ahmed enjoys working on and reviewing the intersection of strategy, technology and policy. He authored BP’s Technology Management Handbook and is a frequent speaker at industry events.

Ahmed holds an undergraduate degree in Mathematics and Physics, M.Sc. in Computer Sciences (Operations Research) and MBA in Finance and Economics. He lives in Houston, USA, with his wife and son. His personal interests include reading, travelling with family, music, cycling, swimming, and volunteer work.

BP Ventures has a track record of investing in disruptive innovation. We have committed more than $160 million alongside at least 50 companies and venture capital groups. Our investments span the BP Group, focused on emerging, strategic technologies in five areas: bioenergy and biomaterials; energy efficiency and storage; carbon management, renewable power; and oil and gas. By partnering with growth-stage start-ups, the team accelerates the development of disruptive technologies for BP. We have eight venturing professionals across the US, Europe, China and India.

Henry St. Aubyn
Principal
OTM Consulting

Henry is a Principal Consultant and Head of OTM’s Houston office, taking lead on delivery and business development. His work has focussed on technology strategies and R&D management processes. He recently completed an assignment working with a major
NOC to develop a new long term technology strategy and improved technology management processes, and he will be managing the follow on work to this project. He has also managed and been involved in numerous other projects at OTM, focussing on technology strategy, deployment and market intelligence. Henry holds a Civil Engineering Degree from Cambridge University. Prior to joining OTM, Henry was an Army infantry officer in the Coldstream Guards. He deployed on operations in Afghanistan where he was responsible for 30-40 soldiers. His last position was as adjutant in a training regiment where he was responsible for the manning and discipline of 1,700 recruits and 160 officers and non-commissioned officers.

OTM Consulting, a Science Group company, offers specialist technology advisory, development and deployment services to the oil and gas industry. Connected throughout the industry, we bring broad science and technology expertise, astute market insight and an objective eye to an increasingly complex sector. Integrating deep industry intelligence with our signature approach to strategy development, we work in close collaboration with your team to drive maximum value from your R&D and technology investments. Our approach is based on helping you to understand the landscape you operate in today, decide your future strategy and then develop and deploy the technology to get there successfully.

Plenary Speakers

Brad Burke
Rice Alliance for Technology and Entrepreneurship

Brad Burke is the Managing Director of the Rice Alliance. Most recently, he founded and managed the local office of Viant Corporation, a premier internet consulting firm, delivering internet strategy, creative design, and web technology implementation. Viant went public through an IPO in 1999. Prior to Viant, Brad was a Principal with CSC Index, the management consulting division of Computer Sciences Corporation (CSC). Before consulting, Brad held management positions with Exxon Corporation. He received his M.B.A. from Northwestern University’s Kellogg Graduate School of Management and his B.S. from Vanderbilt University.

The Rice Alliance for Technology and Entrepreneurship (Rice Alliance) is Rice University’s flagship initiative devoted to the support of entrepreneurship. The mission of the Rice Alliance is to provide entrepreneurship education and to support the commercialization of technology innovations and the creation of new companies in the Texas and Houston region. Since inception in 1999, the Rice Alliance has assisted in the launch of over 225 new technology companies, which have raised more than $350 million in early stage funding. Of these, approximately 25 companies have been launched based on technology developed by Rice faculty and researchers and licensed from the Rice Office of Technology Transfer. Unique among many entrepreneurship centers, the Rice Alliance was formed as a strategic alliance of three schools at Rice University: the George R. Brown School of Engineering, the Wiess School of Natural Sciences, and the Jesse H. Jones Graduate School of Management. In 2012, Rice University was recognized as #4 of the best graduate entrepreneurship programs in the U.S. by The Princeton Review and Entrepreneur magazine.

Dan Colbert
North Energy Ventures

Dr. Colbert began his career as a Physical Chemist on the Chemistry faculty of Rice University, from where he and Nobel Laureate Rick Smalley co-founded Carbon Nanotechnologies, Inc. He was CTO of NGEN Partners, and designed and launched the Institute for Energy Efficiency at UC Santa Barbara. He also launched the first cleantech venture fund in Russia under Wermuth Asset Management, and is now Managing Partner of North Energy Ventures, a bi-national Russia/US early-stage cleantech fund.

North Energy Ventures is an early-stage venture capital firm focused on energy efficiency, oil & gas and other energy-related technologies. We are highly active and value-added investors with more than 30 years of experience in venture capital industry and strong track record of building successful companies as investors and entrepreneurs in cleantech and new materials sectors. We partner with exceptional teams developing disruptive technologies with global market potential. North Energy Ventures invests globally and has offices in California, US and Moscow, Russia.

Sean Ebert
Altira Group
Sean is a Partner at Altira Group, LLC, which focuses on oil and gas service and technology investments. Prior to Altira, Sean was a Principal in Booz Allen’s energy practice, where he advised energy companies and private equity firms on a broad set of ‘frontier energy' strategic issues, including portfolio strategy, technology, new business model development and capital investment decisions. Prior to Booz Allen, he was the CEO of the energy technology related start-up company, Foresight Weather. Sean is currently a member of the Board of Directors for four Altira portfolio companies – Premier Oilfield Equipment, Accelergy, Austin Geomodeling and TransZap, and previously was a board member of Syntex Solutions, which was sold to IHS in 2010. Sean holds a MBA, BS Civil Engineering from University of Texas.

Altira Group LLC is a Denver, Colorado-based venture capital firm that invests in technology-advantaged oilfield service companies. Over the past two decades, Altira has raised six funds, invested in over 50 companies, and worked with talented entrepreneurs to build industry-leading companies. Altira’s Fund VI partners include a select group of the U.S. super-independent oil and gas companies that provide valuable resources in the investment decision process and help accelerate the growth of Altira’s portfolio companies by serving as large customers. The Altira team has over 60 years of combined experience investing in and building successful companies in the oil and gas space.

