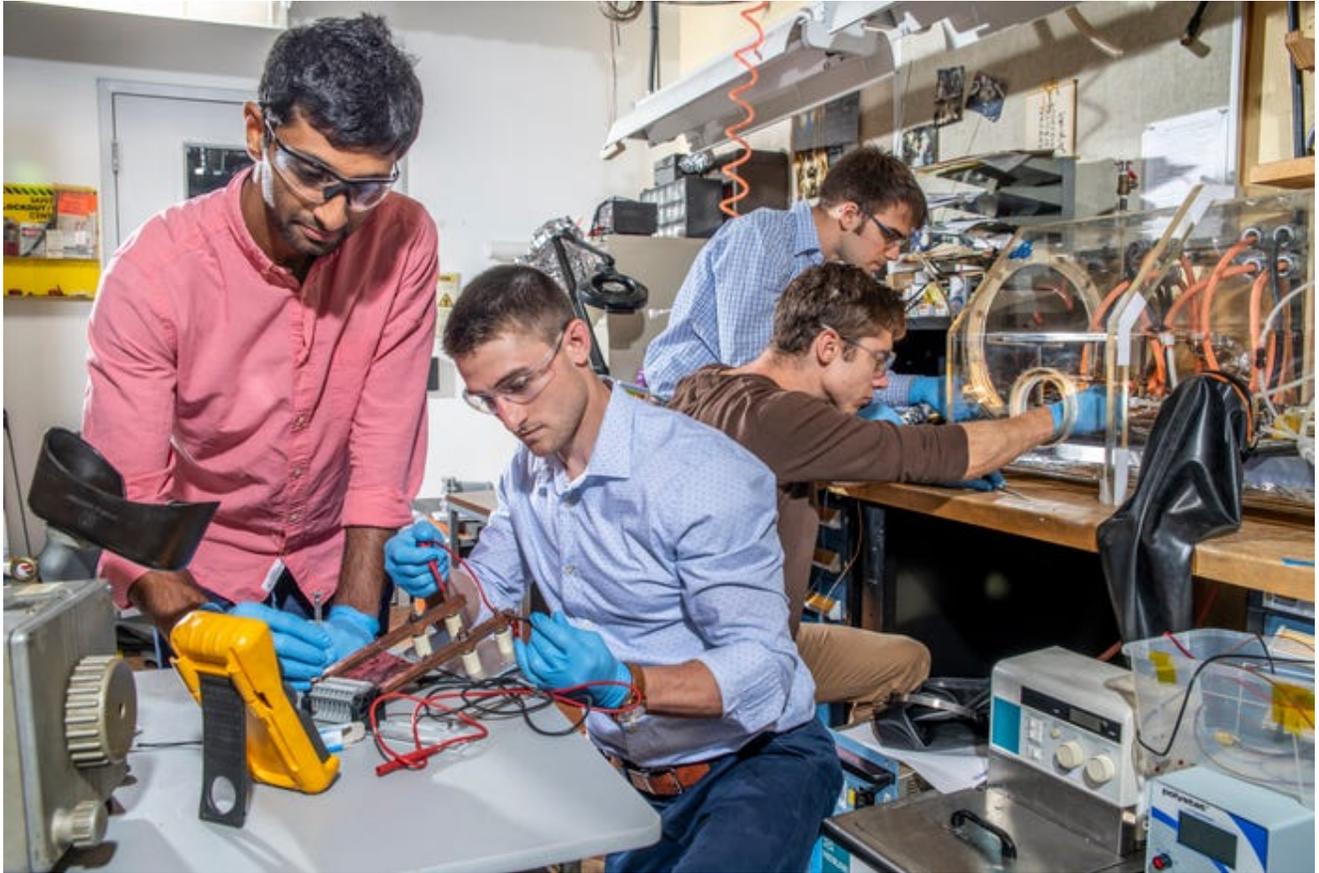


Climate-tech startups to watch in 2021, according to VCs

BI [businessinsider.com/climate-tech-startups-to-watch-in-2021-according-to-vcs-2020-12](https://www.businessinsider.com/climate-tech-startups-to-watch-in-2021-according-to-vcs-2020-12)

Benji Jones Dec 14, 2020, 5:59
AM



AMP Robotics



An AI-driven robot for sorting recycling, developed by AMP Robotics
AMP Robotics

Year founded: 2014

What it is: AMP Robotics develops intelligent robots that sort through waste "to extract maximum value for businesses that recycle municipal solid waste, e-waste and construction and demolition," the company says.

