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ENERGY TECH VENTURE FORUM XVIII

SEPTEMBER 15-17, 2020

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Rice Alliance Energy Tech Venture Forum
Program Agenda

(Join the event by clicking the unique link sent to you from GoToWebinar)

Tuesday, September 15

9:00 - 9:05 AM	**Welcome** Brad Burke, Managing Director, Rice Alliance for Technology and Entrepreneurship
9:05 - 9:50 AM	**Opening Keynote with Q&A: The Trends Shaping Our Energy World** Maynard Holt, CEO, Tudor, Pickering, Holt & Co.
9:50 - 10:00 AM	***Break***
10:00 - 10:50 AM	**Corporate VC Panel with Q&A - Driving Innovation When it is Most Needed** *How Corporate VCs are addressing short-term challenges while capitalizing on longer-term corporate priorities.* **Presented by Leyendecker & Associates** **Moderator:** Heath Butler, Network Partner, Mercury Fund • Kemal Anbarci, Managing Venture Executive, Chevron Technology Ventures • Nazeer Bhore, Global Manager, Technology Scouting & Ventures, ExxonMobil Research and Engineering, ExxonMobil • Kirk Coburn, Investment Director, Shell Ventures • Severine Lalande, Principal, Total Carbon Neutrality Ventures • Jim Sledzik, Managing Director, North America, Saudi Aramco Energy Ventures
10:50 - 11:00 AM	***Break***
11:00 - 11:50 AM	**Company Presentations - Upstream Technology Innovations** • Tri-D Dynamics • Modumetal • Troposphere Monitoring • Westgen Technologies • CarboEvolution • Swirltex • OriGen.AI • Subsea Shuttle **Industry Q&A Panel** • Chad Bown, Senior Venture Principal, BP Ventures • Diana Grauer, Director, Research & Chief Research Engineer, TechnipFMC • Thomas Henry, Chief Operating Officer & Co-Founder, Eunike Ventures • Sha-Chelle Manning, Advisor, Cimarex Energy
11:50 AM - 1:00 PM	***Lunch Break***
1:00 - 3:00 PM	**Company Showcase - Open Q&A (15 minutes per company)** Hosted through Zoom. Each company will have a 15-minute session at a designated time.

1:00 - 1:14	Tri-D Dynamics
1:15 - 1:29	Modumetal
1:30 - 1:44	Troposphere Monitoring
1:45 - 1:59	Westgen Technologies
2:00 - 2:14	CarboEvolution
2:15 - 2:29	Swirltex
2:30 - 2:44	OriGen.AI
2:45 - 2:59	Subsea Shuttle

Wednesday, September 16

9:00 - 9:05 AM **Welcome**
Brad Burke, Managing Director, Rice Alliance for Technology and Entrepreneurship

9:05 - 9:50 AM **Venture Capital Panel with Q&A - Following the Money: Has the Pandemic and Recession Changed Anything?**
How VCs are hedging their investment return bets (or not) between Investing in Traditional Energy Technology Ventures vs. Focusing on the Energy Transition.

Moderator: Sandy Guitar, Managing Director, HX Venture Fund

- Ricardo Angel, Managing Director & CEO, PIVA
- George Coyle, Managing Partner, Energy Innovation Capital
- Sean Ebert, Partner, Altira
- Hossam Elbadawy, Managing Director, SCF Ventures & Technology Partner, SCF Partners
- Cory Steffek, Managing Director, Ara Partners

9:50 - 10:00 AM ***Break***

10:00 - 10:50 AM **Company Presentations - Renewable & Alternative Energy Technologies**

- CarbonFree Chemicals
- CalWave Power Technologies
- AeroShield Materials
- QD Solar
- Osazda Energy
- W7energy
- CTFusion
- Seaformatics Systems

Industry Q&A Panel

- Luis Alcoser, Venture Executive, Chevron Technology Ventures
- Jacqueline Goodman, Senior Analyst, SJF Ventures
- Oliver Phillips, Director, Lime Rock New Energy

10:50 - 11:00 AM ***Break***

11:00 - 11:50 AM **Company Presentations - Digital Energy Technology Solutions**

- DroneDeploy
- SeekOps
- Mira
- SensorUp
- Xecta
- Belmont Technology
- Osperity
- DC3 Control

Industry Q&A Panel

- Robert Allen, Director, Evok Innovations
- Anand Pradhan, Head of Digital Transformation & Technology Ventures, DCP Midstream
- Michael Wheeler, Principal Strategist, Corporate Strategy - North America, Equinor

11:50 AM - 1:00 PM ***Lunch Break***

1:00 - 5:00 PM **Company Showcase - Open Q&A (15 minutes per company)**
Hosted through Zoom. Each company will have a 15-minute session at a designated time.

1:00 - 1:14	CarbonFree Chemicals
1:15 - 1:29	CalWave Power Technologies
1:30 - 1:44	AeroShield Materials
1:45 - 1:59	QD Solar
2:00 - 2:14	Osazda Energy
2:15 - 2:29	W7energy
2:30 - 2:44	CTFusion
2:45 - 2:59	Seaformatics Systems
3:00 - 3:14	DroneDeploy
3:15 - 3:29	SeekOps
3:30 - 3:44	Mira
3:45 - 3:59	SensorUp
4:00 - 4:14	Xecta
4:15 - 4:29	Osperity
4:30 - 4:44	DC3 Control

Thursday, September 17

9:00 - 9:05 AM **Welcome**
Brad Burke, Managing Director, Rice Alliance for Technology and Entrepreneurship

9:05 - 9:50 AM **Company Presentations - Sustainability & Efficiency Technologies: Storage, Monitoring, & Infrastructure**

- Prieto Battery
- Akselos
- Bluefield Technologies
- EnPower
- South 8 Technologies
- CEGEN Environmental Group
- Acoustic Wells
- DemandQ

Industry Q&A Panel

- David Forsberg, Managing Partner, Ascent Energy Ventures
- Samantha Lewis, Investment Director, GOOSE Capital
- Deanna Zhang, Energy Tech Investment Banking Director, Tudor, Pickering, Holt & Co

9:50 - 10:00 AM ***Break***

10:00 - 10:50 AM **Company Presentations - O&G Industry Solutions: Carbon Capture, Storage, Water Treatment, & Other Technologies**

- Sylvan Source (SSI)
- Mosaic Materials
- Kuva Systems
- Iconic Air
- Infinite Cooling
- Steelhead Composites
- HEBI Robotics
- Veros Systems

Industry Q&A Panel

- Patrick Conroy, Partner, Intervale Capital
- Patrizia Ingallina, Head of Intellectual Property, Eni
- John Thurmond, Principal Advisor - Emerging Technology, Hess

10:50 - 11:00 AM ***Break***

11:00 - 11:50 AM **Energy Transition Panel with Q&A - Investing for a Net Zero Future**
Is it possible to achieve a sustainable energy future while generating venture capital returns?

Presented by Halliburton Labs

Moderator: Meghan Nutting, Executive VP, Policy & Communications, Sunnova

- Rishi Bhakar, Vice President, Energy Innovation Investments, Tenaska
- Andrea Course, Venture Principal, Shell Ventures
- Ganesh Kailasam, Head of Technology, OGCI Climate Investments
- Juan Muldoon, Partner, Energize Ventures
- Katherine Zamsky, Managing Partner, Carbon Ventures

11:50 AM– 12:30 PM **Most Promising Companies Announcement - Presented by Insperity + Eternal Energy Consulting Prize Package**

Special Announcement

- Bob Harvey, President and CEO, Greater Houston Partnership
- Brad Burke, Managing Director, Rice Alliance for Technology and Entrepreneurship
- Jenny Flores, Head of Small Business Growth Philanthropy, Wells Fargo Foundation
- President David Leebron, Rice University
- Mayor Sylvester Turner, City of Houston

12:30 - 1:00 PM ***Lunch Break***

1:00 - 5:00 PM **Company Showcase - Open Q&A**

Hosted through Zoom. Each company will have a 15-minute session at a designated time.

1:00 - 1:14	Prieto Battery
1:15 - 1:29	Akselos
1:30 - 1:44	Bluefield Technologies
1:45 - 1:59	EnPower
2:00 - 2:14	CEGEN Environmental Group
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4:15 - 4:29	HEBI Robotics
4:30 - 4:44	Veros Systems

Keynote

Maynard Holt
CEO
Tudor, Pickering, Holt & Co.

Maynard Holt serves as Chief Executive Officer of Tudor, Pickering, Holt & Co. and has over 25 years of energy investment banking experience. Prior to joining Tudor, Pickering, Holt & Co. in 2007 and heading the Upstream Investment Banking group, Maynard previously served as a managing director with Goldman, Sachs & Co. where he worked in Leveraged and Structured Finance (1994 to 1998) and Energy & Power / Natural Resources (1999 to 2007). Maynard holds a BA in Economics and Russian from Rice University and a Masters in Public Policy from the John F. Kennedy School of Government at Harvard University. Maynard sits on the Pickering Energy Partners Advisory Board. In addition, Maynard serves on the board of a number of philanthropic organizations including OneGoal Graduation, The Houston Museum of Natural Science, Community in Schools, and the University of Oklahoma Energy Management Board of Advisors. He is also a member of the George W. Bush Advisory Council also sits on the board of Texas 2036.

Panelists & Speakers

Luis Alcoser
Venture Executive
Chevron Technology Ventures

Luis Alcoser is Venture Executive for Chevron Technology Ventures where he leads origination of and investment in novel technologies which may have a significant strategic impact to Chevron. Prior to joining Chevron, Luis spent 20 years holding various upstream technical, operational, business development and venture capital positions globally with BP, Shell, Noble Energy, and Schlumberger where he led projects in conventional and unconventional plays across the continental U.S., deepwater Gulf of Mexico, Israel, Russia, Malaysia, Equatorial Guinea and Angola. Luis has a B.S. degree in Natural Gas Engineering and an M.E. degree in Petroleum Engineering from Texas A&M University, an MBA and Master of Finance degrees from Tulane University as well as a Law degree (J.D.) from the University of Houston.

Robert Allen
Director
Evok Innovations

Robert Allen was formerly the Director of a Greenwich, CT based family office and venture capital firm. There he led deal origination and asset management and was the principal liaison between the firm and its portfolio companies. Included in his responsibilities was leading corporate and business development for a 200-acre industrial complex and Class I rail terminal in central New York specializing in material handling and storage for the oil & gas sector.

Prior to that, Robert worked and lived abroad in Seoul, Korea where he was part of the Samsung Group's internal strategy group, specializing in renewable and conventional energy. Robert earned an MBA and Masters of Environmental Management from Duke University and a Bachelor of Arts from the University of Pennsylvania.

Kemal Anbarci
Managing Venture Executive
Chevron Technology Ventures

Kemal Anbarci is the managing venture executive for Chevron Technology Ventures. He is responsible for oversight of all venture capital activities in Chevron and using venture capital as a conduit to integrate new technology solutions into company operations. During his more than 27 years with Chevron, Kemal has held a variety of upstream responsibilities in field development, reservoir engineering, corporate and strategic planning, non-operated joint venture management, business development and technology management. He earned a master's degree in operations research and holds a doctorate and master's in petroleum and natural gas engineering from Pennsylvania State University. He also holds an MBA from the University of California, Irvine, and a bachelor's in petroleum engineering from Middle East Technical University, Ankara, Turkey.

Ricardo Angel
CEO & Managing Partner
Piva Capital

Ricardo Angel brings more than 25 years of experience in the energy sector. Having spent most of his career in energy investment with GE Ventures as a founding Managing Director leading origination and investments in energy, oil and gas, and natural resources. While at GE Ventures he developed and executed the group's strategy by leveraging breakthrough technologies, innovative business models, capital, and the GE platform which led to shifts in corporate business strategy, multiple technical and commercial collaborations, and various company acquisitions.

Ricardo served on dozens of Board of Directors of portfolio companies and provided leadership and guidance to management teams to drive operational and financial value. He also led Energy Technology Ventures (ETV), a $300 million joint venture formed by GE, NRG Energy, Inc., and ConocoPhillips, focused on investing in emerging energy technology companies. Previously, Ricardo worked at Chevron's Venture Capital group, in investment banking at Goldman Sachs and as a consultant at the CNA Corporation.

As a leader, Ricardo is passionate about nurturing and leveraging open innovation within large organizations. Ricardo is end-goal oriented and a believer in formal education, persistence, and teamwork. Throughout his career, he has demonstrated a passion for building strong, agile and well-aligned teams to deliver strategic and financial benefits to the organization.

Ricardo holds an Master of Business Administration (MBA) from the Kellogg School of Management and Bachelors, Masters and PhD degrees in Engineering from the University of Illinois at Urbana-Champaign.

Rishi Bhakar
Vice President, Energy Innovation Investments
Tenaska

Rishi Bhakar has 25 years of experience in energy, finance and technology industries. He has invested in energy companies, infrastructure projects and assets for over 12 years. Rishi founded Tenaska's corporate venture group and leads investments in energy technology companies. He is also integral to Tenaska's ESG policy development, sustainable financing, and acquisitions of new energy companies.