Laurence Hayward
Independence Equity

Laurence K. Hayward is a founding partner of Independence Equity, an early-stage venture capital fund launched in 2011. The fund is actively investing and recently completed its 9th investment. He is co-founder of Cornerstone Angels, a network of accredited investors that has invested in 40 companies since 2006. He is also founder/CEO of VentureLab, an organization that has been launching new ventures since 2002. Previously, he was President of Vcapital.com, an internet start-up that matched entrepreneurs with investors, acquired in 2002. Hayward has been forming, investing in and advising start-ups since 1999 following 8 years at Arthur Andersen in the Emerging Company Services practice. He is a graduate of the Joint MBA/BS program at the University of Illinois in Champaign Urbana and hold Series 7 and 63 licenses.

Independence Equity is an early-stage venture capital fund focused on technologies that reduce input costs such as raw materials, energy, and labor. They improve yield in production processes or decrease waste or scrap. The fund's interests comprise sectors such as material science, industrial innovation (e.g. additive manufacturing), and clean technologies. The Fund invests in early-stage, commercial-ready technologies. We invest anywhere within the U.S., but prefer regions that are currently underserved by venture capital. We initially invest between $500K and $1MM with the objective of holding capital in reserve for follow-on investments.

Choo Kim-Isgitt
Frost Data Capital

Ms. Choo Kim-Isgitt is the COO/VP, Industrial IoT for Frost Data Capital. She is responsible operations, strategy, business development and marketing across the Industrial IoT group of portfolio companies. Choo has over 20 years of experience in executive positions leading sales, operations and marketing for mid to large Fortune 500 enterprises across technology, industrial, agriculture, and consumer markets. Prior to Frost, Choo has served as Vice President of Marketing at SmartDrive Systems, Inc., where she built the global marketing team and drove the corporate market expansion efforts into the commercial transportation industry. In her 20-year career, she held executive positions at Prevoty, M86 Security, Websense, IBM, Samsung, and other global brands. Choo has a B.S. degree in Advertising from the University of Texas in Austin and an M.B.A from the Fuqua School of Business at Duke University.

Frost Data Capital is a combined incubator and venture capital firm with a unique approach, designed specifically to capture some of the enormous value that will be created as the “Big Data” revolution unfolds. Based out of Southern California, Frost Data Capital has built an eco-system of innovative startups, with deep expertise in big data, entrepreneurialism, advanced technology, analytics, Security, and the Industrial Internet.

Dave Kirkpatrick
SJF Ventures

Dave Kirkpatrick is Managing Director and co-founder of SJF Ventures, which focuses on high growth, positive impact ventures. The fund has offices in Durham, NC, New York and San Francisco, and was founded in 1999. Dave helped lead SJF’s capitalization of three funds totaling $135 million. The most recent fund, SJF Ventures III, LP, was closed at $90 million in the spring of 2013 and was oversubscribed beyond its $75 million target. SJF Ventures has invested in 47 portfolio companies and David currently serves on the boards of NEXTracker, Entouch Controls, Community Energy, groSolar, and ED MAP.
Dave’s particular industry focus areas include energy efficiency, recycling & reuse, solar, and M2M enabled resource efficiency companies. Dave earned a BA in Physics and History from Duke University in 1982 and an MBA from UNC Kenan Flagler Business School (KFBS) in 1991. He was named KFBS Executive MBA Alumni of the Year in 2010.

SJF Ventures is a venture capital partnership with offices in Durham, New York and San Francisco. Through its investment funds, the firm provides equity financings from $1MM to $10MM, solo or in syndicates, to companies seeking growth capital. As a venture fund, SJF Ventures focuses on the resource efficiency, sustainability and technology-enhanced services sectors. Representative investment areas include efficiency and infrastructure, asset recovery including reuse and recycling, sustainable agriculture and food safety, health and wellness technology, education technology and digital media and marketing services.

Jim Sledzik
Energy Ventures

Jim Sledzik, senior partner and president of the U.S. office of Energy Ventures, has more than 25 years of experience in the worldwide oil and gas industry. Sledzik currently serves on the board of directors of four portfolio companies: Wireless Seismic, Ingrain, Oscomp and Hicor. Prior to his current position with Energy Ventures, Sledzik served as the Global Marketing & New Technology Director and Vice President of Multiclient Services for WesternGeco and as a Global Account Director for Schlumberger. He holds an MBA in International Business, Joseph M. Katz Graduate School of Business, University of Pittsburgh and a B.Sc. in Geosciences, Pennsylvania State University.

Formed in 2002, Energy Ventures is an independent private equity firm actively seeking early to mid-stage growth investments in companies that deliver a marketable, proprietary product or service with potential in the upstream sector. To date, the company has made 37 investments and successfully exited 18 companies. Energy Ventures currently manages four funds with a total committed capital of $775 million and is dedicated to overseeing these funds with integrity and best-in-class corporate governance standards. Headquartered in Stavanger, Norway with offices in Houston, TX and Aberdeen, Scotland, Energy Ventures is located at the heart of the energy industry and where technology innovations thrive.

Alex Fife
Village Capital

Alex joins Village Capital as their Director of Operations. Previously, Alex worked as an Associate at Community Wealth Partners, a management consulting firm focused on social enterprise. Alex has also worked at the Brookings Institution where he coordinated the operations of the Executive Office, the President’s Special Initiatives, and the Brookings Strategic Plan. Alex received his BA from Duke University and his MBA from University of Virginia Darden School of Business with a Concentration in Innovation and Sustainability.

Village Capital uses the power of peer support to build investment ready companies that can change the world. Through our unique peer-driven business acceleration program—in which entrepreneurs themselves decide which innovations receive funding—we have served over 450 ventures worldwide, building disruptive solutions in energy, water, agriculture, health, financial services, and education. To date, Village Capital has launched 40 programs, invested in 55 enterprises, and leveraged $118 million in follow on capital post-program. The ventures Village Capital has supported have created 8,500 jobs and served 5 million customers around the world.

