

**Acoustic Wells**

Somerville, Massachusetts

Acoustic Wells is focused on democratizing Industry 4.0 innovations through use of novel signal processing & physics know-how with easy-to-use IoT hardware & software, starting in the legacy oil & gas space. Our initial products include a series of sensors to monitor both tanks and the wellhead that connect to our cloud platform, allowing operators to run their assets smarter and cleaner than ever before, all at a price point order of magnitude below the cost of traditional monitoring or control options.

<https://www.acoustic-wells.com>

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**ALLY ENERGY**

Houston, Texas

ALLY is a digital community addressing the diversity talent and culture gap for the energy transition. We are the talent platform for the energy workforce of the future. For professionals, we help them find career advice, jobs, publish insights, and network with colleagues. For companies committed to diversity and inclusion we help provide them a framework to become a leader in attracting top talent, building amazing culture and retaining high performers. We give them tools to recognize their talent and tell stories that humanize our industry.

<http://www.allyenergy.com>

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**Bluefield Technologies**

Claymont, Delaware

Bluefield Technologies provides independent ESG data (such as emissions) on 4 million assets and 120,000 companies in over 130 countries. We apply our proprietary algorithm (utilizing AI and ML techniques) on data from 23 different satellites, a range of ground sensors, government records, and other reliable independent data sources. We then make actionable company/asset-specific ESG analysis and alerts available to our clients via our secure data portal and APIs. The data we provide means no one will need to fight climate change blindfolded.

<https://www.bluefield.co>

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**Cemvita Factory**

Houston, Texas

We engineer microbes to use carbon dioxide or methane as a feedstock for the production of carbon-negative industrial chemicals. Our clients are oil and gas, chemical, mining, and aerospace companies that strive to apply nature-inspired technologies for reducing their carbon footprint while creating new revenue streams.

<https://www.cemvitafactory.com>

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**CONNECTUS****Connectus Global**
Calgary, Alberta, Canada

Connectus leverages digital technologies for improved safety and productivity in the work place and is enabling the industry by providing a range of products such as advance Ultra-Wideband Real Time Location Systems, document digitization and electronic permitting for identity, access and certification of data. We are a leader in worker safety, productivity and process automation solutions for the energy, industrial and mining sectors on a global scale. In addition, we have a business continuity solution for facilitating safer operations and a streamlined return to work.

<https://www.connectusglobal.com>

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**DAMORPHE | OVOPOD**
Houston, Texas

A company of innovators, we are committed to delivering extraordinary products, transforming the world through disruptive innovation. We are strategically focused on engineering materials with sensing and artificial intelligence, wherein we provide them the ability to learn from and respond to their surrounding environment. We also employ a unique approach to the innovation process, not just inventing, but synthesizing and cross-pollinating technologies across industries in the mechanical, material science, and electronics domains. Our vision is to be the company of choice in all industries in which we operate, delivering extraordinary products using novel technology and bringing value to our customers.

<https://www.damorphe.com>

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**DrillDocs**
Houston, Texas

DrillDocs, through its CleanSight™ automated drilling cuttings characterization service supports operators' understanding of their wellbore's state of stability and cleanness in real-time. By deploying a robust, easy-to-install and maintain, surface-based computer vision system on the rig's shale shaker, DrillDocs can provide key data about the size, shape, and quantity of rocks returning to the surface. Through edge computing, the data to monitor, alert, and advise will be delivered to drilling team members via laptop, EDR, or smartphone, giving them more transparency as to what's happening downhole and the ability to revise operations quickly to avoid costly downtime.

<http://www.drilldocs.com>

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**GreenFire Energy****GreenFire Energy**
San Francisco, California

At GreenFire we develop and deploy our GreenLoop technology to significantly expand the usage of geothermal energy for economic power generation and certain high-value industrial applications. GreenLoop technology captures, transports, and transforms previously inaccessible geothermal energy. GreenLoop's innovative, closed-loop solutions extract energy from a broad spectrum of geothermal resources where conventional geothermal technology doesn't perform well or degrades over time, which happens to include the vast bulk of the world's geothermal resources. Also, unproductive geothermal, or oil and gas wells, can be retrofit to become productive again.

<http://www.greenfireenergy.com>

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**inerG**

Houston, Texas

inerG introduced new ways to manage, evaluate, acquire/divest energy asset portfolios with its next generation data driven economics and reserves software and asset performance monitoring platform. inerG helps manage energy assets with confidence on achieving optimal returns through timely insights on production yields, costs, market price sensitivities and risks.

<https://inerg.com>

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**Locus Bio-Energy Solutions**

The Woodlands, Texas

Locus Bio-Energy Solutions uses patented production technology to commercialize the first biosurfactant treatments proven to maximize ESG and profitability of oilfield operations by replacing and outperforming synthetic chemicals. The environmentally friendly solutions sustainably boost oil production at a fraction of the dosage rate and minimize new drilling to solve top pain points and help operators do more with less. They are the only biosurfactants approved as a tertiary EOR technology, qualifying users for millions of dollars annually in state tax incentives. The treatments have received global recognition for their success in driving sustainability and financial security across the industry.