Prior to Tenaska, Rishi advised middle-market companies on capital raising and acquisitions at Wedbush Securities. He is a recovering computer engineer with over a decade of software development and consulting experience at companies like ADP, Fujitsu and Intel.

Rishi is passionate about serving disadvantaged communities and serves on board of several non-profits including Omaha chapter of American Red Cross. He earned his MBA from the UCLA Anderson School of Management and bachelor's degree in Computer Science from University of Pune, India.

Nazeer Bhore
Global Manager, Technology Scouting & Ventures
ExxonMobil Research & Engineering

Nazeer Bhore is the Global Manager of Technology Scouting and Ventures Group at ExxonMobil. He has more than 30 years' experience at ExxonMobil and its affiliates in various technical, refining, chemical, marketing, and corporate functions such as research, development, engineering, capital projects, strategy, new business development, technical services, and technology licensing.

Nazeer holds a B.E. from University of Bombay and a Ph.D. from University of Delaware, both in Chemical Engineering. He is also a graduate of the Wharton Management Program.

In his current role, Nazeer leads the global group for technology scouting, incubation and venturing that brings, tests, and facilitates adoption of "outside-in" ideas, technologies, practices and business models for ExxonMobil's current and emerging business.

In his previous role, Nazeer was responsible for Breakthrough Portfolio and the Innovation Health of the R&D Organization. An example of a de-risked breakthrough project in the public domain is the Open Process Automation – an open interoperable standards based open automation and control system for continuous process industries.

Chad W. Bown
Senior Venture Principal
BP Ventures

Chad Bown is a Senior Venture Principal on the BP Ventures team which has invested over $500m in technology companies across more than 40 entities with more than 200 co-investors.

Chad brings financial leadership and commercial expertise alongside oil and gas operations and business development roles with prior managerial work experience at Shell and Jacobs Engineering. Chad was a Captain in the United States Air Force and holds a degree in business from Texas A&M as well as an MBA from Loyola Marymount. Chad currently sits on the boards of Belmont, BiSN, SMG, Fotech and Stryde.

Heath Butler
Partner
Mercury Fund

Heath is a Partner at Mercury Fund where he focuses investment themes within B2B & B2B2C Software and Managed Marketplaces. He manages the firms network platform and works directly with portfolio companies on go-to-market models, business development execution and corporate development strategy. Prior to joining Mercury, Heath co-founded Gestalt Theory Venture Partners, a venture studio and angel investing group and held executive roles as a corporate development executive and fin-tech Div. President at Insperity (NYSE: NSP), the nation's leading HR outsourcing services provider. Heath received an MBA in Marketing from Texas Southern University and a B.S. in Finance from the University of New Orleans.

Outside of Mercury, Heath is an active angel investor and mentor in the Houston innovation community, and he is co-founder of Urban Capital Network, an angel group focused on democratizing the investment ecosystem for a broader range of investors and entrepreneurs

Kirk Coburn
Investment Director
Shell Ventures

Kirk Coburn is an investment director for Shell Ventures, Shell's corporate Venture Capital fund. Shell Ventures invests and partners with entrepreneurs to bring new technologies and business models to market in order to lower costs, make our existing operations more sustainable, and accelerate the energy transition. Shell Ventures acts as a strategic partner and makes minority investments in select technology companies, including Shell technology spin-outs, and also acts as an LP in some externally managed venture capital funds.

Kirk has over 15 years of experience as a successful serial entrepreneur and over 9 years as a venture capitalist and early-stage angel investor. Prior to Shell, Kirk was the founder and managing director of SURGE Ventures, a mentor-driven accelerator and seed stage venture fund. During this period, he led the investments into over 45 technology companies solving problems across the energy value chain including oil & gas, cleantech, power, energy efficiency, and horizontal applications that reach across. Under his leadership and direction, SURGE recruited more than 200 industry-leading scientists, investors, policymakers, customers, and entrepreneurs to serve as mentors. SURGE was repeatedly recognized globally as one of the top startup programs and early-stage investment funds.

Patrick Conroy
Partner
Intervale Capital

Patrick Conroy is a Principal at Intervale Capital, where he is responsible for sourcing, evaluating, executing and monitoring investments. Before joining Intervale, Patrick worked at Goldman Sachs, where he advised on a variety of capital markets and M&A transactions across the energy sector. Prior to Goldman, Patrick was a process design engineer with Fluor focused on downstream oil & gas processing facilities.

Patrick received his B.S. in Chemical Engineering from Texas A&M University and his M.B.A. from Harvard Business School.

Andrea Course
Venture Principal
Shell Ventures

Andrea Course works in Shell Ventures as a Venture Principal where she invests in innovative start and scale-up companies that accelerate the energy transition. She has 13 years of experience in the energy sector. Prior to joining Shell, Andrea worked as Venture Principal at Schlumberger Technology Investments. Andrea has been working on research and new technology development for more than ten years and has held the positions of Product Manager, Senior Product Analyst, Engineering Manager and Product Design Engineer.

She holds a degree in Engineering Physics from the University of Central Oklahoma, a Master of Science from the University of Oklahoma in Aerospace Engineering and an executive MBA from the University of Houston.

George Coyle
Co-Founder & Managing Partner
Energy Innovation Capital

George Coyle is a co-founder and Managing Partner of Energy Innovation Capital. George leads EIC's Houston office and currently serves as a director at Streamline Innovations, RedEye, Mission Secure, Titus Industrial, Fluence Analytics, Kelvin Inc., Fracture ID, and Comitt Well Solutions. George is one of the longest-tenured venture capital investors in the Energy technology industry, having previously co-founded and led three corporate venture capital groups: ConocoPhillips Technology Ventures Investments, Energy Technology Ventures and Chevron Technology Ventures. George also served as the President and CEO of DeepFlex Inc., a VC-backed energy technology company. He previously worked in Exploration & Production leadership roles at Chevron and is an active member of AAPG, SEG, and SPE. George holds an MBA from Tulane University, a M.S. in Geology from the University of Kansas and a B.S. in Earth Sciences from the University of New Orleans.

Sean Ebert
Partner
Altira

Sean Ebert is a Partner at Altira Group, where he sources and invests in emerging oil & gas technology companies out of the firm's Fund VI. His current and representative former portfolio company directorships include ThoughtTrace, Infrastructure Networks, TransZap/Oildex (sold to Accel-KKR), Syntex Management Solutions (sold to IHS) and Austin Geomodeling (sold to SeisWare in 2015). Prior to Altira, Mr. Ebert was a Principal at Booz Allen, where he was focused on advising oil and gas companies and private equity firms on portfolio strategy, new business model development, and capital investment decisions. Before Booz Allen, Mr. Ebert was the CEO of an emerging energy technology company and he began his career as an engineer in the oilfield.

Hossam Elbadawy
Managing Director, SCF Ventures & Technology Partner, SCF Partners
SCF Partners

Hossam Elbadawy is the Managing Director of SCF Ventures and Technology Partner at SCF Partners. Before joining SCF, Hossam founded O&G Technologies, a Houston based technology incubator focused on the oil and gas industry. He has over 27 years' experience in the energy sector, technology development, and commercialization. Hossam has served as Senior Operating Partner at Lime Rock Partners and as CEO of Tercel Oilfield Products. Before these roles, Hossam spent nearly 17 years at Schlumberger, where he served as Vice President of Manufacturing as well as managing the company's leading-edge Rosharon Technology Center and the Houston Product Center. Hossam received an MBA and a Masters in Engineering Management from Northwestern University and a Bachelor's degree in Mechanical Engineering from Ain Shams University.

David Forsberg
Managing Partner
Ascent Energy Ventures

David Forsberg founded Ascent Energy Ventures to invest in the generational opportunity in energy tech. He brings over 15 years of investment experience where he worked in automating financial markets and quantitative investing before working for a well known E&P single family office and related oil & gas holdings.

David has worked as a financial expert witness, as vice chairman of the advisory board for a $1.4b financial firm, and currently sits on the endowment investment committee for Regis Jesuit High School. David holds a BS in Finance from the University of Colorado where he delivered a student commencement address and received a leadership award.

David is a CFA Charterholder.

Scott Gale
Executive Director
Halliburton Labs

Scott Gale is the executive director of the Halliburton Labs organization which is working with the startup community to advance cleaner, affordable energy. Halliburton Labs adds unique support to the flourishing innovation community and fosters an open environment where participating companies can collaborate to solve current and future clean-energy challenges. Scott joined Halliburton in 2014 and managed strategic efforts for multiple product service lines. Most recently, as strategic business manager in Production Enhancement, he led the strategy development and execution of Prodigi™ Intelligent Fracturing Service – an industry first that combines subsurface measurements, intelligent automation and real-time 3D visualization into a single platform. Prior to joining Halliburton Scott worked in several commercial and technical roles in the petrochemical industry. Scott holds a Bachelor's degree in chemical engineering from Brigham Young University and an MBA from Rice Business School. He also holds business strategy certifications from CalTech and executive leadership training from Texas A&M.

Jacqueline Goodman
Senior Analyst
SJF Ventures

Jacqueline Goodman is a Senior Analyst at SJF Ventures. SJF Ventures is an impact fund investing in high-growth companies creating a healthier, smarter and cleaner future. Jacqueline works out of the New York office, where she diligences investment opportunities in a variety of sectors, including cleantech, mobility, food and logistics. Prior to joining the team at SJF, Jacqueline worked as an investment banking analyst at Barclays. While at Barclays, Jacqueline was in the Global Power, Utilities and Infrastructure group, where she focused primarily on the renewable energy sector. Jacqueline graduated from Harvard University with a BA in Government and a secondary in Spanish Language, and she is currently pursuing an MS in Sustainability Management at Columbia University.

Diana Grauer
Director, Research & Chief Research Engineer
TechnipFMC

Diana Grauer, Ph.D., is Director of Research and Chief Research Engineer for TechnipFMC, managing research and development across the organization. Diana joined TechnipFMC as Director of External Technology Engagement leading TechnipFMC's Venturing, Open Innovation, and Technology Watch programs.

Diana joined TechnipFMC from Hoerbiger, where she was Vice President of Engineering. Prior to joining Hoerbiger, Diana held various management roles within Cameron, OneSubsea, and Schlumberger. Diana joined Schlumberger from the U.S. Department of Energy, where she was a Research Engineer and Laboratory Program Manager for the Department of Energy Efficiency & Industrial Technology department at the Idaho National Laboratory.

Diana has also taught Mechanical Engineering courses at Idaho State University and Kansas State University. Diana holds both a B.Sc. and Ph.D. in Mechanical Engineering from Kansas State University where she graduated with honors.

Sandy Guitar
Managing Director
HX Venture Fund

Sandy Guitar is a Managing Director at HX Venture Fund in Houston, Texas. Sandy is also a co-founder and Managing Director at Weathergage Capital, a venture capital fund of funds managing approximately $1 billion in venture partnership commitments. Prior to Weathergage, she was a Principal of venture fund of funds Knightsbridge Advisers. Prior to Sandy's venture fund of funds experience, she was a consultant with Andersen Consulting and BSG Consulting. Sandy was also responsible for developing the first web-based IT architecture and strategy, and for developing the first global diversity strategy at Phillips Petroleum (now ConocoPhillips).

Sandy has an M.B.A. from the Kellogg Graduate School of Management and a B.A., cum laude, from the University of the South, Sewanee. Following her undergraduate degree, Sandy was awarded a one-year research Fellowship with the Thomas J. Watson Foundation. As a Watson Fellow, she studied business management in Japan, India, and Australia. She is also a graduate of the Venture Capital Institute.

Thomas B. Henry
Chief Operating Officer & Co-Founder
Eunike Ventures

Thomas B. Henry is the Chief Operating Officer and Co-Founder of Eunike Ventures. He has been in this role since 2017. Eunike Ventures is a Houston based Hybrid Energy Accelerator that serves as an Operating Arm to search for innovative technologies for its current Alliance partners (Equinor, Hess and Technip FMC) with the focus on de risking technology via pilots and providing a platform for swift adoption and commercialization. As part of building Houston's Ecosystem, he is leading efforts in building technology bridges with Canada, France, Norway and Israel.

Prior to this he has worked with the Royal Dutch Shell for 28 years. During his 28-year career with Shell, Mr. Henry has held a variety of management and technical positions with responsibilities on three continents, including roles in the United States, Malaysia, and Netherlands. His experience was focused on delivering Oil & Gas Development projects both from an operated and joint venture business. He also functioned across entire Techno-Commercial value chain driving business value focusing on technology application to drive competitive solutions to field life-cycle development. Mr. Henry holds a Bachelor of Science in Chemical Engineering (Ohio State University); MBA (Strathclyde Business School) and Strategic Decision and Risk Management (Stanford University).

Patrizia Ingallina
Head of Intellectual Property
Eni Next

Patrizia Ingallina is now the Head of Intellectual Property for Eni Next LLC. During her extended history of working at Eni SpA and its affiliates, she held a variety of positions. She previously worked as Vice President of Non-Operated Assets Business Management, being responsible for maximizing the value of the assets through proposal of initiatives and monitoring of the performance. She also held the role of Vice President of Intellectual Property Management, with responsibility for the management of the entire patent portfolio of Eni SpA, and effectively contributing to the valorisation of Eni's proprietary technologies. Highly skilled in technology innovation, she achieved a broad experience in performing and managing R&D projects for the Refinery and Petrochemical Industry. She authored 13 patents and about 20 scientific papers published on international peered journal.