Kirk Coburn
SURGE Ventures

Kirk Coburn is an entrepreneur and active investor who founded three successful companies before starting SURGE, the world’s leading energy seed fund and mentor-driven accelerator. Under Kirk’s leadership and direction, SURGE has recruited over 50 industry leaders, scientists, investors, policymakers, customers, and entrepreneurs. SURGE has raised three funds and invested in 34 energy technology companies in its first three years. Since inception, SURGE Alumni have raised more than $30 million in funding and landed critical pilots and customers with many of the largest energy companies. Coburn is also personally the most active, early-stage energy investor. Prior to leading SURGE, Coburn created and was CEO of Chief Outsiders (acq. 2010), a Houston-based company with offices in Texas, Florida, Georgia, and New York. Additionally, Coburn launched The PGA TOUR Network on Sirius XM (acq. by SIRI) and founded Pure Golf, a leading provider of golf, tennis, and outdoor programming to the satellite radio industry. Coburn received his MBA and BBA in finance and accounting from the University of Texas at Austin. Outside of work, Coburn serves as an ambassador to the Texas Children’s Hospital and is a supporter of the Rice Alliance. Coburn is an ultra-endurance runner (whom has completed the Leadville Trail 100), open-water swimmer, active standup paddle boarder in both Galveston and Nantucket, competitive golfer, and seventh-generation Texan. He spends his free time indulging in these activities with his
SURGE Ventures is the leading seed fund and mentor-driven accelerator that identifies, invests in, and enables entrepreneurs who are solving the world’s energy problems using technology. SURGE now ranks amongst the top 10 accelerators in the United States. SURGE participants have raised $30M in funding, landed more than 75 enterprise customers, and created more than 200 jobs. Based in Houston, Texas, “The Energy Capital of the World,” SURGE hosts an intensive 4-month boot camp to identify leaders, validate business models, raise capital, and connect its companies to the global energy ecosystems. SURGE has recruited more than 150 of the world’s top scientists, engineers, executives, entrepreneurs, venture capitalists, and angel investors in the energy industry to serve as mentors. For more information, visit www.surgeaccelerator.com and follow SURGE on Twitter, Like us on Facebook, and follow us on LinkedIn. Media Contact: 832.214.0959 ext. 212, inSURGEnts@surgeaccelerator.com

Eric Bielke
GE Ventures

Eric Bielke is a Director at GE Ventures. He focuses on investments in enterprise software and technology-enabled services primarily in the energy sector. Before joining GE, Eric worked with Siemens Venture Capital and was the co-founder and VP of Project Finance for SoCore Energy, a venture-backed commercial-rooftop photovoltaic developer, acquired by Edison International. He also spent time as a consultant with McKinsey & Co where he advised the leadership teams of Fortune 500 companies in the infrastructure, high-tech, and energy industries on issues of technology, cost-control, and supply chain. He has an MBA from the Chicago Booth School of Business and a BA from Dartmouth College.

At GE, we scale ideas and grow companies that advance industries and improve lives. More than just a capital partner GE Ventures provides unrivaled access to a global network of GE expertise and resources. We partner and invest in the best ideas within Software, Healthcare, Energy and Advanced Manufacturing.

George Coyle
ConocoPhillips Technology Ventures

George Coyle leads ConocoPhillips Technology Ventures’ venture capital and Energy Technology Ventures investing activities. Since starting the CVC group at COP 4 years ago, he has focused on finding great teams that are commercializing energy technologies that can improve the performance and sustainability of ConocoPhillips operations. George is a director or observer on the boards of BiSN, Blue Spark Energy, Ciris Energy, Foro Energy, Lance Energy Services, Raptor Oil, Skyonic, Ziebel, and Zilift. He has over 25 years of experience in E&P and technology commercialization, including being President and CEO of a venture capital-backed company developing and manufacturing composite pipe for the offshore and deepwater O&G markets. George worked 19 years with Chevron, starting as a geophysicist and holding positions of increasing responsibility in business and strategic planning, information technology, asset management, new ventures and corporate venture capital. George has a BS in Earth Sciences from the University of New Orleans, an MS in Geology (Geophysics option) from the University of Kansas and an MBA from Tulane University.

ConocoPhillips is the world’s largest independent exploration and production (E&P) company, based on proved reserves and production of liquids and natural gas. Headquartered in Houston, we had operations and activities in 25 countries, approximately 18,100 employees worldwide and total assets of $112 billion as of June 30, 2015.

Issam Dairanieh
BP

Issam leads the corporate venture team at BP investing in strategically aligned energy technologies. Issam manages over $220m of investments in Upstream, downstream and Alternative Energy. Issam brings 30 years of experience in technology assessment, development, deployment and investment. Following his early career in academia, Issam joined Amoco’s New Business Development Division and worked on product and application development as well as in technical service and commercial development. Since 2006, Issam has conducted strategic studies on emerging clean energy technologies providing insights and prospects on business opportunities for BP’s Alternative Energy division. In 2007, Issam joined BP Ventures and in 2010, Issam took on building and leading the US venture team for BP Alternative Energy. In 2011, Issam became the head of the Corporate venture team. In 2014, Issam conceived the idea of and initiated work on creating the first Technology Accelerator in the Middle East focused on Sustainability. Working closely with Masdar Institute’s Innovation center, Issam is leading on creating an ecosystem that nurtures start-ups developing innovative water and/or energy technologies. The technology accelerator will be launched in the first half of 2015. Issam serves as a co-director of the Technology Accelerator.
BP Ventures has a track record of investing in disruptive innovation. We have committed more than $160 million alongside at least 50 companies and venture capital groups. Our investments span the BP Group, focused on emerging, strategic technologies in five areas: bioenergy and biomaterials; energy efficiency and storage; carbon management, renewable power; and oil and gas. By partnering with growth-stage start-ups, the team accelerates the development of disruptive technologies for BP. We have eight venturing professionals across the US, Europe, China and India.