<http://LocusBioEnergy.com>

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**Nesh**

Houston, Texas

Nesh is a Conversational Search Assistant designed to find answers to your technical and business questions 10x faster via the power of Natural Language Search. Nesh is like a combination of Google, IBM Watson, and Alexa tailored for the Energy and Industrial sector. She can connect to and find answers within any unstructured data, public or private

<http://www.hellonesh.io>

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**Pythias Analytics**

The Woodlands, Texas

Extreme weather events, intensified by climate change, have resulted in over \$1.3 Trillion in damage to the United States economy since 2000, with 2020 setting the annual record of extreme weather events at over \$22B in disasters. Pythias Analytics' best in class solutions effectively address this climate risk. Our SaaS platform, which is driven by a decade of climate and decision science research will provide customized risk analytics and scenario analysis for the energy sector to better assess risk, identify mitigation options, make key decisions, and take critical action towards reducing losses and risk to assets and operations.

<http://www.pythiasanalytics.com>

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REVOLUTION Turbine Technologies

Asheville, North Carolina

REVOLUTION Turbine Technologies (RTT) has developed a clean power generation solution that solves pain points for upstream and midstream O&G through smart waste energy recovery. RTT's solution is a micro-Expansion Turbine System (mETS) that generates green power for digital oilfield and pipeline initiatives through the recovery of excess gas pressure. The mETS can be used in conjunction with a variety of types and sources. These include gas lift systems on remote unmanned offshore platforms, at various locations within natural gas distribution networks, at onshore well heads, or anywhere else where gas pressure differential exists.

<https://revolutionturbines.com>

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Revterra

Houston, Texas

The cost of renewable energy sources has decreased steadily over the past decade and is now competitive with fossil fuels; a key barrier to the energy transition, however, is clean, cheap, and scalable energy storage to manage the intermittency of renewables. Revterra is developing a clean solution based on the storage of kinetic energy in a low-cost steel flywheel suspended by a highly efficient, passively stable magnetic bearing.

<https://www.revterra.io>

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ROCsole

Kuopio, Savonia, Finland

Rocsole is a Finnish deeptech/cleantech startup providing advanced sensors that function with an unwanted surface accumulation to provide critical process flow data for the oil & gas industry. This is paired with our software for image recognition to provide diagnostics and analytics enabling cost efficient operations for our customers. Our pipeline analytics provides data >1000 times faster than incumbent technology enabling predictive maintenance.

<https://www.rocsole.com>

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Senslytics

Peachtree Corners, Georgia

Senslytics, headquartered in Atlanta develops advanced AI software called "Sixth Sense Suite" that can combine deep learning with expert's qualitative interpretation to Forewarn hard-to-detect state changes in O&G, biological, or geological systems. The software is most relevant when obtaining measurements of the desired outputs by direct sensing are not an option, and available data are limited. Built on its patented Intuition Technology, Senslytics aims to Forewarn lead time to complex state changes in order to optimize operations or curb emergencies. Much of Senslytics technology is applied to AI green fields and total available market is estimated over \$10 BN.

<http://www.senslytics.com>

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Subsea Micropiles

Howth, County Dublin, Ireland

Subsea Micropiles Ltd.(SM) is adapting terrestrial micropiling technology to the offshore construction sector for high performance seabed foundations and anchors, supporting a wide range of applications including increasingly larger offshore wind turbines. Micropiling has grown to become the dominant foundation and anchoring solution for onshore infrastructure since the 1950's. Recent advances in underwater robotics now opens the vast market for offshore piling and anchoring to low-cost micropiling, with savings as much as 50% compared with conventional solutions. SM has captured exclusive rights to deliver this technology to offshore markets globally.

<https://subseamicropiles.com>

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Syzygy Plasmonics

Houston, Texas

Syzygy Plasmonics is developing a first of its kind photocatalytic reactor to electrify chemical production. When powered with renewable electricity, this platform technology is able to reduce both cost and emissions from many different chemical reactions. Syzygy's go to market product will focus on transforming the economics of zero emission hydrogen production to help accelerate the energy transition. After market entry with hydrogen, Syzygy plans to expand into other reactions such as, CO2 to value, fertilizer, and commodity chemicals.

<http://plasmonics.tech>

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Transitional Energy

Aurora, Colorado

Transitional Energy (TE) provides clean, baseload power by extracting thermal energy from recycling oil and gas infrastructure utilizing off-the shelf ORC power generation units. As we transition into a carbon-free electricity future, we need all forms of renewable energy to power the world. Geothermal energy is clean, renewable, and most importantly, baseload. Leveraging 54 years of combined experience across energy start-ups, environmental consulting, and oil & gas, TE solves the major capital risk associated with traditional geothermal power sources by eliminating the need for drilling and exploration, and converts existing energy assets into renewable power generators.

<https://transitionalenergy.us>

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Universal Subsea

Houston, Texas

Universal Subsea provides advanced engineering solutions for the offshore oil and gas industry to reduce intervention costs, improve reliability and extend well operating life. USI's patented subsea isolation cap and proprietary preservation fluids are the first of many products planned for the offshore industry and related high pressure equipment applications where we will bring advanced engineering and manufacturing solutions to our industrial customers.

<http://www.universalsubsea.com>

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