She holds a degree in Chemistry from State University of Milano (Italy) with a thesis in homogeneous catalysis and graduated from the program for Industrial Property Management held at the School of Management of Politecnico di Milano (Italy).

Ganesh Kailasam
Vice President of Technology
OGCI Climate Investments

Dr. Ganesh Kailasam is currently the Vice President of Technology for OGCI Climate Investments. He leads the Technology efforts to identify and invest in innovative technologies that have the potential to significantly reduce greenhouse gas emissions.

Prior to joining OGCI Climate Investments, Dr. Kailasam was Senior Vice President & Chief Technology Officer of Dow Corning Corporation, leading the company's Science & Technology professionals in the areas of Process, Product, & Application development. This was preceded by

roles as Vice President of R&D-Performance Materials Division at The Dow Chemical Company, and Global Technology Manager of High Performance Polymers at GE Plastics.

Dr. Kailasam is a member of the National Academy of Engineering. Dr. Kailasam received the Industry Leadership Award from AIChE in 2011. He was also recognized by Penn State with the Outstanding Engineering Alumnus award in 2016. He holds a doctoral degree in Chemical Engineering from Penn State.

Severine Lalande
Principal
Total Carbon Neutrality Ventures

Severine Lalande is a Principal at Total Carbon Neutrality Ventures (TCNV), the venture arm of the energy group Total. TCNV identifies in startups whose expertise can help create responsible energy options, supports their growth and fosters collaborations with Total. TCNV is active in areas such as renewable energies, energy storage, smart grids, energy efficiency, energy access and mobility.

Severine has been working at Total for 17 years with several assignments in Europe and Africa, before coming to the Bay Area.

She holds a M.Sc. in Reservoir Geoscience & Engineering from Texas A&M & French Institute of Petroleum and graduated from Ecole des Mines de Paris.

Samantha Lewis
Investment Director
GOOSE Capital

Samantha Lewis, Rice MBA ’17, is the Investment Director of GOOSE Capital – an investment firm focused on early stage technology ventures. Before attending Rice Business school, she successfully started two ventures, one of which she sold in 2017. The other company, Green Chile Co, generates over $3 million in annual revenue and boasts of customers like Torchy’s Tacos, HEB, and Trader Joe’s.

GOOSE Capital is a Houston based investment firm comprised of highly successful operators and investors. The firm invests around $10 million per year across a variety of industries, but with a focus on breakthrough, defendable technologies.

Since joining GOOSE Capital, Samantha has overseen a recent restructure, re-brand, and rigorous analysis of the investment portfolio to develop the GOOSE Capital thesis. Her responsibilities include portfolio oversight and management, company assessments, due diligence, deal sourcing, and operations. Samantha serves on the Board of Directors for Topl, a blockchain company, Syzygy Plasmonics (observer), Lantha Sensors (observer), Drylet (observer), and Molecular Match (observer).

Sha-Chelle Manning
Advisor
Cimarex Energy

Over the last decade, Manning has been driving technology and innovation for the US Independent Shale Oil & Gas Industry. Manning currently serves as an advisor to Cimarex Energy Co's Executive Team. Previously Manning was the Vice President of Technology and Innovation at Cimarex Energy, and the Director of Innovation for Pioneer Natural Resources. Manning serves on the Department of Energy Secretary's Advisory Board for Innovation, the University of Oklahoma Strategic Research Board, the Texas A&M TEES' Advisory Board, and is an Advisor to Worlds. Previously, Manning served on Board of Directors for Astrotech Corporation a small public company providing space equipment and services for the International Space Station and satellite processing for over 300 missions, and Tech Titans (Texas' largest industry trade member association). Ms. Manning was a co-founder of a $22M venture investment firm, Malibu IQ, and Managing Director for a nanotechnology alternative energy venture. In 2012, Manning was appointed to Texas' $483M Emerging Technology investment fund for two terms by the former Texas Governor. She founded a consulting firm for commercializing technology which served clients such as Lockheed Martin, and HRL (GM and Boeings' premier Innovation Lab). Manning was voted as one of the "Top 25 Women in Technology" by the Dallas Business Journal. Early in her career, Manning was a key leader in two successful entrepreneurial start-ups; Authentix (acquired by the Carlyle Group) and Zyvex, a nanotechnology company. Manning holds a B.A. from Loras College and an MBA from University of Dallas.

Juan Muldoon
Partner
Energize Ventures

Juan Muldoon brings more than a decade of experience in finance and investing at the intersection of technology, energy, and industry.

As a Partner at Energize, he is integral to all aspects of the Fund's operations, including leading sourcing efforts, developing investment theses, driving diligence of potential investments, network management, and supporting and monitoring portfolio companies. Previously, Juan worked at J.P. Morgan, where his work ranged from business analysis and research to advising institutional investors on portfolio allocation and private investments.

Juan holds an MBA from the University of Chicago and a BA from the University of Notre Dame, magna cum laude. Juan currently sits on the Board of Directors for Nozomi Networks, Awake Security, Zededa, Beekeeper, and Chicago:Blend.

Meghan Nutting
Executive VP, Policy & Communications
Sunnova

Meghan Nutting is the Executive Vice President of Policy and Communications at Sunnova Energy Corporation, a leading U.S. residential solar and storage services provider. In this role, she works closely with company and industry leaders, nonprofits, state and federal policymakers, and regulators to craft and implement policies that provide a more stable and sustainable business environment for solar electricity generation. Prior to working at Sunnova, she served as the Director of Policy and Electricity Markets at SolarCity for nearly five years. She has also worked

as a Legislative Director for New York State Assembly member Linda Rosenthal and as a Press Secretary for former U.S. Senator Olympia Snowe. Meghan has held policy positions at the World Bank and the British Department of Environment, Food and Rural Affairs as well as a number of environmental organizations. In these positions, Meghan has worked on, advocated for, and impacted a significant number of energy and environment-related issues and policies. She has been named one of the #Solar100 thought leaders in the U.S. and one of the Denver Business Journal's top women in energy for 2018. She was also a candidate for the Colorado House of Representatives in 2017-18. Meghan received her BA in Biology from Cornell University and her MPA from Princeton University.

Oliver Phillips
Director
Lime Rock New Energy

Oliver Phillips is a Director at Lime Rock New Energy having joined at inception. Prior to LRNE, Oliver spent eight years with Lime Rock Partners in Houston, Dubai, London and Connecticut where he focused on investment sourcing, selection and execution. He has played a leadership role in global service, manufacturing, and technology-oriented investments within the Lime Rock portfolio. Prior to joining Lime Rock, he worked at Lazard where he focused on M&A and restructuring transactions globally. Oliver currently serves with the board of directors of TGT Oilfield Services and Smart Wires and previously served on the board of directors for Axis Energy Services, Reveal Energy Services, Tercel Oilfield Products, Expert Petroleum, and Gas2. He currently lives in Houston and is a graduate of Rice University with degrees in Mathematical Economic Analysis and Management.

Anand Pradhan
Head of Digital Transformation & Technology Ventures
DCP Midstream

Anand Pradhan is the Head of Digital Transformation and Technology Ventures at DCP Midstream. He has over 25 years' experience in multiple industries including energy, consumer products, healthcare, retail, manufacturing and global supply chain.

In his current role, Anand is responsible for leveraging open innovation and partnering with venture eco-system to drive business transformation. His team is focused on scouting, partnering and integrating emerging technologies to improve cost, process efficiency, reliability, safety, sustainability and monetization of existing digital products. Mr. Anand graduated from the National Institute of Technology, Warangal, India with Bachelor of Engineering and Executive Education from Stanford Graduate School of Business.

Jim Sledzik
Managing Director, North America
Saudi Aramco Energy Ventures

Jim Sledzik is Managing Director for Energy Ventures-U.S.LLC (SAEV-US), heading its North America practice. Aramco's corporate venture capital fund invests globally in early-stage and high-growth technology companies of strategic importance to the company. With more than 30 years of experience in the oil and gas industry, including 12+ years in venture capital and private equity investing, Jim joined Aramco in October 2018. He is responsible for overseeing existing investments and growing SAEV's investment portfolio.

Prior to Aramco, Sledzik served as Managing Director at Hall Labs. He provided corporate governance and strategic direction for companies incubated within Hall Labs, assisting with product development, patents and monetizing game-changing technologies in the world's largest markets. Sledzik served as Senior Partner and President of North America for EV Private Equity from 2008 to 2017, managing five funds targeting technology-driven, high-growth potential companies in the upstream oil and gas sector.

His career spans a wide range of marketing and technology roles including Global Marketing & New Technology Director and Vice President of Multi Client Services for geophysical services company WesternGeco and Global Account Director for oil and gas technology provider Schlumberger.
Jim earned a master's degree in business administration from the University of Pittsburgh and a bachelor's of science in geosciences from Pennsylvania State University. He is a member of the Society of Exploration Geophysicists (SEG), the Society of Petroleum Engineers (SPE) and serves on the advisory board for the Alliance for Technology and Entrepreneurship at Rice University.

Cory Steffek
Managing Director
Ara Partners

Cory Steffek is a Managing Director at Ara and is involved with all aspects of the firm's investment process. He has a long history as a private equity investor, with a particular focus on technology-oriented businesses.

Prior to joining Ara, Mr. Steffek was the Managing Director of North America at Saudi Aramco Energy Ventures ("SAEV"), the corporate venturing subsidiary of Saudi Aramco. At SAEV he was responsible for identifying technology investments in energy efficiency, industrials, renewable energy, water, downstream and upstream oil & gas and value-added products. Before joining SAEV, Mr. Steffek worked in Corporate Development and Strategy at First Solar, where he was responsible for strategic investments and acquisitions, with an emphasis on new technologies and products. Prior to First Solar, Mr. Steffek was at the Altira Group, an energy-focused venture capital firm, where he led investments in a broad range of energy technology companies. In addition, he held several management roles in product development and engineering at PPG Industries.

Mr. Steffek holds a PhD in materials chemistry from the University of Michigan and a Master of Business Administration from The Kellogg School of Management at Northwestern University.

John Thurmond
Principal Advisor – Emerging Technology
Hess

John is the Principal Advisor for Emerging Technology in Geoscience for Hess, where he is responsible for connecting new ideas to business challenges and accelerating the pace of change across the company.

He holds a Ph.D. in Geoscience from the University of Texas at Dallas and has more than twenty years of experience in the petroleum industry - spanning onshore, offshore, exploration, production, technical leadership, and management. Prior to joining Hess in 2020, he spent sixteen years with Equinor, more than half of that in Norway. He has spent the last several years working with startups, as a customer, as a technical lead for venture investment, and as an entrepreneur – securing funding and running a green tech startup within an internal company incubator.

John serves on the Methane Hydrates Advisory Committee for the US Department of Energy and the Advisory Board for the Interplanetary Initiative at ASU. He is passionate about Space and Making, and has been known to speak at Maker conferences on learning through failure; a topic he knows well.

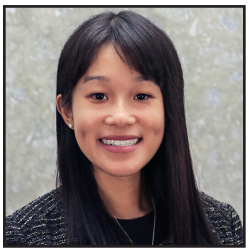
Michael Wheeler
Principal Strategist, Corporate Strategy – North America
Equinor

Michael Wheeler is a Principal Strategist at Equinor (formerly Statoil) in Houston, Texas. With over a decade of industry experience, he has held both technical and commercial positions linked to assets in oil, gas, and renewables. Michael holds a B.S. degree in petroleum engineering from the University of Texas at Austin as well as an MBA from Rice University. In his current role as a member of Equinor's Corporate Strategy & Innovation organization, Michael manages strategic initiatives across various value chains, further positioning Equinor during the ongoing energy transition.

Katherine Zamsky
Managing Partner
Carbon Ventures

Katherine Zamsky is a Senior Advisor for a New York based private equity firm accelerating transition to the green economy by investing in real assets and technologies enhancing industrial performance. She co-founded Carbon Ventures, an impact venture fund focused on industrial technologies reducing emissions.

Katherine brings 17 years of investment experience in venture capital, private equity, hedge fund, and real estate spaces. She managed FOF portfolio allocations at AIG, built a $70 billion-dollar alternative investment platform and its fintech at Merrill, and was a board member at premier funds. Katherine also developed a national real estate portfolio at a family office and deployed eco-friendly property improvements. She holds an MBA from Columbia University and is a guest lecturer/advisor to several universities, accelerators, and startups.



Deanna Zhang
Energy Tech Investment Banking Director
Tudor, Pickering, Holt & Co.

Deanna Zhang is a Director at Tudor, Pickering, Holt & Co. She helps lead the Energy Technology Banking division, covering clients in areas such as oil and gas software, industrial technology, new environmental infrastructure, and alternative energy. She is responsible for deal origination and execution, performing industry and company research, and providing thought leadership in the energy technology space. She has written over a hundred articles on the topics of energy transition and technology. Prior to joining the Energy Technology Banking team, she was the Energy Tech lead for TPH Research.