MJ Maloof
Saudi Aramco Energy Ventures

MJ Maloof is an Investment Director with Saudi Aramco Energy Ventures in North America. He has over a decade of investing, operating and consulting experience. Prior to joining the Aramco team, MJ was Director of Business Development for NexSteppe, Inc., a startup focused on the intersection of energy and agriculture. Prior to that MJ was a principal at Braemar Energy Ventures, an energy technology venture firm. He has worked in numerous verticals including fuels and chemicals, unconventional hydrocarbons, energy storage, smart grid, and energy efficiency among others. MJ currently serves on the board of directors of Siluria Technologies and as a board observer to UtiliData. He has previously served on the board of directors of Proterro and as a board observer for Ciris Energy, Fractal Systems, General Fusion, GridNet, NexSteppe, OPX Biotechnologies, Solazyme, Viridity Energy, Cerion Energy and Ioxus. MJ was an associate consultant with Bain & Company in New York. While at Bain, he advised clients in a variety of industries on technology, IP strategy and other internal and customer-driven solutions. MJ graduated from Dartmouth College with a B.A. in both economics and environmental studies.

Saudi Aramco Energy Ventures is the corporate venturing subsidiary of Aramco, the Saudi Arabian national oil company. Our mission is: “to invest globally into early-stage and high growth companies with technologies of strategic importance to Aramco, to accelerate their development and their deployment in the Kingdom of Saudi Arabia.” We invest in upstream and downstream oil and gas, petrochemicals, renewables, energy efficiency and water sectors. Our objective is to deploy technologies that enhance the identification and management of reserves, enhance primary energy production, improve operational efficiency, increase value capture in downstream processing, and support optimization of Kingdom energy and water consumption. We aim to be a value-added strategic investor. We actively support portfolio companies in accessing the Saudi Arabian and regional market, including facilitating business development, localization, and accessing of technical and operational expertise.

Alexander Rozenfeld
Shell Technology Ventures

Alex joined Shell Technology Ventures LLC in 2012, as a founding team Venture Principal. Alex is responsible for STV’s investments in North America, focusing on technology companies that create strategic value and significant leverage for Shell’s oil and gas assets. Alex has worked extensively internationally, including in GameChanger - Shell’s innovation “angel capital” team. Prior to Shell, Alex worked with several VCs, and managed power business development at Texaco. Alex received his BSE from Princeton University, in an interdisciplinary program with the Woodrow Wilson School. Alex also has an MBA from MIT’s Sloan School, where he focused on entrepreneurship and started his first company. Although not a native of Texas, this is his 4th time living in Houston, where he is also an active member of the Houston Angels Network.

Shell Technology Ventures is the corporate strategic investor for Shell. Our goal is to speed up the deployment of new technologies in Shell by making minority investments in companies who are developing and commercializing technologies and business model innovations in oil & gas, renewable energy, IT and adjacent industry areas; and who’s proposition can create substantial value if deployed at scale in Shell; or who’s proposition is aligned with Shell’s view of how the energy system will transition over the next couple of decades and may offer Shell an option for future growth in the renewable energy domain.

Karen Love
PKF Texas

Karen Love found the accounting marketing world in the mid 90’s, when business development was a word rarely heard in our industry. Operating in the 4th largest city in the US with an environment of entrepreneurship and international flavor, Karen has played a tremendous role in the strategic direction of the firm for the past 14 years, and in 2005, became a director/owner. Her innovative practice growth strategies and inside-out approach to practicing what she preaches has enabled the professionals at PKF Texas to gain access to strategically key organizations in international Houston. Karen is a strategic advisor to PKF Texas President, Kenneth Guidry on marketplace initiatives.

Karen has mentored and blazed the trail for other accounting marketing professionals in her more than 19 years in the industry, and has been recognized as one of Accounting
Today's 100 Most Influential People, a Marketer of the Year by the Association for Accounting Marketing (AAM), and was inducted into the AAM Hall of Fame in 2009. She was named one of the 2011 Women on the Move by the Texas Executive Women and Houston's 50 Most Influential Women by Houston Woman Magazine. Her passion for corporate social responsibility began early in her career with her work on the Texas State Board of the American Heart Association, and continues to be an essential element of her leadership at PKF Texas.

Pannell Kerr Forster of Texas, P.C. (PKF Texas) is the CPA firm with a 29 year history focused on assisting entrepreneurial-minded businesses in Houston's energy economy. With 50% of our clients backed by private equity, we are valued advisors for companies seeking the next stage of funding. Representing cross-section of industries, public and private companies with sophisticated needs seek us out for audit, joint venture consulting, accounting, domestic/international tax, entrepreneurial advisory services, outsource and co-source accountancy services and middle management coaching.

Symposium Speakers

Mitch Jacobson
Austin Technology Incubator

Mitch has been a leader in bringing together government, industry, academia, utility and community interests to organize and shape a Clean Technology and Clean Energy Cluster in Central Texas. He is the Co-Director of the Clean Energy Incubator at the University of Texas at Austin. Mitch is the past board Chairman of the Board of the CleanTX Foundation, our cluster development organization for clean technology in Central Texas. He still serves on the CleanTX Board, is on the Advisory Board for SXSW Eco, The Environmental Sciences Institute at UT Austin, Nature Conservatory, and The Austin Young Chamber. Prior to diving into the Clean Energy World, Mitch was in the Computer / IT industry for 25 years. He founded of Eyes of Texas Partners angel investment group, a network of angel investors in Texas that invested in companies developing innovative products and services in the region. He was the VP of Sales for Tech Data Corporation and Director of Sales, European expansion and ROW expansion for Dell for many years. He lives in Austin, TX with his wife Janna, daughters Sheila and Hailey and son Jarrod.

