Startup List

May 1, 2018

Advanced Potash Technologies: Solving the food crisis with an innovative modern fertilizer

Advanced Potash Technologies (APT) is a mining-meets-agriculture company that aims to disrupt the $20 billion global potassium fertilizer (potash) market. Our technology derives from IP developed at MIT that has been successfully tested in the world's most respected agronomic facilities.

advancedpotash.com

Affectiva: Humanizing technology with Emotion AI

Emotion recognition.

Affectiva technology analyzes subtle facial expressions to identify human emotions. We offer several emotion recognition products—from an easy-to-use SDK and API for developers, to robust solutions for market research and advertising.

affectiva.com

Arundo: Smarter operations through industrial analytics

Arundo Analytics is a software company enabling large-scale machine learning and advanced analytics in heavy industry. In areas such as asset utilization, equipment monitoring, logistics and scheduling, safety, and other critical operational processes, Arundo helps asset owners, OEMs, and service companies drive immediate value from data.

arundo.com

Asimov: Programming living cells to bring impossible biotechnologies to life

Asimov programs living cells to create previously impossible biotechnologies. Asimov's genetic engineering platform combines computer-aided design, artificial intelligence, and synthetic biology.

asimov.io

C2Sense: Gas sensing technologies

C2Sense aims to provide cost-effective and complete solutions to the world's sensing problems. Through patented chemiresistive sensing, C2Sense is able to selectively target gases that cannot be sensed through other methods. With a broadly applicable sensing platform, C2Sense is capable of making an impact on a variety of the world's problems.

c2sense.com

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Catalia Health: Scalable chronic disease management using interactive robotics

Catalia Health is a chronic disease care management company with an effective, scalable solution for patients and the healthcare system. Our easy-to-deploy programs use an interactive robot called Mabu to effectively engage patients in better managing their treatment while delivering actionable data to our customers and partners. Our partners provide better care to their patients with Catalia Health

cataliahealth.com

Cogito: Real-time emotional intelligence software with live behavioral guidance

Real-time conversational guidance: Cogito detects human signals and provides live behavioral guidance to improve the quality of every interaction.
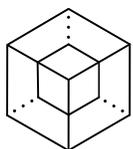
cogitocorp.com

Desktop Metal: Metal 3D printing, from prototyping to mass production

Desktop Metal was founded to make metal 3D printing more accessible to engineers and designers. Current methods are too expensive and industrial for prototyping and not fast enough nor cost-effective enough for mass production. Fundamentally different approaches are needed to move metal 3D printing beyond its current limits. Desktop Metal introduces the Studio System™ for office-friendly 3D printing, and the Production System™ for mass production.

desktopmetal.com

Enigma: Secure data sharing

Enigma is a blockchain-based protocol that uses groundbreaking privacy technologies to enable secure data sharing and computation. Enigma uses "secret contracts," privacy-enabled smart contracts with secure computation, where sensitive input data is kept hidden at all times. This enables entities to securely share and collaborate on data, unlocking new value and reducing data liability.

enigma.co

Feature Labs: Tools and APIs for data science automation

Feature Labs makes it easier to create new machine learning products and services. Enabled by tools and API's for automated feature engineering, Feature Labs helps data science teams deploy impactful machine learning solutions 10x faster. Feature Labs is changing the way organizations in the retail, marketing, financial services, and manufacturing industries approach solving machine learning problems.

featurelabs.com

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figur8: Quantifying the micro-expressions of your body

FIGUR8

figur8 is building the first wearable platform that provides real-time feedback and analysis of body movement control. figur8's configurable sensor system can monitor segments or full-body motion and can be easily deployed in any setting. figur8 is bringing lab-grade accuracy to the field and is a step-function less expensive than current solutions.

figur8.me

Form Energy: Clean energy for the baseload grid

FORM ENERGY

Form Energy is designing grid-scale batteries to be paired with renewable energy as a replacement for fossil fuel generation globally.