Deanna holds a BA in Statistics from Yale University.

2S Water
Edmonton, Canada

2S Water have developed a sensor to detect metals in water in realtime. The current solution is to grab samples which are sent to the lab, a time delayed and error prone process. Realtime information is essential for process optimization, regulatory compliance, and early issue identification. Our first target in oil and gas is boiler water for sagd operations, where scaling agents can degrade machinery and send costs skyrocketing. Most of these issues focus around metals that, until now, no one could detect in real time. 2S Water's fully automated sensor provides realtime data, giving the instant feedback facility operators need.

Anthea Sargeaunt | asargeaunt@2swater.com

Abyssal
Matosinhos, Portugal

Abyssal helps energy companies by converting any existing video or drawings into a digital model so that data can be extracted, cataloged, analyzed, visualized and made accessible remotely in real-time from a secured, cloud-based server.
The data is used from cradle to grave within three main phases:
1. Engineering and operational designs, procedures, and reviews.
2. Augmented overlay during ROV (remote operating vehicle) operations for enhanced visibility and auto metadata extraction.
3. Control and monitoring of AUVs (autonomous underwater vehicle) with real-time communications and recording.

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Acoustic Wells
Somerville, Massachusetts

Reducing lifting costs and cutting methane emissions is a constant challenge for E&P operators. Acoustic Wells is democratizing Industry 4.0 innovations through a combination of MIT-developed novel signal processing, acoustic physics know-how and the latest in AI with easy-to-use edge-capable IoT hardware & software to monitor, control and optimize production equipment in real-time to maximize both output and equipment lifetime. From tanks to the wellhead, including our proprietary stethoscope for the well, our solution allows operators to reduce lifting costs & energy usage, streamline operations, and monitor & minimize methane emissions, all at a price point far below alternatives.

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AeroShield Materials
Hyde Park, Massachusetts

Invented by our founders at MIT, AeroShield manufactures a super-insulating, nanoporous form of glass for energy efficient windows. Our material can be placed between two panes of glass - replacing the gas-fill in a double-pane window - to create a product 50% more insulating, but with a payback period 5 times faster than windows of similar performance. We have achieved this insulating performance while maintaining glass-like optical clarity.

https://www.aeroshield.tech/
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Akselos
Lausanne, Switzerland

We're working towards speeding up the exascale deployment of offshore wind by lowering the cost of energy, and making infrastructure more resilient, with condition-based monitoring and predictive maintenance at the centre of our efforts. We've taken the technology ubiquitously used in design, and applied breakthrough mathematics to make it powerful enough to also be used in operations. The result is our flagship product, the Digital Guardian, which monitors the structural condition of critical infrastructure in real time, by combining next-generation simulation software with sensors and data analytics. This offers asset owners/operators the ability to have eyes on their assets 24/7.

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Anthro Energy
Stanford, California

Based on patented research from Stanford University, Anthro Energy is commercializing robust polymer materials that function as electrolytes and binder materials in lithium ion batteries. The use of a nonflammable electrolyte enables our batteries to have unprecedented safety in comparison to other flexible batteries. In the short term, we aim to license our polymer technology to wearable electronics companies interested in radically improving the performance of their devices with flexible batteries. In the long run, our robust and safe polymer electrolyte can improve batteries in all applications.

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David Mackanic | david@anthroenergy.com

AquaNRG
Houston, Texas

AquaNRG is an environmental and energy tech company. We offer a pay-as-you-go SaaS application for state-of-the-art simulation platform built on BIG3 technology: chemistry-physics (BIG SCIENCE) informed AI (BIG DATA) powered by high-performance cloud computing (BIG COMPUTE). AquaNRG's technology has been used by major independent E&P companies for energy production and optimization, EOR, and CCUS. Through merging our platform with a novel waterflooding technology, we offer workflows resulting in 10%-30% improved oil recovery in tight formations. AquaNRG has been awarded 3 prestigious Small Business Innovation Research (SBIR) grants ($1.4M) from the US Department of Energy and National Science Foundation.

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Archilex Holding
Nicosia, Cyprus

Lex Company with its HQ in Moscow provides innovative Electrical Submersible Pumping equipment for wide range of downhole conditions. Lex equipment technology takes its origin from aero-space pumps & motors designed for extremely high operating speeds, efficiency, velocities & cavitation requirements. Aero-space pumping requires the highest level of reliability and compact design. Lex ESPs designed for nameplate rotational speed of 10,000 rpm with a wide operating range between 1,000-12,000 rpm; 3-4 times higher than any other ESP in the world (typically rated narrowly from 2,400 to 4,200 rpm). Since 2016 Lex has successfully installed over 400 ESPs.

http://www.lexsp.com
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Ashaw Energy
Calgary, Canada

In Ashaw Energy we developed a software name "Eushaw Dynamic Software" that provides a platform for operators to keep all their data in a digital format and to easily analyze and model their wells with a state-of-art simulation engine. This helps to integrate complex modules and modeling into all areas of a business. The software that keeps the operator data, all service providers tools and most recent researches in academia into fully parallelized software, and user have access to such platform in a fraction of a second.

http://ashawenergy.com
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BATTERY STREAK
CHARGE LIGHTNING FAST

Battery Streak
Newbury Park, California

Battery Streak has successfully implemented our materials in 1000 mAh pouch cells capable of reaching 80% SOC in 10 min (6C charge) and retaining 85% of the original capacity after 3000 cycles. Additionally, the 10-min charge operation only raises the cell temperature to 95F. Our proprietary material has entered the production stage and is ready for cell builds in larger formats using existing battery manufacturing lines. The high power intake and output, with reduced heat generation, have shown potential for many applications, such as power tools, warehouse robots, and mobile applications including electric scooters and vehicles.

http://batterystreak.com
David Grant | dgrant@batterystreak.com

BEEX
AUTONOMOUS SYSTEMS

BeeX
Singapore, Singapore

BeeX is the first in Asia to manufacture our own hoover-capable AUVs and deploy them off Unmanned Surface Vessels, all controlled with our proprietary distributed software from Surface to Underwater. Our vehicles are designed with an Autonomy-First concept. This means unprecedented levels of optimisation and computational power subsea to make decisions real time, enabling superior asset integrity data collection as a seamless workflow, with greatly reduced costs and risks.

http://www.beex.sg
Grace Chia | grace@beex.sg

belmont™

Belmont Technology
Houston, Texas

Belmont Technology has harnessed a wide range of Artificial Intelligence and Cloud technologies to automatically consolidate information available across your organization and enable real-time scenario evaluation. Belmont Technology is releasing its first commercial product Sandy 1.0 as an enterprise content management solution featuring advanced team collaboration capabilities. Belmont Technology is now building a central information and computation hub as a media for energy transition and climate change analysis. Sandy 2.0 will power the first collaborative media dedicated to the energy transition and providing an innovative concept of storytelling for scientific information.

https://www.b15y.io/
Jean-Marie Laigle | john@belmont.tech

Bluefield Technologies
Claymont, Delaware

Bluefield offers the ability to instantly monitor every critical emitting site on the planet, at high precision and at an affordable cost for large scale monitoring. We use proprietary satellite-based remote sensing and AI to capture methane emissions (and other gases) and offer emission data and analytics to our clients via a subscription. Bluefield will help monitor progress towards reducing these extreme greenhouse gases by becoming the "breathing monitor" of our planet.

https://www.bluefield.co
Yotam Ariel | y.ariel@bluefield.co

CalWave Power Technologies
Oakland, California

CalWave's solution and IP represents the next generation of transformational ocean energy technologies needed to finally unlock the vast carbon-free energy resources that exist in our oceans all around the world. In 2016, CalWave spun out from Cyclotron Road and was awarded a multi-million open ocean demonstration contract by the US DOE. In 2019, CalWave received two additional awards by DOE to 1) build a commercial scale drive train in parallel to our open water demo and 2) design the next generation of our technology. CalWave's "xNode" was awarded the Grand Prize of the discovery-stage of the Ocean Observing Prize.

http://www.calwave.energy
Marcus Lehmann | marcus@calwave.org

CarboEvolution
Houston, Texas

Associated natural gas flaring has become a growing environmental concern globally given the significant amount of CO2 emitted and the energy that is wasted. Oil producers often flare associated gas because its value is less than the gathering & processing cost. CarboEvolution, LLC ("Carbo") is a development stage company which was formed to solve these issues utilizing small-scale, mobile, integrated gas processing/LNG plants. Carbo's initial fleet of liquefaction and ancillary equipment will be located in the Delaware/Permian Basin to collect wellhead gas streams that are otherwise flared and wasted, thus recovering energy, reducing CO2 emissions, and creating tangible value.

John Godbold | john.godbold@carboevolution.com

CarbonFree Chemicals
San Antonio, Texas

Our team has developed and operates SkyMine®, the world's first industrial-scale carbon mineralization facility, producing baking soda, and is ready to take SkyCycle®, our second act, to industrial scale. SkyCycle® is a patented industrial-chemical process that can tackle CO2 on a gigaton scale, converting it to safe secure calcium carbonate, and in-time to make a difference – US Patent granted Marc h2020. SkyCycle is the only trifecta-technology that has the potential to deliver:

- Carbon utilization (CCU);
- Carbon storage (CCS), and;
- CO2 direct air capture.

Backed by energy-savvy investors including Fortistar, Braemar, BP Energy Ventures, Husky Partners, Carl Berg and Apollo.

http://www.carbonfreechem.com
Martin Keighley | mkeighley@carbonfreechem.com

CCT Energy
Highlands Ranch, Colorado

In 2011 CCT began developing an affordable, versatile and long lasting large-scale thermal battery. In 2012, CCT Energy Storage produced its first working scale prototype Thermal Energy Device. Known as TED, the battery accepts any form of electrical input and converts and stores energy as latent heat. In 2019, TED was unveiled to the world and the first units tested in the field. In 2020 we achieved a superior levelized cost of storage to Lithium Ion batteries. We exclusively licensed 30 approved and pending patents and are ready to launch into several verticals in the US market.

https://www.cctenergystorage.com/
Scott Taylor | scott@reservoirimaging.com

CEGEN Environmental
Okotoks, Canada

CEGEN provides clients with holistic, innovative, and effective solutions to lower industrial environmental impact. CEGEN's products and services fall into four categories including Modular Data Center design and operation, Datum E Consultation and Mitigation Technologies, Clean Energy Gensets, and Industrial Noise Abatement.

https://cegenenvironmental.com
Steve Morgan | smorgan@cegengreen.com

Century Fathom
Seabrook, Texas

Century Fathom presents a novel method for sustainably producing natural gas from sub-sea petroleum reserves. Our patented process enables production of reserves which are deemed stranded either because of small production capacity or a high content of impurities (including CO2). Introducing the latest advances in hydrate technology and NASA experience in pressure vessels, the method uses hydrates for the storage and transportation of natural gas, slashing costs by upwards of 50%. The Century Fathom approach will eliminate natural gas flaring and permit retrofitting of existing flare stacks. A useful byproduct is partially desalinated water.

https://centuryfathom.com/
Michael Kezirian | kezirian@centuryfathom.com

CRA-Tubulars
Almere, Netherlands

CRA-Tubulars applies superior aerospace proven material to completion designs that will push well performance from months & years to decades & life of the well. Adaption of advanced materials with efficient manufacturing, addresses a $91B/Yr. cost, CORROSION ($3.4 B/Yr. Premium Pipe). Reduced workovers & streamlined installation process dramatically reduces HSE, delays in cash flow (92%) and CAPEX/OPEX (68%). Advanced carbon fiber technology enables rapid scaling in manufacturing / market penetration. CRA-Tubulars is comprised of veterans (150 years of experience). This team has patented IP, designed, built, and tested prototypes, exceeding expectations & competitors. All this accomplished with sweat-equity and self-funding.

https://www.cra-tubulars.com/
Emile Burnaby Lautier | ebl@cra-tubulars.com

CTFusion
Seattle, Washington

CTFusion is an early stage company dedicated to the commercialization of fusion energy. Fusion is the process that powers stars. When commercialized as an energy source it will provide unlimited carbon free electricity that is safe, efficient, affordable, scalable and clean. CTFusion's competitive advantage is its "Imposed Dynamo Current Drive" technology that unifies magnetic confinement, heating, and sustainment allowing fusion to be on par with the lifetime cost of natural gas power plants. CTFusion has received two U.S. ARPA-E grants (OPEN & BETHE) totaling $5 million and is currently seeking $30 million for its proof of concept project.

https://ctfusion.net/
Derek Sutherland | dsutherland@ctfusion.net

Danomics
San Francisco, California

Danomics is a cloud-based interpretation platform for the oil and gas industry with solutions for petrophysics, geoscience, and reservoir engineering. The Danomics platform is focused on leveraging the power of the cloud and smart automation to allow interpreters to rapidly scale projects to 1000s of wells and quickly progress from data loading to actionable results, through built-in workflows and QC tools.

http://www.danomics.com
Cameron Snow | csnow@danomics.com

Data Gumbo
Houston, Texas

Data Gumbo provides a trusted transactional blockchain network for tomorrow's industrial leaders. GumboNet™ is a massively interconnected network that automates smart contracts by utilizing the unique combination of distributed ledger technology (DLT) with terms confirmed using Industrial Internet of Things (IIoT) operating field data. Available as a subscription service, GumboNet delivers unprecedented speed, accuracy, visibility and transparency to drive efficiencies and cost-savings.

https://www.datagumbo.com/
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Datch
San Francisco, California

Datch is an intelligent voice assistant for industry. The Datch Assistant allows you to replace tedious front-line work processes with intuitive, natural on-the-floor conversations allowing data entry of work orders, maintenance logs, safety reports and other records using just your voice. Datch intelligence allows company jargon to be used to enter and access company records in real time, whilst structuring and integrating onsite and field observations seamlessly into current ERP, CMMS, SCADA and CRM systems.