Founded in 2001, our Clean Energy Incubator (CEI) is one of the longest established energy and clean tech incubators in the United States. This is appropriate: our parent institution, the University of Texas, does more energy research than any other university in the world.

Kirk Coburn
SURGE Ventures

Kirk Coburn is an entrepreneur and active investor who founded three successful companies before starting SURGE, the world's leading energy seed fund and mentor-driven accelerator. Under Kirk's leadership and direction, SURGE has recruited over 150 industry leaders, scientists, investors, policymakers, customers, and entrepreneurs. SURGE has raised three funds and invested in 34 energy technology companies in its first three years. Since inception, SURGE Alumni have raised more than $30 million in funding and landed critical pilots and customers with many of the largest energy companies. Coburn is also personally the most active, early-stage energy investor. Prior to leading SURGE, Coburn created and was CEO of Chief Outsiders (acq. 2010), a Houston-based company with offices in Texas, Florida, Georgia, and New York. Additionally, Coburn launched The PGA TOUR Network on Sirius XM (acq. by SIRI) and founded Pure Golf, a leading provider of golf, tennis, and outdoor programming to the satellite radio industry. Coburn received his MBA and BBA in finance and accounting from the University of Texas at Austin. Outside of work, Coburn serves as an ambassador to the Texas Children's Hospital and is a supporter of the Rice Alliance. Coburn is an ultra-endurance runner (whom has completed the Leadville Trail 100), open-water swimmer, active standup paddle boarder in both Galveston and Nantucket, competitive golfer, and seventh-generation Texan. He spends his free time indulging in these activities with his wife and children.

Nick Tillmann
Houston Technology Center

Nick Tillmann serves as the Director of Client Acceleration for the Energy Sector. Mr. Tillmann is a seasoned energy executive whose experience includes more than 25 years with ConocoPhillips. He managed the company's $500 MM global petroleum coke business, led strategy management for European businesses and started the company's operations in Poland. Other roles included international crude oil supply operations, lubricants and the commercialization of technology-based products such as flow improvers, advanced separation systems and carbon products. Nick has lived and worked in Austria, Ireland, Poland, the Czech Republic and the United Kingdom and has led business development projects in the US, Europe, South America and the Middle East.

http://alliance.rice.edu/2015_Energy_Venture_Forum_Speakers/
Andrew Clark
Texas Halo Fund

Andrew Clark is a founder and principal with The Castell Group, LLC, an investment and advisory firm assisting companies in the technology business. He has a 30-year career spanning many facets of the technology and energy business. He is a prior President and Chairman of the Houston Angel Network. With HAN, he has invested in numerous companies spanning industries from consumer products, software, Internet-based, and cleantech to life sciences. He currently serves on the board of Quarn. He previously served on the boards of Onit and Nutshell Mall, where he supported its acquisition by Constant Contact. He served as a board observer for CSIdentity, leading to a significant investment by private equity and growth capital firm Investcorp. Andrew is also associated with the Houston Technology Center as an Entrepreneur in Residence, where he volunteers his time to serve on its mentor program, offering gratis consulting and advice to client companies. He is also a venture advisor with The Mercury Fund. His corporate career covers stints at Reliant Energy, Compaq Computer (now Hewlett Packard), and Coopers & Lybrand (now IBM and PricewaterhouseCoopers). He is a graduate of The Wharton School of the University of Pennsylvania where he received his BS with a concentration in Entrepreneurship. He was both a Benjamin Franklin Scholar and a University Scholar at Penn.

The Texas Halo Fund is a seed stage venture capital partnership that makes equity investments in early stage companies in the energy, life science, information technology, telecom, and consumer sectors. The fund partners with other angel investors, angel groups, and venture firms across the country who invest in high growth companies that in three to seven years can attain enterprise exit values between $30 million and $100 million on a minimal capital investment. The Halo Fund’s investments range from $75,000 in seed rounds to over $1 million in series A and B financings.

Juliana Garaizar
Houston Angel Network

Juliana is the Managing Director Houston Angel Network (Most active angel network in the US in 2014), Senior Advisor of the Rising Tide Fund and a Kauffman Fellow. Juliana was the Manager of the Sophia Business Angels network in the French Riviera (EBAN’s Best European Angel Network in 2010) and of Antipolis Innovation Campus, the Business Innovation Centre in Sophia Antipolis (EBN Euroleaders Award for Fast Track Access To Early Stage Finance in 2008), as well as Project Manager of several International Projects funded by the European Commission. Previously, Juliana worked for 5 years in Singapore: first as an International Trade Consultant for the Trade Commission of Spain in a broad range of industry sectors and then as a Project Manager for the Asia Technology Office of Citigroup, leading projects at international level. Juliana obtained an MBA at the London Business School, specializing in Entrepreneurship. She is President of the London Business Angels sidecar funds SBA ISF Holding and Expert Committee Member of Sucesos Europe (EBAN’s Best European Early Stage Fund 2010), a member of the UT Horizons Fund External Advisory Committee and an International Founding Member of Istanbul’s Galata Business Angels. Juliana has been recently honored with the Strathmore’s Who is Who Professional of the Year 2015 award in Financial Consulting and Investments.

The Houston Angel Network (HAN) is the oldest angel network in Texas and most active angel network in the USA. Its members have invested more than $67M in more than 200 deals since its inception in 2001. In 2014, HAN members invested $15.3M in 66 deals. The typical individual HAN member is an accredited investor seriously interested in providing capital and coaching to early stage companies. HAN also has institutional members such as seed funds, accelerators, universities and other networks within the innovation ecosystem. HAN is a non-profit association that does not charge fees to entrepreneurs; its revenue consists of membership fees and sponsorships.
of the Central Texas Angel Network. He has invested in more than 25 companies and has had numerous Board roles. From 2004 to 2008 he was Senior Vice President and General Manager of the Industrial Products Division of Cirrus Logic. Prior to that, he served as Vice President of Engineering for Cicada Semiconductor, an Austin start-up acquired by Vitesse Semiconductor in 2004. Dr. Paulos started his career as a faculty member of North Carolina State University, leaving as a tenured Associate Professor in 1993. Dr. Paulos holds B.S., M.S. and Ph.D. degrees from the Massachusetts Institute of Technology.