FormLabs: Powerful, affordable 3D printers for professionals

formlabs

Formlabs designs and manufactures powerful and accessible 3D printing systems and is establishing the industry benchmark for professional 3D printing for engineers, designers, and manufacturers around the globe. The company's products include the Form 2 SLA 3D printer, Fuse 1 SLS 3D printer, Form Cell manufacturing solution, and Pinshape marketplace of 3D designs. Formlabs also develops its own suite of high-performance materials for 3D printing, as well as best-in-class 3D printing software.

formlabs.com

Gamalon: Teaching computers actual ideas

gamalon

Two thirds of data crucial to customer experience and digital transformation is free-form and therefore cannot be used. Gamalon's AI platform takes unstructured survey text, chat messages, trouble tickets, and more, and outputs drill-down customer analytics, sales and marketing responses, and database-ready information.

gamalon.com

Ginkgo Bioworks: Manufacturing custom microbes for cross-industry applications

GINKGO BIOWORKS™
THE ORGANISM COMPANY

Ginkgo Bioworks is the organism company. We design custom microbes for customers across multiple markets. Gingko Bioworks builds foundries to scale the process of organism engineering using software and hardware automation. Organism engineers at Ginkgo learn from nature to develop new organisms that replace technology with biology.

ginkgobioworks.com

Humatics: Revolutionizing how people and machines locate, navigate, and collaborate

Humatics is pioneering microlocation technology, offering centimeter- and millimeter-scale positioning that is faster, more precise, and affordable than any existing 3D positioning or location tracking technology on the market.

humatics.com

Legit: An operating system for invention powered by AI

Legit is a responsive AI-powered software that provides a remedy to how companies previously captured inventions. It's engaging for the inventor, accessible anywhere at any time, and scalable for the IP and R&D departments.

legit.ai

LiquidPiston: Compact, quiet, high-efficiency, multi-fuel engines

LiquidPiston develops compact, powerful, quiet, efficient, low-vibration, multi-fuel capable combustion engines that are scalable from 1HP to over 1000 HP.

liquidpiston.com

NeuroMesh: A vaccine for your IOT

NeuroMesh is a managed security and intelligence platform for IoT and Industrial IoT devices. They have created a vaccine for IoT by repurposing malicious hacker weapons for good.

neuromesh.co

PathAI: Advanced learning for faster, more accurate diagnosis of disease

PathAI is evolving pathology using machine learning and deep learning techniques to drive faster more accurate diagnosis of disease.

pathai.com

Poly6: Digitizing industrial manufacturing processes using new materials

Coming out of MIT's Langer Lab, Poly6 bridges gaps between theoretical design and practical manufacturing, enabling the production of more complex components, improved tolerance control and overall higher efficiency of end-user systems. In certain verticals, this digitization reduces costs in established manufacturing sectors by as much as 30% while avoiding both regulatory and new material specification complications.

poly6.com

Tetrascience: Data platform for the life science industry

TetraScience is a data platform for science and innovation. We are connecting critical information sources to a single dashboard, resulting in faster and more impactful discoveries across several industries. Whether doing experimentation at the bench or monitoring a scale-up process, TetraScience can provide operational visibility and data analytics in a central place.

tetrascience.com

TVision Insights: The television attention measurement company

TVision Insights is the television attention measurement company pioneering the way brands, their agencies, TV networks, and OTT platforms determine the true value of their video content and advertising. The company's core technology uses patented computer vision algorithms to passively measure "eyes on screen", the single most accurate way to measure person-level engagement with video content.

tvisioninsights.com

twoXAR: Artificial intelligence-driven drug discovery

twoXAR is an artificial intelligence-driven drug discovery company. The company leverages its computational platform to identify promising drug candidates, de-risks the opportunities through preclinical studies, and progresses drug candidates to the clinic through industry and investor partnerships.

twoxar.com

WiTricity: Powering life, wirelessly

WiTricity develops solutions to enable wireless power transfer over distance using its patented magnetic resonance technology. WiTricity works with top global carmakers and Tier 1 suppliers to deploy magnetic resonance solutions, helping realize a future of transportation that is electrified, shared, and autonomous.

witricity.com

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MIT Startup Exchange

MIT Startup Exchange actively promotes collaboration and partnerships between MIT-connected startups and industry. Qualified startups are those founded and/or led by MIT faculty, staff, or alumni, or are based on MIT-licensed technology. Industry participants are principally members of MIT's Industrial Liaison Program (ILP).

MIT Startup Exchange maintains a propriety database of over 1,500 MIT-connected startups with roots across MIT departments, labs, and centers; it hosts a robust schedule of startup workshops and showcases, and facilitates networking and introductions between startups and corporate executives.

MIT Startup Exchange and the Industrial Liaison Program are integrated programs of MIT Corporate Relations.

STEX25

STEX25 is a startup accelerator within MIT Startup Exchange, featuring 25 "industry ready" startups that have proven to be exceptional with early use cases, clients, demos, or partnerships, and are poised for significant growth. STEX25 startups receive promotion, travel, and advisory support, and are prioritized for meetings with ILP's 230 member companies.