Junaid Faruq | junaid@datch.io

DC3 Control
Corpus Christi, Texas

DCiii (DC3) Control provides transparent, optimized, and reliable production chemical monitoring, remote control, and real-time data & analytics. We are the only full solutions digital provider in this market. DC3's solutions are fit-for-purpose for ease of use and deployment in the oilfield. We offer direct integration for E&P's as well as cloud-based solutions for Chemical Service Providers. In today's downturn, chemical programs cannot drive out any more cost, operators and chemical companies must think outside the box - Automation is the answer.

http://www.dc3control.com
Chad Hammond | chad@dc3control.com

DeepCast.ai
Houston, Texas

DeepCast.ai is a Houston-based B2B software company founded in 2017 that focuses on providing economic optimization solutions through a scalable SaaS platform. Our platform enables users to quickly map and organize their data and automatically build predictive and prescriptive models tailored to their use cases. Our technology helps users increase the resolution of their data, facilitate anomaly detection, predict operational trends, and generate recommendations that lead to improved economics. We are currently selling licenses of our product and looking to scale to a broader customer base.

https://deepcast.ai/
Arturo Klie | aklie@deepcast.ai

Deluge Technologies
Sun City, Arizona

The Thermal Hydraulic Engine technology is a breakthrough in mechanical engineering. The new hydraulic engine is an “engine that runs on hot water” and delivers more torque with less energy input providing the perfect solution when powered by solar thermal hot water or low temperature geothermal water. The engine has been proven to operate at temperatures lower than any other engine and operates at full horsepower with 180-degree Fahrenheit hot water. Our primary focus is using the hydraulic engine for low cost desalination and can generate electricity. Our contract manufacturing provides modular fabrication along with full tech support to customers.

http://www.delugeinc.com
Brian Hageman | bhageman@delugeinc.com

DemandQ
Watertown, Massachusetts

DemandQ's patented Intelligent Demand Optimization software integrates seamlessly with Building and EV Charging energy management systems, dynamically optimizing equipment utilization which reduces demand charges and energy usage. Deployed as a secure integrated software service, DemandQ unlocks dramatic/quantifiable economic value by enabling the digital transformation of energy utilization, frees our customers from the expense and volatility of building management system hardware upgrades, and accelerates the financial return on corporate energy management programs. DemandQ also supports customer environmental sustainability targets by reducing their carbon footprint.

Gary Morsches | gary.morsches@demandq.com

Digital Energy
Dubai, United Arab Emirates

Integrated predictive plans are essential to industrial operations. In our experience dealing with multi-billion dollar companies with multi-million IT and digital budgets, we enable simple procedures such as ordering materials, pay bills, schedule deliveries, monitor work efficiencies – let alone more complex digital operations such as optimization of the various workflows. Digital Energy makes this possible. At Digital Energy we solve complex value chain problems by embedding efficiencies in AI-powered solutions. We create innovative tools for industrial planning, supply chain optimization and work execution.

http://www.digitalenergy.ai
Morgan Eldred | morgan@digitalenergy.ai

DonTruck
Katy, Texas

DonTruck is the innovative logistics platform for brokers, agents shippers and carriers, to plan and execute their freight business. Works everywhere and provides real-time visibility. Identify inefficiencies, take action, and grow your business through data-driven actionable insights.
1. Make more money
2. Reduce your operational cost
3. Get more clients
4. Do more with less

http://www.dontruck.com
Leo Pardo | leo@dontruck.com

DroneDeploy
San Francisco, California

DroneDeploy is the enterprise-grade drone data platform. Trusted by leading brands globally, DroneDeploy makes the power of aerial data accessible and productive for everyone by transforming data collection and analysis across industries, including construction, energy, agriculture, and mining. Simple by design, DroneDeploy enables professional mapping, 3D modeling, and reporting from any drone on any device. Since inception, the company has mapped more than 150 million acres across 180 different countries.

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Dynacloud
Denver, Colorado

Dynacloud is an industrial internet of things (“IIoT”) company focused on automation, controls, and optimization services. Dynacloud provides integrated hardware, software, AI, and cloud solutions that bring real-time visibility and analytics to the oil and gas industry and growth into adjacent industries.

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Echogen Power Systems
Akron, Ohio

Echogen's mission is to provide an efficient cost-effective, and reliable clean energy option, while increasing our customer's return on energy investment. Echogen is using a novel approach to solving the long-duration energy storage challenge called Electrothermal Energy Storage (ETES). Excess electricity is stored as heat and later converted to electrical power. Echogen has expertise in supercritical carbon dioxide (sCO2)-based power cycle technology with safe, low-cost, highly-scalable storage to deliver a superior solution. The ETES system is modular, with duration based on customer needs. ETES is a disruptive new technology that can reduce storage costs by 40%-50% compared to battery systems.

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Ryan Wackerly | rwackerly@echogen.com

Edlore
Dana Point, California,

Edlore is a patented mobile software platform that uses Digital Twin, 3D/AR, AI and ML technologies to provide management with Operation Scores for Maintenance and Safety in addition to operation cost by location, and equipment. It also provides all the documentation, including the tools a worker requires to service, maintain, repair and operate equipment critical to the operation of a plant. Edlore easily and safely integrates with customers' existing software trough APIs and as part of the service provided, we take care of all the customer on boarding and software maintenance with minimum resources from the customer.

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eDNAtec
St. John's, Canada

We innovate advanced genomics technologies that enable our customers to pursue both environmental stewardship and cost reduction. Customer Problems Solved:
- Cost reduction - conventional approaches for ecological assessment (direct sampling, visual/acoustic observation) are lengthy and expensive.
- Outdated technology - 'Catch and look' sampling, sorting and individually identifying organisms is lengthy, labor-intensive, imprecise and harmful or disruptive to rare or endangered species.
- Environmental Stewardship - Growing pressures are compelling corporations to adopt sustainable technologies that support environmental stewardship.
- Health & Safety - we help reduce number of personnel in offshore operations: improved safety and reduced carbon emissions.

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Enexor BioEnergy
Franklin, Tennessee

Enexor's goal is to solve some of the world's biggest problems, notably 1) reducing plastic and organic waste and harmful GHG emissions and 2) increasing access to affordable, renewable, and continuous energy. Enexor's system converts any type of organic waste or plastic into onsite power and thermal at a Levelized Cost of Energy (LCOE) significantly lower than any other renewable or traditional energy alternative. The system is modular, easily installed, and can operate in the harshest of climates. Our revenue model is "energy as a service" - selling the energy output not the system itself - enabling immediate Customer savings.

https://www.enexor.com/
Lee Jestings | Lee@enexor.com

EnPower
Phoenix, Arizona

EnPower is developing low-cost Lithium-ion batteries for battery electric vehicles that offer both high energy density (range) and fast charge capability in the same cell. Solving this fundamental trade-off is critical for auto OEMs crossing the chasm to mass adoption. EnPower's BEV-class batteries can charge three times faster and generate 70% higher power than today's best batteries, without degradation of service life. EnPower builds 4-8 Ah pouch cells in a pilot-scale manufacturing facility in Phoenix, AZ. Development from powders-to-test can be completed in less than three weeks. The Company is validating the technology with auto OEMs and seeking strategic partners.

https://www.enpowerinc.com
Annette Finsterbusch | annette@enpowerinc.com

ERMEO
Paris, France

ERMEO web platform & mobile application, helps industrial companies to digitalize and customize easily operational processes on site (forms, documentation, Databases & workflows) and all along your asset lifecycle: Digitalize your forms, upload your databases (through EXCEL or API) and connect both to automatize your reporting, structure your gathered data and optimize your execution process through analytics. Ermeo bring mobility to your IT ecosystem (CMMS, EDMS, sensors, …) and act as a bridge between contextual site data & industrial software. You can cover several use cases (HSEQ, inspection, commissioning, O&M, …) with proven and fast ROI.

https://www.ermeo.com/en/
Riadh Labayed | riadh.labayed@ermeo.com

FLITE Material Sciences
Montréal, Canada

FLITE Material Sciences transforms the surface of ordinary materials to give them extraordinary properties. This clean, patented process uses laser pulses to change the surface of metal, glass, ceramics and plastics. The resulting effect repels or attracts water or oil, or changes the color. This new surface can prevent ice, rust, mold and contamination without the use of a chemical coating. For industries from aircraft to pipelines and computer chips, this breakthrough lets our customers create safer, more efficient products without the negative impact of coatings.

http://www.flite.tech
Dan Cohen | dan.cohen@flite.tech

Fracture ID
Denver, Colorado

Fracture ID utilizes downhole measured BHA vibration data and patented processing technologies to provide a full suite of drilling, completions, and reservoir cost-efficiency focused tools. Our underlying high-resolution BHA efficiency measurement and rock property calculations allows for extended analytics around issues such as drilling dysfunction, perf efficiency, depletion identification, parent/child interaction and improved Cube development. FID has monitored over 600 wells to date over North America. Fracture ID is moving towards populating Basin-wide, multi-client databases to create high resolution, subsurface efficiency focused analytics solutions to real world development problems not addressable by other service company offerings.

http://www.fractureid.com
Christopher Neale | chris.neale@fractureid.com

FRCAST Technologies
Austin, Texas

FRCAST Technologies speeds reservoir simulation prediction time by over 100x by training deep networks on history-matched models. We let engineers managing conventional assets know and optimize the impact of their development plans, with simulation level accuracy, without waiting days or weeks.

http://www.frcast.com
Mohammad Evazi | evazi@frcast.com

Ganit Labs
Dallas, Texas

In the onshore O&G fracturing industry, high-pressure pumping equipment are often subject to catastrophic failures, resulting in loss of production and unplanned repair costs. An intelligent AI-based system can predict such failure and provide actionable advance warnings leading to timely intervention. Using machine learning (ML) and advanced data science, Ganit Labs Inc. has designed and developed an early warning system that monitors time series telemetry data from sensors and generates flags for anomalies and impending catastrophic failures. Founded in 2020, Ganit Labs is located in Dallas, TX.

http://www.ganitlabs.ai
Pradipta Ray | ganitlabs.ai@gmail.com

GatherX Analytics
Houston, Texas

GatherX provides data analytics software for midstream natural gas companies that need to optimize their active production time, and are dissatisfied with existing data analytics offerings that do not generate actionable recommendations. In three years we want our software to be the go-to option for any midstream gas company looking to increase return on investment. Unlike general engineering and data analytics consulting, our product is tailored to common optimization issues in the midstream industry, allowing it to frictionlessly provide implementable recommendations. Presently our team of Rice University engineering undergraduates is running a beta version of our offline software.