Having invested more than $62 million in 110 companies since 2006, the Central Texas Angel Network (CTAN) is one of the top angel investing networks in the country and a significant source of early-stage capital to Texas entrepreneurs. A nonprofit, member-based organization, the angel network features more than 145 individual accredited investors from an extensive cross-section of sectors. CTAN members not only invest; they also mentor entrepreneurs and connect them to business resources, providing critical support to the success of early-stage business and the Texas economy.

Sandra Gonzalez
BBVA Compass

Sandra Gonzalez currently serves as the Merchant Area Sales Manager for the South Texas Region for BBVA Compass. She is currently responsible for driving merchant services sales revenue growth as well as referrals by training the region’s personal bankers. During her 8 years tenure with BBVA Compass she has maintained record breaking production and support in four different positions. Sandra has been in the banking industry for 11 years. She became a Personal Banker for Chase Bank in 2004 before joining the BBVA Compass Team in 2007. Sandra started her career with BBVA Compass on the consumer side as a Preferred Relationship Manager where she was responsible for building, growing and maintaining a portfolio of 600 mass affluent clients. During the years before discovering her passion for business products she was the recipient of the Annual Gold Club in 2008 and Pinnacle Club in 2009. In 2014 she became a Regional Business Segment Specialist, where she effectively supported the merchant production for 162 branches and 19 business bankers in South and East Texas. Later, Sandra joined the Merchant team as the Area Sales Manager where she effectively manages the relationship between BBVA and First Data by working with the First Data Sales Directors and the Business Consultants to ensure we maintained a good partnership.

BBVA Compass Bancshares, Inc. is a Sunbelt-based bank holding company whose subsidiary, Compass Bank, operates 685 branches under the trade name BBVA Compass in Texas, Alabama, Arizona, California, Florida, Colorado and New Mexico. BBVA Compass ranks among the top 25 largest U.S. commercial banks based on deposit market share and ranks among the largest banks in Alabama (2nd), Texas (4th) and Arizona (5th). BBVA Compass has been recognized as one of the leading small business lenders by the Small Business Administration and was awarded the 2013 Celent “Model Bank Award” for its new core banking platform.

Dustin Hollas
Comerica Bank

Dustin Hollas is a vice president with Comerica Bank’s Technology and Life Science Group, where he specializes in providing customized lending, treasury and investment solutions to early, middle and late-stage technology companies. With more than 12 years’ experience in the financial services industry, he assists companies ranging from startups raising their initial seed funding to late-stage public companies with revenues in excess of $1 billion. Before joining Comerica, he was a commercial banker at J.P. Morgan Chase. Dustin was born and raised in Houston and is a graduate of Texas A&M University.

David McLaughlin
Square 1 Bank

David has over 19 years of financial experience, with over 15 years in the venture banking industry. He formerly served as Vice President in the Technology and Life Sciences Division of Comerica Bank and Imperial Bank’s Emerging Growth Division. Previous positions were as a bank officer in the commercial lending groups of Frost Bank and NationsBank, as a field Staff Representative for an international non-profit organization and as a field financial analyst with the Mining Division of Shell Oil Company.

Square 1 Bank is a full service commercial bank dedicated exclusively to serving the financial needs of the venture capital community and entrepreneurs in all stages of growth and expansion. Square 1’s expertise, focus and strong capital base provide flexible resources and unmatched support to meet our clients’ needs. Square 1 has offices
Nathan Roach
MassVenture

Nathan Roach is a San Antonio-based entrepreneur and attorney. Nathan is Founder/CEO of MassVenture, a leading Texas equity crowdfunding platform. Nathan has been a strong advocate for legal reforms to allow investment crowdfunding in Texas and at the national level. Additionally, Nathan is Corporate Counsel at MWR Legal, a full-service law firm representing and connecting innovators, startups and high-growth companies. An attorney and technologist, Mr. Roach focuses on helping inventors, innovators, and startups avoid trouble, protect their IP, and stay focused on transforming their field of endeavor. Upon graduation from Trinity University, Nathan began his career in technology as employee number 19 at Rackspace Managed Hosting, rising from self taught webmaster to Project Manager. He took his technology skills into the business world, founding Litigation Dynamics, a litigation support company that anticipated the growing need for technology support in the legal profession. After his exit, Nathan attended law school where he helped direct implementation of the St. Mary’s University School of Law Technology Courtroom.

As Texas’ first state-approved equity crowdfunding portal, MassVenture helps Texans access dynamic real estate ventures previously available to only the wealthiest investors and fund managers. With the new Texas crowdfunding rules in place, accredited and non-accredited investors looking to diversify their portfolios and invest inside and outside of their communities, MassVenture offers a simple and easy platform to connect to select statewide real estate deals. And for real estate developers looking to raise capital, MassVenture provides access to rapid equity via crowdfunding that oftentimes takes many months to secure through more traditional means.

Vik Thapar
Cypress Growth Capital

Vik has sixteen years of experience spanning venture capital, private equity and information technology consulting. As a Principal with Cypress Growth Capital, his responsibilities span all aspects of the investment lifecycle including identifying promising potential companies, conducting due diligence and providing ongoing support to portfolio companies. Prior to joining the Cypress team, Vik spent three years with a state-sponsored venture capital fund in Texas. The first decade of his career, Vik worked in the information technology field as a consultant to Fortune 500 companies. Vik currently serves on the Board of Directors of TeXchange, the Southwest Venture Forum and the University of Texas – Dallas Institute for Innovation & Entrepreneurship. He is a frequent guest lecturer and panelist on entrepreneurial topics at SMU, TCU and the University of Texas at Dallas. He holds a Master of Business Administration from SMU University, with a concentration in Entrepreneurial Studies and Strategy, and a Bachelor of Science degree from University of Texas at Dallas.