John Coleman | jmc33@rice.edu

GreenFire Energy
Emeryville, California

GreenFire Energy Inc. develops and sells proprietary technology to collect, transport, and apply geothermal energy for carbon-free power generation, grid balancing, and high-value industrial processes such as hydrogen production. GreenFire's "closed-loop" geothermal technologies exploit the full spectrum of geothermal opportunities starting with well retrofits (geothermal wells and depleted oil and gas wells) and later to large (50MW+) projects where conventional technology cannot operate. The company has become the largest aggregator of IP in the closed-loop geothermal segment. Similarly, GreenFire has developed the world's foremost thermodynamic and well cost models for calculating and optimizing the power potential of closed-loop geothermal systems.

http://www.greenfireenergy.com
Joseph Scherer | joseph.scherer@greenfireenergy.com

HEBI Robotics
Pittsburgh, Pennsylvania

HEBI Robotics provides a platform for agile robotics development, consisting of modular hardware and software tools for motion control. HEBI's platform is used worldwide by over 100 universities, research institutes, and industrial partners to create custom, world-class robots quickly and easily. Additionally, HEBI is using its own platform to provide smart, next-generation robotics tools for industries whose needs are not currently met by existing industrial robotics technology. Our first products are focused on industrial inspection in the oil and gas industry.

http://www.hebirobotics.com
Bob Raida | bob@hebirobotics.com

i2k Connect
Missouri City, Texas

i2k Connect delivers novel Artificial Intelligence technology informed by energy industry knowledge. Our platform transforms unstructured documents into structured data and delivers analysis-ready results directly to knowledge workers in-cloud or on-premise via a browser or REST API. Our software is embedded AI within Schlumberger's DELFI cognitive E&P environment providing auto classification against i2k Oilfield Places and our curated taxonomies from publicly available data sources. Our software development was funded by NSF SBIR Awards and our team of AI PhD(s) and industry experts give our team the ability to add value in days rather than weeks. i2kconnect.com #i2kai

http://www.i2kconnect.com
Becky Thomas | bthomas@i2kconnect.com

Iconic Air
Morgantown, West Virginia

Over the past 5 years, the leak detection and repair market has seen a rapid advancement in hardware innovation ($24B market). Current emissions software leaders are antiquated and lack the capability of processing data from these new systems now being implemented. Iconic Air is a Saas platform that automates the data analytics process for these cutting edge devices and provides insight on asset risk and performance.

http://Iconicair.io
Kyle Gillis | Kyle@Iconicair.io

Infinite Cooling
Somerville, Massachusetts

Industrial plants are one of the largest users of water, mostly for cooling. We have an MIT-developed, patent-pending technology that uses electric fields to recover and re-use water from cooling towers, cutting water and treatment costs and reducing dependence on water resources. The technology has been deployed on two industrial sites. The market is over $20B in power generation, data centers and other industries. The team comprises the inventors of the technology and won many awards including the MIT $100K and DOE national Cleantech competition. The company has raised a $4M seed round in 2019.

http://www.infinite-cooling.com
Maher Damak | mdamak@infinite-cooling.com

Kuva Systems
Cambridge, Massachusetts

Kuva Systems makes the invisible measurable and thereby manageable. Our industrial IoT platform is a low-cost, fully automated, image-based, continuous methane monitoring solution that enables the oil and gas industry to improve operations and meet ESG and methane intensity goals. The solution is designed for effortless automation, continuous leak rate quantification and pinpointing leaks with images, eliminating the need for secondary manual inspections. Kuva Systems has a strategic partnership with a world leader in industrial gas detection, Draeger Safety, and is about to start large scale field trials with Cenovus Energy and others.

http://www.kuvasystems.com/
Stefan Bokaemper | sbokaemper@multisensorscientific.com

Locus Bio-Energy Solutions
The Woodlands, Texas

Locus Bio-Energy Solutions (Locus BE) has technology that brings green biosurfactant treatments to the oilfield that outperform synthetic chemicals at a fraction of the dosage rates and cost. The environmentally friendly solutions have been nationally recognized for their proven ability to maximize ESG and profitability, solve top pain points and help operators do more with less. The treatments have unmatched success in boosting oil production, minimizing new drilling and qualifying users for substantial tax incentives—driving unmatched sustainability and financial security across the oil industry.

http://LocusBioEnergy.com
Jonathan Rogers | jrogers@locusfs.com

M1neral
Houston, Texas

M1neral is building the next evolution of the oil and gas transaction marketplace. By leveraging the power of AI and other digital technologies, we are bringing oil and gas dealmaking into the 21st century. The M1neral platform connects the dots from opportunity to close, allowing oil and gas transactions to take place in a fraction of the time within an institutionally secure and trusted environment.

http://www.m1neral.com
Kyle Chapman | kyle@m1neral.com

MicroSilicon
Houston, Texas

MicroSilicon began as a spinoff from Rice U Electrical Engineering with an innovative technology that extracts digital information in real-time from chemical molecules as they flow past a unique quantum sensor. We licensed the patents and added physics-based AI algorithms to create IoT packages that can be installed on the wellsite and thereby create flow-assurance solutions for oil-companies that allow them to reduce cost and increase production. We have received industry awards for innovation, now have over 10 patents, and are seeing revenue growth in the Middle East and USA. We are looking for funding to further expand portfolio.

http://www.microsiliconinc.com
John Lovell | john.lovell@microsiliconinc.com

Mira
Los Angeles, California

Mira provides hands-free AR hardware & software solutions to transform the productivity and safety of the global distributed workforce. Our hands-free, industrial AR headset is powered by the smartphones you already own and secure, making it 10x more affordable, scalable, and easy to use. Our software platform enables real-time remote knowledge transfer, workflow guidance, and rich data & insights into your front line. Our customers are seeing between 10x-500x ROI in using our platform to conduct audits & inspections remotely, provide SME support to the frontline, and manage routine maintenance & operations.

http://www.mirareality.com
Ben Taft | BEN@MIRALABS.IO

Modumetal
Houston, Texas

Modumetal is a global nanotechnology company that developed and commercially deployed a proprietary nanolamination process to combat corrosion. Modumetal's proprietary process creates layers of nanolaminated alloys which adhere to the surface of base materials in a sustainable manner. These alloys have demonstrated superior performance and durability when compared to conventional products. All laboratory and field trial data has been independently verified by 3rd party sources and commercially adopted by customers. Modumetal's disruptive technology exceeds the performance limitations of conventional materials and is being produced at an industrial scale and a competitive price at our local Houston facility.

http://www.modumetal.com
Dennis Creech | Dennis.Creech@modumetal.com

Momentum Technologies
Dallas, Texas

Our Membrane Solvent Extraction ("MSX") technology was developed and patented by the US DoE to recover critical metals from electronic waste. MSX is cheap, modular, energy efficient, and closed-loop. This breakthrough allows us to bring the processing to the companies creating the waste such as Li-ion battery manufacturers where 3-10% waste is generated at each step of the Li-ion manufacturing process. We recover 99.9% pure Lithium, Nickel, Cobalt and Manganese Oxides from the Li-ion waste that can be reused to make new cathodes.

http://momentum.technology
Preston Bryant | Preston@momentum.technology

Mosaic Materials
Alameda, California

Mosaic Materials develops and manufactures high performance sorbents for carbon capture systems. The long-term potential of the technology is the ability to separate CO2 from nearly any gas stream. Our first target application is to use our ultra-high capacity sorbents to reduce the costs of direct air capture (DAC) systems to <$100/ton. A single 1 Mton/year DAC plant will purchase over $500M of materials in its 20-year lifetime. Gigatons of carbon capture or carbon removal technologies are needed over the coming decades to meet net-zero pledges, and materials for carbon capture systems present a >$100B opportunity.

http://mosaicmaterials.com
Thomas McDonald | tmcdonald@mosaicmaterials.com

NeoCtech
Montréal, Canada

NeoCtech aims at producing high-quality rare earth metals from waste streams collected from end-of-life magnets, electric vehicles, electronics, wind turbines, solar panels, etc. Our 2ET process (Electricity for Electrification) is versatile so that it can be employed to extract other valuable metals such as nickle, cobalt, gold and platinum group metals (PGM). NeoCtech seeks to participate actively into the development of procedures and commercial ventures that support sustainable engineering and the circular economy, by conducting R&D on smart, versatile and clean novel technologies to maximize resource efficiency.

http://www.neoctech.co/
Samira Aghaee Sarbarze| saghaei.1987@gmail.com

NeuDax
Houston, Texas

NeuDax mission is to develop, market and sell superior performance AI-based software tools and services that dramatically improve the predictive accuracy, effective recovery, and lower the costs of unconventional oil and gas exploration and production. As the first product, NeuDax offers Hurax, a cloud-based AI software tool, which helps reservoir engineers and directors to accomplish field development design more efficiently. Using Hurax, clients can lower their break-even price from $50 to $27-$35 per barrel. In addition, Hurax reduces the field development design time to less than a week compared to current 3-4 months with existing tools.

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Naser Tamimi | n.tamimi@neudax.com

New Dominion Enterprises
Austin, Texas

New Dominion Enterprises Inc. (NDE) is a “deep technology” company commercializing the first Inorganic Liquid Material for lithium-ion batteries that increases durability (up to 50% more charge cycles), improves cell safety and enables increased energy density. Material has been manufactured and is available for use NOW. NDE will enable its customers to use the material and purchase it from NDE’s authorized manufacturer and then pay royalties based on sales to end-users. NDE will continue to perform the business development and marketing functions, and promote the technology in technical forums

https://www.newdominionenterprises.com
Jay Fraser | jfraser@newdominionenterprises.com

Nexus Space
Calgary, Canada

Nexus Space is a space and technology company with the capacity to provide cost-effective, leading-edge satellite-based Earth Observation (EO) services to North American and global customers. Nexus Space will launch a satellite-based, hyper- and superspectral monitoring system, providing superior monitoring of the complete North American and global energy infrastructure, e. g. pipeline networks, facilities, refineries, pump stations, storage facilities, wells and other assets. This satellite constellation will be the first to provide a full scan of the Earth every 5 days.

http://www.nexusspace.net
Gerald Bartels | gerald.bartels@nexusspace.net

Nhu Energy
Tallahassee, Florida

Future electric power systems will require unprecedented flexibility, with orders of magnitude increases in variability and distribution of energy resources and loads. This requires significantly more sophistication in electric power system operation, automation, intelligence, and decision support that scales to a coherent, integrated solution across the power system. We accelerate transition of best-in-class intelligent, controls, and decision support solutions from research prototypes to fully de-risked and commercial-utility grade solutions. With non-dilutive funding and our own investments, we have the elements of a superior grid-scale solution offered as a service to unlock energy and demand savings, resiliency, and grid services.

https://www.nhuenergy.com/
Rick Meeker | rmeeker@nhuenergy.com

Offshore Hydraulic Innovation (OHI)
Houston, Texas

Offshore Hydraulic Innovation (OHI) is singularly focused to improve offshore subsea oil and gas production systems, to greatly reduce CAPEX while adding little increased OPEX, so that operators of these offshore fields can realize greater financial performance, greater versatility, and better reuse of materials. OHI's goal is to provide major Oil and Gas Operators an innovative approach to the architecture of a subsea field development with as little subsea field development service umbilical as possible. The solution reduces umbilical installation, sunk-cost, and tubing cost by replacing the umbilical with the subsea hydraulic and chemical pumps and tanks.

http://www.offshorehi.com
Daniel Krohn | dankrohn5@gmail.com

OneStep Power Solutions
Houston, Texas

OneStep Power Solutions is a technology company founded to mitigate operational risk by providing a solution to perform non-destructive power system testing on dynamically positioned vessels. Non-destructive testing with fast and repeatable results provides an indication of the system's overall ability to function correctly in the event of electrical or mechanical failures. We are the only company that can provide comprehensive power assurance on low voltage vessels including OSVs, dive support, and pipelay etc. OneStep's GVRT and ZeroDip technologies allow vessel owners and their clients to safely demonstrate fault ride through capability associated with a short circuit.

http://www.onesteppower.com
Mark Craig | mark@onesteppower.com

OriGen.AI
New York, New York

Reservoir engineers invest months into building simulations, creating field development plans, and optimizing existing assets, and are still forced to make decisions based on suboptimal information. This results in unnecessary capital expenditures, excess operating costs, and reduced production and reservoir recovery factors. OriGen's PROTEUS platform enables full reservoir simulation up to 10,000x faster, actually solving the representative differential equations in order to provide pressure, saturation, velocity, and more at every location. Blazingly-fast automated history-matching massively enhances field development planning and enables real-time optimization, increasing project NPV up to 20%. OriGen offers simulation freedom. Better understanding. Less risk. Maximized performance.

https://www.origen.ai/
Ruben Torrado | rubentorrado@origen.ai

Osazda Energy
Albuquerque, New Mexico

Solar panels are warrantied to operate near their maximum efficiency for 30+ years outside. During their lifetime outdoors, solar panels are exposed to harsh environments for decades often resulting in cracks in the solar cells. These cracks can severely degrade the efficiency of the panels. Osazda Energy developed a unique, innovative, and cost-effective product to alleviate crack-related solar cell degradation. Solar cells made with our technology can have extended operational lifetime at their maximum efficiency. This results in a lower cost of renewable energy for consumers and an increased return on investment for solar project financiers and developers.

http://www.osazda.com
John Chavez | ceo@osazda.com

Osperity
Houston, Texas

Osperity works with many energy companies, and allows them to do more with less. Osperity is a SaaS/ Cloud platform providing major cost reductions in the field with significant improvements in HSE/ ESG protocols by: Capturing massive amounts of data, from any number of video sensors; analyzing that data with computer vision, a specialized type of artificial intelligence; and delivering personalized and actionable alerts via exceptions-based management. The platform works on legacy equipment from any connection in the field by connecting to existing SCADA systems, allowing for open API integration via any cellular or LTE connection. Do More with Less!

http://www.osperity.com
Scott Crist | scrist@osperity.com

Perceptive Sensor Technologies
Tucson, Arizona

PST provides the petrochemical industry with actionable real-time critical data on fluids throughout production and logistics processes - including fluid identification (acoustic fingerprint), material flow by volume and weight, fill level, product quality and software analytics in real-time with non-intrusive technology. Our patented acoustic fingerprint technology can identify fluids non-intrusively. No other product on the market can perform this function from the outside of metal pipes and tanks. Our strategy is to use our core technology as a platform for a variety of applications including manifest verification, monitoring liquids, product movement, flow rates, inventory control, process optimization and asset utilization.

http://www.perceptivesensors.com
John Schlitt | jschlitt@perceptivesensors.com

Perfobur
Houston, Texas

PERFOBUR is an oilfield services technology company with its own R&D centre, testing facility specializing in new drilling & wells stimulation technologies. Technology is based off the modernized and life proven short radius short lateral radial mechanical bit-drilling technology for the next generation of well completions & stimulations. Besides of conventional oil & gas asset, where Perfobur drills out to overcome well known reservoir challenging phenomena, Perfobur also provides the unique services to prepare horizontal wellbores for multistage Fracs & Re-Fracs Completions. Technology is cost-effective with advantages of controlled & surveyable trajectories, re-enterable channels, deep rock jet-acidizing & customized chemical treatments.

http://perfobur.com/en/
Andrey Platunov | aplatunov@perfobur.com

Petroleumsoft
Aberdeen, United Kingdom

Petroleumsoft is a 11 years old company focuses in oilfield digitalisation. We specialise in well stimulation, EOR and production optimisation. The company have 15 years of experience in simulation software development and has gone form zero revenue to $250K revenue. The company have four software solutions and 20 members team who work on its products. Currently we have one paid customer in Qatar. In addition, we have multiple high level discussion going on with companies globally. The company is going under its software evaluation with several companies globally including Chevron, Aramco. ADNOC and ONGC etc.

http://www.petroleumsoft.co.uk
Rameshwar Paswan | rameshwar.paswan@petroleumsoft.co.uk

Planetary Hydrogen
Gatineau, Canada

Planetary Hydrogen creates the greenest fuel on Earth. Our company is bringing to market a massively scalable process which generates hydrogen while capturing and storing carbon dioxide from the air, within the ocean. Our carbon negative hydrogen can be used to fuel trucks and other heavy duty vehicles, provide heat to buildings, power industrial processes, or even replace current fossil fuels within power plants . In addition, we leverage carbon credits to radically reduce production costs, enabling us to provide hydrogen to the world at a fraction of the current market price for today's conventional dirty hydrogen.

https://www.planetaryhydrogen.com/
Brock Battochio | brock@planetaryhydrogen.com

Power Tech Water
Lexington, Kentucky

Intelligent water and wastewater management is increasingly important for many industrial sectors, including Traditional Energy (Oil & Gas), Petrochemical, and Energy Transition (Battery, Automotive, Semiconductor) which have undergone significant technological change and are subjected to increasingly challenging environmental discharge restrictions. PowerTech Water, Inc. (PTW) provides engineered solutions for chemical-free, low-energy, and low-cost water treatment. Our customers are automotive, chemical, battery, and electronics manufacturers, mining, municipal, and commercial real estate operators. Our business model generates recurring revenue from service contracts with industrial partners and licensing revenues from residential markets. We are raising capital to achieve $10 million revenue.

https://electramet.com/
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Prieto Battery
Fort Collins, Colorado

Prieto Battery, Inc. is a developer of advanced Li-ion batteries. The company has developed a new 3-D architecture that results in a battery that addresses all the current shortfalls of existing Li-ion batteries. Prieto 3-D batteries will have the following performance characteristics:

- High energy density
- High power density
- Operate at a temperature range of -20 to 120 degrees Celsius
- Fast charging – charge in 3 – 15 minutes
- Better safety to prevent fires
- Low cost
- Long battery life

The company has 26 issued patents covering 7 distinct inventions. The company is now scaling its manufacturing and initiating commercialization.

http://www.prietobattery.com
Mike Rosenberg | mike.rosenberg@prietobattery.com

ProDrone
Porto Salvo, Portugal

ProDrone empowers decision-makers with high-quality data, moving beyond inspections to continuous, comprehensive asset management. Having developed an autonomous drone inspection solution, drastically reducing downtime and cost with a reliable, repeatable and robust system for collecting high-quality data, we are now ready to develop our solution into a new game-changer for wind. With +10,000 blades inspected in 15 countries, our ambition is to fully digitalize the blade lifecycle, building on terabytes of data collected to predict evolution of damages over time and deliver predictive maintenance, while tapping into the wider repair market, becoming a global reference in the wind industry.

http://www.prodrone.io
André Moura | andre@prodrone.io

QD Solar
Toronto, Canada

QD Solar Inc. is a start-up out of Toronto, Canada, commercializing cutting-edge photovoltaic research out of the University of Toronto. QD Solar's IP-protected product is a drop-in compatible, low-cost, lightweight, and flexible high-power density solar sheet. The team combines two advanced light-absorbing materials (colloidal quantum dots and perovskites) to take solar beyond efficiencies achievable using standard silicon technology. Currently, these solar sheets gain efficiencies of 25% power conversion efficiency (PCE) on a road map to 40+% PCE that no other solar technology can accomplish. Standardized stability testing and ICE certification are well underway.

https://qdsolarinc.com
Dan Shea | dan@qdsolarinc.com

Quidnet Energy
Houston, Texas

Long-duration electricity storage for the power transition is a $T-scale global white-space, within which Quidnet Energy will secure the lowest-cost position. Quidnet stores energy in the form of pressurized water in underground geologic formations to unlock an immense asset deployment opportunity for traditional subsurface players.

http://www.quidnetenergy.com/
Joe Zhou | jzhou@quidnetenergy.com

Rapid Flow Technologies
Pittsburgh, Pennsylvania

Rapid Flow Technologies uses AI to re-imagine mobility. Our Surtrac traffic signal optimization software, already purchased by 16 cities, reduces traffic congestion, emissions, and safety incidents by up to 40%. Our add-on solution Routecast, allows travelers to share additional information with Surtrac (e.g. location, route, speed, etc.), through their smartphone or connected vehicle technology, unlocking an incremental 40% improvement in delay reduction. Routecast allows for a self-funding, incentive-based tolling business model that will revolutionize the industry by delivering value to all stakeholders including a return on investment to fleets and individual commuters, and a new revenue stream for city governments.

https://www.rapidflowtech.com
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RESC (Renewable Energy Storage Company)
Houston, Texas

RESC has developed Greenstore whose key technical innovation is the use of thermal energy storage (TES) along with compressed air energy storage (G-CAES) for long-duration grid-scalable electricity storage. By storing air in an impermeable salt cavern while associated heat is stored in an array of concrete and metal tubes, we achieve green, hydrocarbon-free long-term energy storage. Greenstore follows renewable generation trends while satisfying companies' targets for clean energy. RESC's managers are energy experts, thermal energy storage experts, and renewables, and sustainability experts. RESC has the diligence and conviction to innovate the power storage market. Greenstore: Carbon-Free Long-Duration Renewable Energy Storage.

http://www.RESCompany.llc
Arthur Gelber | art@rescompany.llc

ResFrac
Palo Alto, California

ResFrac optimizes operators' return on investment by providing the industry's only genuinely coupled hydraulic fracturing, wellbore, and reservoir simulator. ResFrac describes both multiphase flow and fracture reopening and propagation, modeling parent/child fracturing and production (with detailed description of frac hits), refracs, and huff and puff EOR. Users can quantitatively optimize landing zone, well spacing, parent-child relationships, cluster spacing, fluid volume, proppant volume, fluid and proppant type, refracturing, and/or EOR huff and puff schemes. ResFrac is used by small independents and supermajors alike, and has been applied across nearly every major American shale play in the US, Canada, and Argentina.

http://www.resfrac.com
Garrett Fowler | garrett@resfrac.com

REVOLUTION Turbine Technologies
Asheville, North Carolina

REVOLUTION Turbine Technologies (RTT) is developing a revolutionary, carbon-free power generation solution that solves pain points for upstream O&G. RTT Is now seeking additional investment in order to complete development and to begin field trials with paying customers. RTT's technology is a micro-Expansion Turbine System (mETS). The mETS uses an existing source of pressurized gas, such as lift gas, to generate power for mission-critical equipment without burning or venting the lift gas, so no CO2 is released.

https://revolutionturbines.com/
Christopher Bean | c.bean@revolutionturbines.com

Revterra
Houston, Texas

Revterra is bringing a new spin to energy storage for industrial and utility scale applications such as the storage of solar and wind energy with the development of our ultra-low-loss flywheel energy storage system that is comparable to lithium ion in power delivered but at half the cost. Current grid-scale energy storage technologies such as lithium-ion batteries make clean energy like solar and wind unclean due to their manufacturing methods and toxic byproducts. Our introduction of a highly efficient, low-cost alternative technology for large scale applications will enable higher penetration of renewables onto the grid.

http://www.revterra.io
Ben Jawdat | ben@revterra.io

Seaformatics Systems
St. John's, Canada

Seaformatics has developed the WaterLily, a portable water and wind micro-turbine that provides off-grid power to those who need it. For outdoor enthusiasts, the military, and remote workers, who are more frequently carrying multiple rechargeable devices, the WaterLily harnesses renewable energy to recharge batteries so that they can stay connected, use their devices more often and recharge 24 hours a day.

http://www.waterlilyturbine.com
Andrew Cook | acook@seaformatics.ca

SeebeckCell Technologies
Arlington, Texas

SeebeckCell Technologies is developing an ionic liquid-based thermoelectric cell which converts heat flow into electrical energy and also store it for later use. These thermoelectric modules can be tailored to meet the voltage, current, and efficiency requirements of diffrent applications. SeebeckCell's patent-pending ionic liquid thermoelectric cells are cost effective, more efficient, use environmentally friendly ionic liquids, and lighter by volume, resulting in an easy to use and sustainable device. SeebeckCell's advantage is a product with higher (Unit Power Generated/Weight) ratio, greener production, and less expensive, synthetic materials that do not require mining. Unlike solid-state TEGs.

http://www.seebeckcell.com
Ali Farzbod | farzbod@seebeckcell.com

SeekOps
Austin, Texas

SeekOps, located in Austin Texas, provides comprehensive emissions inspection services for the oil and gas industry. The SeekOps methods employ advanced sensors, manufactured by SeekOps and integrated onto enterprise-grade drones, coupled with advanced data analytics. The SeekOps methods provides significant benefits over the status quo in terms of increased efficiency, reliability of detection, and comprehensive inspection. The data products generated reveal methane anomalies on-site, localization of sources, and accurate flow rate quantification. SeekOps performs data collection with its experienced staff pilots in the United States and international locations.

http://www.seekops.com
Andrew Aubrey | aaubrey@seekops.com

SensorUp
Calgary, Canada

SensorUp is a NATO-award winning geospatial IoT platform. SensorUp optimizes and automates complex physical operations, such as oil and gas, logistics, public safety, by aggregating data from disparate sensors, extracting actionable insights, and dispatching resources with a workflow engine. SensorUp's key customers include Husky Energy, NASA, the US Dept. of Homeland Security. Customers can make just-in-time critical decisions, automate task efficiencies and achieve global visibility of disparate assets and people—resulting in millions of dollars in savings and reductions in worker safety cases. The SensorUp standards-based platform allows customers to future proof their investment and easily integrate new best-of-breed IoT technologies.

http://www.sensorup.com
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Solchroma Technologies
Somerville, Massachusetts

Solchroma is building a reflective outdoor digital display for the smart cities of the future. Solchroma displays are the clear choice for digital signage in urban environments. Light pollution from LED-based signs has led cities to regulate or entirely ban them - not everyone wants to live in Times Square. But businesses, brands and governments need digital signs to communicate with consumers and residents. Solchroma displays are 100% reflective and produce zero light pollution; they work with sunlight rather than against it to display images in vivid color while consuming less than 1% of the energy of LED displays.

http://www.solchroma.com
Matthew Aprea | matt.aprea@solchroma.com

South 8 Technologies
San Diego, California

South 8 Technologies, Inc. has developed a novel Liquefied Gas Electrolyte (LiGas™) chemistry for next-generation rechargeable and primary lithium batteries and electrochemical capacitors. The LiGas electrolyte enables a wider operating temperature range of -80 to +60 °C, provides increased energy, and improved safety while maintaining compatibility with standard materials and manufacturing. South 8 Technologies started operations in 2017 as a spin out from UC San Diego. We are a diverse team which values integrity, creative thinking, and collaboration with a goal to deliver breakthrough energy storage solutions to advance a clean energy future.

http://www.south8technologies.com
Cyrus Rustomji | crustomji@south8technologies.com

Steelhead Composites
Golden, Colorado

Steelhead is dedicated to the design, manufacturing and testing of specialty lightweight composite pressure vessels to be used for weight-sensitive energy and fuel storage applications. With over 100 customers in virtually every industry, Steelhead's compressed hydrogen storage solutions are being used in gas transport, marine, stationary and on road applications.

http://www.steelheadcomposites.com
Andrew Coors | acoors@steelheadcomposites.com

Subsea Shuttle
Houston, Texas

Industry forecast most near-term deepwater development will be subsea well tiebacks to existing host facilities, saving billions in capex and accelerating first oil. These tiebacks also serve to prolong the economic life of the host facilities. One of the key challenges is safe and reliable supply of required chemicals to protect wellbore integrity and maintain flow assurance in flowline. Incumbent technology, umbilicals are costly, offer limited operational flexibility and many of the older ones (5000+) are failing. Subsea Shuttle's patented technology provides dual-barrier chemical storage and injection of chemicals as a service at the point of need, to 10,000 fsw.