Cypress Growth Capital is the largest and most active royalty-based growth capital firm in the U.S., with $80,000,000 of committed capital across two funds. We provide an innovative, yet proven, source of funding for emerging and expanding companies. An alternative to traditional debt and equity instruments, royalty-based growth capital offers entrepreneurs access to significant capital while preserving equity and control. Our firm invests $1 million to $5 million in software and technology-enabled business services companies. Since 2011, we have completed nineteen investments. With $50,000,000 in committed capital in our second fund and an investment team that has extensive entrepreneurial and operating experience, Cypress Growth Capital is a valuable and proven funding partner.

Russ Capper
The EnergyMakers

Russ Capper has led multiple technology companies from concept formation to execution, expansion and exit. After a 12 year stint with IBM in the 80’s and equity stakes and leadership positions at Techtron Inc. and Document Services Inc, both of which he sold, Russ founded eRealty.com which became the country’s first online brokerage displaying full MLS data online. Prudential acquired eRealty in 2004. In 2005 he launched The BusinessMakers Show, a web-based video production and radio show that showcases entrepreneurs and in 2011 he founded and launched The EnergyMakers Show which features energy industry innovators and policy-makers.

The BusinessMakers Show is a weekly broadcast featuring ‘make it happen’ innovators and entrepreneurs. Russ Capper, entrepreneur joins up with John Beddow publisher of the Houston Business Journal to feature those that most positively affect our lives. The Show is webcast, podcast and archived at www.TheBusinessMakers.com, and is broadcast in Houston on KPRC 950am every Sunday at 6pm and on 20 stations that are part of The Business TalkRadio Network. The EnergyMakers Show is a weekly video digital media production featuring energy innovators, sponsored by Comcast Business.
Art Schroeder
Energy Valley

Art Schroeder is CEO of Energy Valley Inc. providing money, marketing and management to advance energy related technologies. Art has more than 30 years’ experience in operations, engineering, construction, corporate strategy and crisis management, and technology development and commercialization. During the last 15 years Energy Valley has executed on more than 100 projects ranging in size from $250k – $5M+ and assisted clients ranging from global integrated oil companies to numerous small start ups. Art sits on a number of corporate, professional, and civic boards and has published and/or presented over 100 technical papers. Art graduated from Georgia Tech with bachelor’s and master’s in chemical engineering and from the University of Houston with an MBA.

Our primary business is to identify and develop market opportunities within the upstream energy segment and commercialize / grow technologies by providing: Strategic advice and business planning / management support; Market analysis and entry strategies & techno-economic evaluations; Assistance with commercialization strategies, alliances, partnerships and acquisitions; and Project management. Our core competencies include: Techno-economic evaluations of new technical concepts and adaptation of existing technologies for re-deployment to oil & gas sector; Project management; and Systems engineering and analysis with emphasis on subsea processing and integrity management and system reliability.

Greg Kusinski
Chevron DeepStar

Greg Kusinski was appointed Director of DeepStar® by Chevron in 2012. Since 1998 he has worked in various corporate capacities focusing on technology development, acceleration and commercialization. During a portion of this time he was responsible for technology development at a startup company that commercialized new technology licensed from UC Berkeley and Lawrence Berkeley National Laboratory. Dr. Kusinski received a degree in engineering from AGH University, Krakow, Poland and went on to earn B.S., M.S. and Ph.D. in Materials Science and Mineral Engineering from UC Berkeley where he also completed the Management of Technology program. Dr. Kusinski currently serves on several advisory boards and recently earned an EMBA from Rice University.

DeepStar is a joint industry technology development project focused on advancing the technologies to meet its members’ deepwater business needs to deliver increased production and reserves. We provide a forum to execute deepwater technology development projects and leverage the financial and technical resources of the deepwater industry.

John Bartos
Cameron

John Bartos was named Vice President, Development and Technology for Cameron in May, 2007. He is responsible for identifying and implementing new technology that support Cameron’s engineering processes and product development initiatives. Bartos had served as vice president, engineering and product development for Cameron’s Compression Systems division since 2003. He joined Cameron in 2000 as vice president, engineering for Compression Systems’ centrifugal compressor business and also held leadership roles in the division’s Lean Six Sigma program as well as in reciprocating engineering, information technology and technical training functions. Before joining Cameron, Bartos held similar positions with Ingersoll Rand and with A C Compressor. He has a Bachelor of Engineering degree in Mechanical Engineering from Stevens Institute of Technology in Hoboken, NJ.

Cameron is a leading provider of flow equipment products, systems and services to worldwide oil, gas and process industries. Leveraging its global manufacturing, engineering and sales and service network, Cameron works with drilling contractors, oil & gas producers, pipeline operators, refiners and other process owners to control, direct, adjust, process, measure and compress pressures and flows.

Jim O’Sullivan
Technip

Jim O’Sullivan is Vice President and Chief Technology Officer of Technip USA, and manages the Offshore Technology Services (OTS) Department. OTS provides advanced technical services to offshore projects and manages company research regarding floating systems. Mr. O’Sullivan is responsible for the company’s floating facility products that include developing and launching new technologies, along with supporting established products. He has 40 years of experience in the oil & gas industry, covering technology development, engineering, project management, commercial project development and
multiple business related activities. He received a BS in Mechanical Engineering from North Carolina State University, a Masters in Ocean Engineering from MIT, a Professional Ocean Engineers Degree from MIT and Woods Hole Oceanographic Institution, and an MBA from Rice University’s Jones Graduate School of Business.