http://www.SubseaShuttle.com
Art Schroeder | art@EnergyValley.NET

SurfEllent
Houston, Texas

SurfEllent develops advanced coatings that prevent the buildup of ice and scale on a variety of surfaces. Utilizing unique materials properties and proprietary technology, our coatings provide dramatically reduced ice and scale adhesion strength, outperforming other advanced coatings technologies across a number of metrics. Our coatings are highly customizable and can function on a variety of surfaces, leading to applications in aerospace, automotive, trucking, marine, rail, and infrastructure.

http://www.surfellent.com
Brian Huskinson | brian.huskinson@surfellent.com

Swirltex
Calgary, Canada

Swirltex uses ultrafiltration membranes in a novel way to keep them from fouling; enabling even the toughest wastewater chemistries to be recycled efficiently and at low energy consumption. The company is in early revenue stages in three market verticals including municipal, industrial and oil&gas for produced water recycling. We are a team of 6 located in Calgary and Houston, looking to help industrial customers save on disposal costs with our environmentally sustainable, modular, and cost effective solution.

http://www.swirltex.com
Melanie McClare | mmcclare@swirltex.com

Sylvan Source (SSI)
San Carlos, California

Sylvan Source's team of thermal energy management experts have developed novel industrial water treatment and energy recovery and re-use systems with game-changing, fundamental advantages in CapEx and OpEx, energy efficiency and process efficiency. Independent industry experts benchmarked the Sylvan Source Core™ water treatment system in several industrial wastewater applications with Sylvan Source consistently 40-50% lower in CapEx and Opex compared to all competitors. Recently, Sylvan Source received an LOI from a multi-national conglomerate for commercial systems. This entity is also expressing interest in investing in Sylvan Source, and exploring a regional JV Partnership. Sylvan Source is ready to initiate deployments.

http://www.sylvansource.com
Laura Demmons | ldemmons@sylvansource.com

Syzygy Plasmonics
Houston, Texas

Syzygy Plasmonics is developing a new type of photocatalytic reactor that is powered by high-efficiency LED's and used for high-throughput, single pass chemical reactions. Our technology will help to electrify the chemical manufacturing industry and reduce its reliance on fossil fuel as an energy source. Our first go to market reactions are focused on hydrogen production, these will reduce both cost and emissions by 50% or more for distributed hydrogen production.

http://www.plasmonics.tech
Trevor Best | trevor@plasmonics.tech

Terrapin Geothermics
Edmonton, Canada

Using a decades long-established Organic Rankine Cycle (ORC) technology, Terrapin can develop baseload waste heat to power projects from our client's infrastructure. For the waste heat not sufficient for power generation, Terrapin can develop direct heat use projects. Using the same ORC technology, Terrapin also has the expertise to identify and end-to-end develop baseload, renewable geothermal power and direct heat use projects that can also generate carbon offsets. In all cases, Terrapin's waste heat recovery and geothermal projects can generate the carbon offsets needed to help our clients get closer to meeting their GHG reduction goals.

http://www.terrapingeo.com
Gray Alton | gray@terrapingeo.com

Thermii
Richmond, Texas

Thermii Inc. is a Delaware corp., started in May 2018 with an initial seed capital of $200K. Thermii's vision is be an Energy Efficiency Leader in Liquid Heating & Cooling using its disruptive heat pump technology and save 75% of energy. It is headquartered in Houston, Texas. It progressed from the R&D to manufacturing & market validation. It is now ready for mass market penetration. Global market in liquid heating & cooling is $300+ Billion per year for residential, commercial & industrial sectors. Thermii has potential to save 75% of the energy cost, making a major impact on carbon footprint.

https://www.thermii.com/
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TODAQ
Toronto, Canada

When applied to the energy sector, TODAQ services have been used for commercial shipments, essential process equipment for companies integrating waste recycling facilities. Tracking shipments through numerous sites across continents into a central warehouse. Built on the TODA Protocol that enables secure ownership of digital assets, commoditizes the settlement of value, and can be run on a network of mobile devices. All the supply chain assets have been registered each with their own embedded and immutable ledgers, transacted instantly, and with a final, universal p2p settlement between each company account node that capture ownership of supply chain equipment.

https://todaq.net/
Hassan Khan | hassan.khan@todaqfinance.com

Transitional Energy
Aurora, Colorado

Transitional Energy's (TE) goal is to be the bridge between traditional sources of power generation (oil/gas/coal) and the current renewable generation portfolio (wind/solar) by generating baseload, renewable power from existing energy assets. TE will utilize existing well infrastructure within oil and gas basins and proven, off-the-shelf heat power units to become a pioneer in sedimentary geothermal power generation. Our team has spent the majority of their careers in the natural resources and energy industries and are experts in the geology, engineering, and reservoir characteristics of existing oil and gas wells, in addition to our experience in power markets.

https://transitionalenergy.us
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Tri-D Dynamics
San Mateo, California

Connected, or "smart" infrastructure is necessary to bring the automated age of drilling, completions, and production for O&G wells. This transition to automation is currently stymied by the lack of high bandwidth telemetry and reliable sources of power due to high cost of implementation and lack of reliability. Our first product a smart production casing, named Bytepipe, with power and data conduits built into a seamless finish. We intend to make a fundamental change in the upstream O&G market by creating a new platform for reliable power and high bandwidth telemetry for sensing technologies and digitally assisted well completions.

http://www.triddynamics.com
Deepak Atyam | deepak@triddynamics.com

Troposphere Monitoring
Austin, Texas

Fixing methane leaks is easy, but finding them is hard, and increasing pressure from regulatory and financial stakeholders makes quantifying and curtailing greenhouse emissions of strategic importance. Troposphere's stationary hydrocarbon sensors help oil and gas producers & landfill managers to quickly, remotely, and affordably identify methane sources. Their technology–piloted by market leaders like ExxonMobil–measures hydrocarbon concentrations on-site in real-time and remotely converts data into emission rates and actionable repair recommendations. Founded by a team of PhDs from Johns Hopkins University, the company is backed by the National Science Foundation, Techstars, and Caltech's RocketFund.

https://www.troposphe.re/
Anna Scott | anna@tropospheremonitoring.com

Uplift Solar
Las Vegas, Nevada

Through coordinating electronics, Uplift Solar will enable clean and infinite energy by making solar panels and batteries an easy-to-use building material -- as simple and ubiquitous as lumber or drywall. Our power electronics technology will be cost-reducing (at scale) AND efficiency increasing compared to the incumbent. We have received strong interest from residential as well as utility-scale module manufacturers.

http://upliftsolar.com
Darius Roberts | darius@upliftsolar.com

VEERUM
Calgary, Canada

VEERUM provides the primary visualization platform to combine all CAD, geospatial, document management IoT and operational systems. Clients can now elevate all their siloed and valuable data into an easy to use cloud-based platform. More than ever, the world needs the ability to work remotely and collaborate virtually with all their facilities and assets. VEERUM can be live and operational in 48 hours - this is unmatched in the market.

http://veerum.com
David Lod | david.lod@veerum.com

Veros Systems
Austin, Texas

Backed by Austin Ventures, Chevron Technology Ventures, Shell Ventures and LiveOak Venture Partners, Veros provides technology to allow industrial motors to talk. Highly sophisticated data-processing AI/ML techniques are used to decipher current and voltage waveforms associated with induction motors in order to gain valuable insights into the performance, mechanical condition and likelihood of failure both motors and their loads (pumps, compressors). Licensing agreements are in place with Fluke and Siemens.

http://www.verossystems.com
Jim Dechman | jim.dechman@verossystems.com

Viking Cold Solutions
Houston, Texas

Houston-based Viking Cold Solutions has developed and commercialized Thermal Energy Storage (TES) technology that offers both sustainability benefits and rapid paybacks for companies in the temperature-controlled food business. This cold storage industry consumes over $40bn in energy costs annually, and Viking Cold's TES delivers repeatable and documented 20% to 35% savings to the customer. The TES system also adds resiliency to protect the quality of the food, reduces maintenance costs, and provides benefits to the electrical grid and the environment. The company has multiple patents, copyrights, and trade secrets.

http://www.vikingcold.com
James Bell | jbell@vikingcold.com

Virtuio
Houston, Texas

Virtuio is making AI-enabled Virtual Flow Measurement (VFM) a reality. Virtuio uses AI to optimize fluid flow in industrial processes through the virtualization and enhancement of physical flow meters. Virtuio's AI driven virtual flow measurement and optimization is enabling industrial companies to optmiize their production processes and significantly reduce operational costs. Virtuio is a spin-out of Arundo's co-development partnership with ABB and has expertise in fluid dynamics, industrial processes, AI, and advanced analytics.

Piers Wells | piers.wells@virtuio.ai

Vitro Technology
Austin, Texas

Vitro authenticates and structures remote operating data into secure IoT Blocks. IoT Blocks protect data from the point-of-origin, then keep data secret in-motion and at-rest in the cloud. IoT Block data is served as authenticated, trusted input for virtual tools and automation (e.g. AI, ML, Blockchain). IoT Block data is served to Zero-Trust applications for Multi-domain users and applications through a centralized Broker controlled by the customer. Blockchain applications are served IoT Block data through a Blockchain Oracle, a specialized smart contract controlled by the customer.

https://vitro.io
David Goodman | david@vitro.io

Volexion
Chicago, Illinois

Drop-in graphene coating & process solution, protecting Lithium battery cathode materials and driving game-changing improvements (5-10x power performance, 2x cycle life, low temperature performance and safety breakthrough). Volexion's coating further enables high-energy cathode materials, driving 35%+ increase in energy density and 30%+ cost reduction. Volexion is drop-in, highly scalable and compatible with existing and future chemistries. Developed at Northwestern University and Argonne, Volexion received the Ten@Ten award from DoE's Energy Frontier Center.

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Voyager
Houston, Texas

Voyager is helping companies across the energy ecosystem re-think how they manage their marine supply chain. By adopting Voyager's workflow and analytics platform, customers are able to increase visibility, streamline communications, and gain deep insights into the performance of their supply chain. Voyager customers include refiners, traders, wind blade manufacturers, offshore drillers and more

http://www.voyagerportal.com
Matthew Costello | matt@voyagerportal.com

VUV Analytics
Cedar Park, Texas

VUV Analytics harnesses the unique properties VUV spectra to dramatically improve the analysis of fuels, petrochemicals, and lower carbon materials. Our VUV Analyzer for Fuels has been approved by ASTM for EPA testing of gasoline, replacing four legacy methods and reducing cost per sample by more than 90%. It has also been approved for testing aromatic content in jet fuel, with diesel and DHA methods pending. For low carbon initiatives, such as recycled plastic feedstock and biofuel blends, GC-VUV brings analytical accuracy that legacy methods lack, enabling critical process inputs and feedback. GC-VUV is used by over 50 major customers.

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W7energy
Wilmington, Delaware

W7energy will transform the future of energy and produce clean hydrogen at scale—reliably and affordably. Our innovative alkaline-based electrolyzer system introduces our new class of patented polymers. Using only pure water and renewable electricity, W7energy's cost-effective green hydrogen (CO_2 free) solution has the potential to substantially reduce over 36% of the global carbon emissions.

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Wave9 Technology
Vancouver, Canada

Wave9 enables conventional oil producers to improve production, reduce operating expenses, and mitigate environmental impact by automating daily site inspections using our purpose-built technology platform, coupled with AI. We automatically inform lease operators or pumpers of issues in order to reduce site visits and allow management by exception. Unlike either traditional remote monitoring or newer video surveillance technologies which tend to create a lot of data that still needs to be analyzed by operation staff, Wave9 delivers a streamlined workflow and minimizes the impact on the existing inspection process.

https://wave9.co
Ian Cunningham | ian@wave9.co

Westgen Technologies
Calgary, Canada

Westgen Technologies is a remote power generation company focused on eliminating methane emissions on well sites worldwide. Using a solar-hybrid design, Westgen developed technology to generate provide remote power within the 5 kW to 30 kW range (known as the remote power generation gap). This enables cost-effective deployment of compressed air to remote well sites, which was previously prohibitively expensive. By replacing fuel gas with clean compressed air, gas venting from pneumatics is eliminated, resulting in a 99% overall emissions reduction for the system.

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Xecta
Houton, Texas

Xecta's digital platform blends AI and adapted domain physics to solve complex engineering problems at scale. With an operator's eye, we cover one continuum from upstream subsurface to downstream gathering systems in a seamless cognitive twin

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Yotta Energy
Austin, Texas

Yotta Energy (Yotta) is a renewable energy storage company headquartered in Austin, Texas. Yotta has developed PV-Coupled™ architecture, a smart energy storage solution designed to effortlessly scale with rooftop solar PV projects. Yotta's patented panel-level energy storage solution seamlessly integrates with solar racking and features advanced thermal management to maintain an optimal working temperature even under extreme outdoor conditions. Yotta's solution also addresses grid outages by enhancing grid resilience and reliability at a much lower installed cost than any current solution available today.

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Promethean Energy
Mumbai, India

Promethean Energy is a thermal energy ESCO helping industries reduce their carbon footprint. Using a mix of ingrown as well as market proven technologies, combined with a full stack industrial IOT layer - Promethean Energy is able to deploy solutions in factories at zero cost to end users, and share savings with them over a contract period. With pilots and successful installations running in some of the largest factories in India, Promethean is looking to capture this 100 GW market.

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