Technip is a world leader in project management, engineering and construction for the energy industry. From the deepest subsea oil & gas developments to the largest and most complex offshore and onshore infrastructures, our 40,000 people are constantly offering the best solutions and most innovative technologies to meet the world’s energy challenges. Present in 48 countries, Technip has state-of-the-art industrial assets on all continents and operates a fleet of specialized vessels for pipeline installation and subsea construction.

Rob Perry
FMC Technologies

Rob Perry is Director of Global Subsea Processing for FMC Technologies, covering activities in Norway, Houston, Brazil, and Asia Pacific. He has been with FMC for 5 years. Rob joined FMC from BP, where he was Vice President for Global Deepwater Facilities Technology, in Houston; having worked for BP for 22 years, in a variety of business, engineering and operational roles in USA, Europe and Middle East. Rob holds an MBA from London Business School and a Chemical Engineering Degree from Loughborough (pronounced Luf-bur-ruh) University; he is a professional engineer and a member of the Society of Petroleum Engineers and the Institute of Chemical Engineers.

FMC Technologies, Inc. (NYSE: FTI) is a leading global provider of technology solutions for the energy industry. Named by Forbes® Magazine as one of the World’s Most Innovative Companies in 2013, the Company has approximately 19,700 employees and operates 30 production facilities in 17 countries. FMC Technologies designs, manufactures and services technologically sophisticated systems and products such as subsea production and processing systems, surface wellhead systems, high pressure fluid control equipment, measurement solutions, and marine loading systems for the oil and gas industry.

Jose Gutierrez
Transocean

Dr. Gutierrez is the Director of Technology and Innovation at Transocean focused on the delivery of sustainable innovation tailored for the Oil and Gas industry. His efforts are framed in the execution of business and technology development activities that enable the introduction of new products designed to augment operational integrity in deepwater offshore drilling operations. In addition, Dr. Gutierrez is Adjunct Professor of Subsea Engineering in the Cullen School of Engineering at the University of Houston providing guidance on relevant research topics aligned to the business needs of the industry. Dr. Gutierrez has more than 20 years of experience managing innovation and technology strategy for companies such as Emerson Electric and Eaton Corporation.

Transocean helps customers find and develop oil and natural gas reserves. Building on more than 50 years of experience with the highest specification rigs, our employees are focused on safety and premier offshore drilling performance. They are a leading international provider of offshore contract drilling services for energy companies, owning and operating among the world’s most versatile fleets with a particular focus on deepwater and harsh-environment drilling. Transocean’s fleet of 63 mobile offshore drilling units includes the world’s largest fleet of high-specification rigs consisting of ultra-deepwater, deepwater and premium jackup rigs. In addition, they have seven ultra-deepwater drillships and five high-specification jackups under construction.

Joe Leimkuhler
LLOG Exploration

Joe Leimkuhler is the Vice President of Drilling for LLOG Exploration based in Covington, Louisiana. Joe is responsible for all Drilling and Completion Operations and Well Engineering for LLOG. Prior to joining LLOG in early 2012 Joe was the Offshore Well Delivery Manager for Shell International E&P Co. (SIEP) covering all Gulf of Mexico well operations for all Semi-Submersible and Drillships. Prior to the SIEP role, Joe served in a similar role as the Offshore Well Delivery Manager for Shell E&P – Americas, covering all TLP, Platform and Jack-Up based offshore well operations in the Americas. Over the last 30 years he has worked Well Engineering and Drilling Operations in a variety of capacities. Joe graduated from the University of Montana in 1981 with BS degrees in Geology and Forestry; in 1987 he graduated from the University of Wyoming with a MS in Petroleum Engineering.

LLOG Exploration is an American success story. Founded in 1977 in Metairie, Louisiana, we have grown from a humble beginning. Starting with just a few passionate and talented individuals, LLOG has developed into one of the leading private deepwater exploration companies in the Gulf of Mexico, and the top private liquid producer in the United States. LLOG has never been limited by its size, and we are doing great things. Our scope of
influence reaches across the industry as we keep innovation and excellence at the forefront of everything we do.

Surya Rajan
Baker Hughes

Currently on special assignment on the integration planning team for BHI’s upcoming acquisition by Halliburton, Surya was formerly responsible for market strategy for BHI’s global portfolio of products, services, and technology. Surya has over 26 years of diverse experience across the oil and gas industry from upstream to downstream, and most everything in-between; his numerous publications and talks span an equally varied spectrum of topics. Surya holds a BS and an MS in Petroleum Engineering, and an MBA focused on Global Energy.

Baker Hughes Incorporated (NYSE: BHI) provides technology and services that enable oil and gas companies to deliver safe, affordable energy to the world. The company has been in business for more than a century and employs approximately 59,000 people in more than 80 countries. At the core of the Baker Hughes DNA is innovation in the design and construction of, and production from, oil and gas wells. Today, that technology leadership creates value by developing new ways to help customers improve well construction efficiency, integrating technology and services to develop new solutions that accelerate and optimize hydrocarbon production, and researching new ways to increase ultimate recovery. Beyond the upstream sector of the oil and gas industry, Baker Hughes serves the midstream and downstream markets with technologies and chemistries that ensure safe, reliable transmission and processing of hydrocarbons.
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Confirmed participating investors, venture capital, and industry participants include the following:

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Baker Hughes      North Energy Ventures
Baylor Angel Network  North Texas Angel Network
BP Ventures         OTM Consulting
Cameron            Palmetto Investments
Central Texas Angel Network (CTAN)  PKF Texas
Chevron Technology Ventures  Renewable Tech Ventures
Comerica – Technology and Life Sciences  Repsol Energy Ventures
ConocoPhillips Technology Ventures  Saudi Aramco Energy Ventures
Creeris Ventures  Schlumberger
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