Total funding: \$23 million

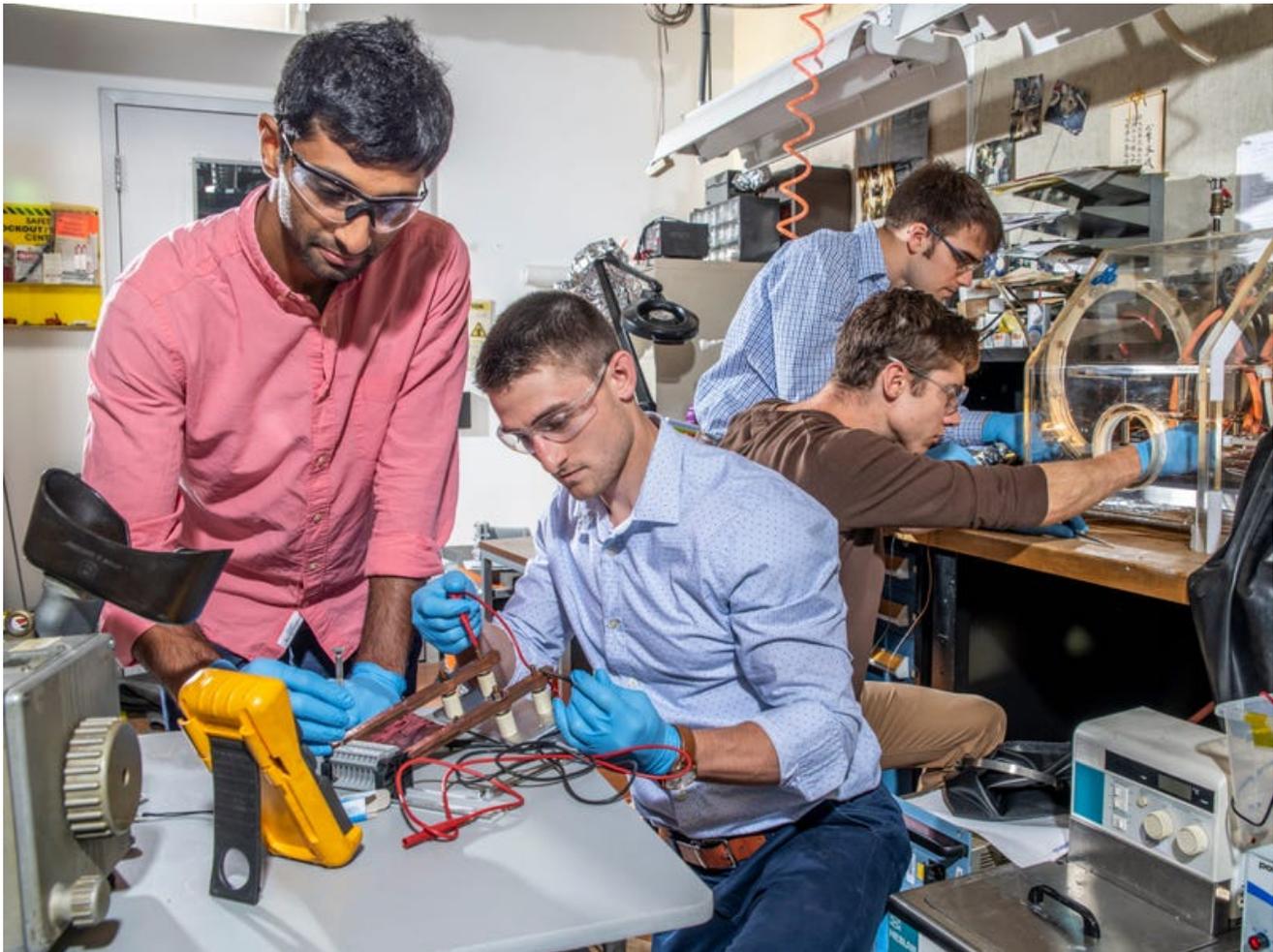
Notable investors: Sequoia Capital, Congruent Ventures, and Closed Loop Partners

Picked by: Josh Posamentier, cofounder and managing partner at Congruent Ventures, and Gabriel Kra, managing director at Prelude Ventures

"It changes the economics pretty dramatically for recycling from something that's maybe breakeven-to-money-losing for most cities to something that's solidly profitable"

— Josh Posamentier of Congruent Ventures (Congruent Ventures is an investor)

Antora Energy



Antora Energy's team. From left to right, Tarun Narayan, David Bierman, Justin Briggs (seated), Andrew Ponec
Antora Energy

Year founded: 2018

What it is: An early-stage startup, Antora Energy is developing an unusual kind of long-duration battery. It uses electricity to heat up carbon to the point where it's radiating light, like hot coals in a fire. Then, when electricity is needed, it exposes the glowing carbon to solar cells, which convert that light back into electricity. Andrew Ponec, a cofounder, was one of Business Insider's rising stars of clean energy.

Total funding: \$15 million including grant funding

Notable investors: Shell's incubator, GameChanger

Picked by: Lene Hviid, general manager of Shell GameChanger

"I was really quite impressed with Antora. They've also been very mindful and listened to their customers. I think they could come far."

— Lene Hviid of Shell (Antora was in an accelerator program run in collaboration with Shell GameChanger)

Note: This slide was updated to clarify that Antora was part of an accelerator run in collaboration with Shell GameChanger.

Apeel Sciences



"Apeel produce lasts at least 2X longer than untreated produce," the company says.
Apeel

Year founded: 2012

What it is: Apeel developed a plant-based protective coating designed to make produce last longer and reduce food waste, a major source of carbon emissions.

Total funding: \$385 million

Notable funders: Andreessen Horowitz, DBL Partners, GIC, S2G Ventures, Tao Capital Partners, The Bill & Melinda Gates Foundation, and The Rockefeller Foundation

Picked by: Nancy Pfund, founder and managing partner of DBL Partners

Arcadia



Arcadia

Year founded: 2014

What it is: Arcadia is a digital startup taking on the utility industry by offering consumers access to clean energy through an app. Kiran Bhattraju, the company's founder, was one of Business Insider's rising stars of clean energy.

Total funding: \$70 million

Notable investors: Kleiner Perkins spinout fund G2VP, BoxGroup, Energy Impact Partners, and Macquarie

Picked by: Adam Rothenberg, partner at BoxGroup, and Brook Porter, partner and cofounder at G2VP

ADVERTISING



AutoGrid CEO and founder Amit Narayan
AutoGrid

Year founded: 2011

What it is: AutoGrid is a software startup that helps companies manage a growing constellation of distributed energy resources (DERs), such as home batteries and solar panels, strewn across the grid. AutoGrid works with a range of different companies, from Google Nest to Tesla, and recently partnered with the rooftop solar giant Sunrun.

Total funding: \$73.8 million

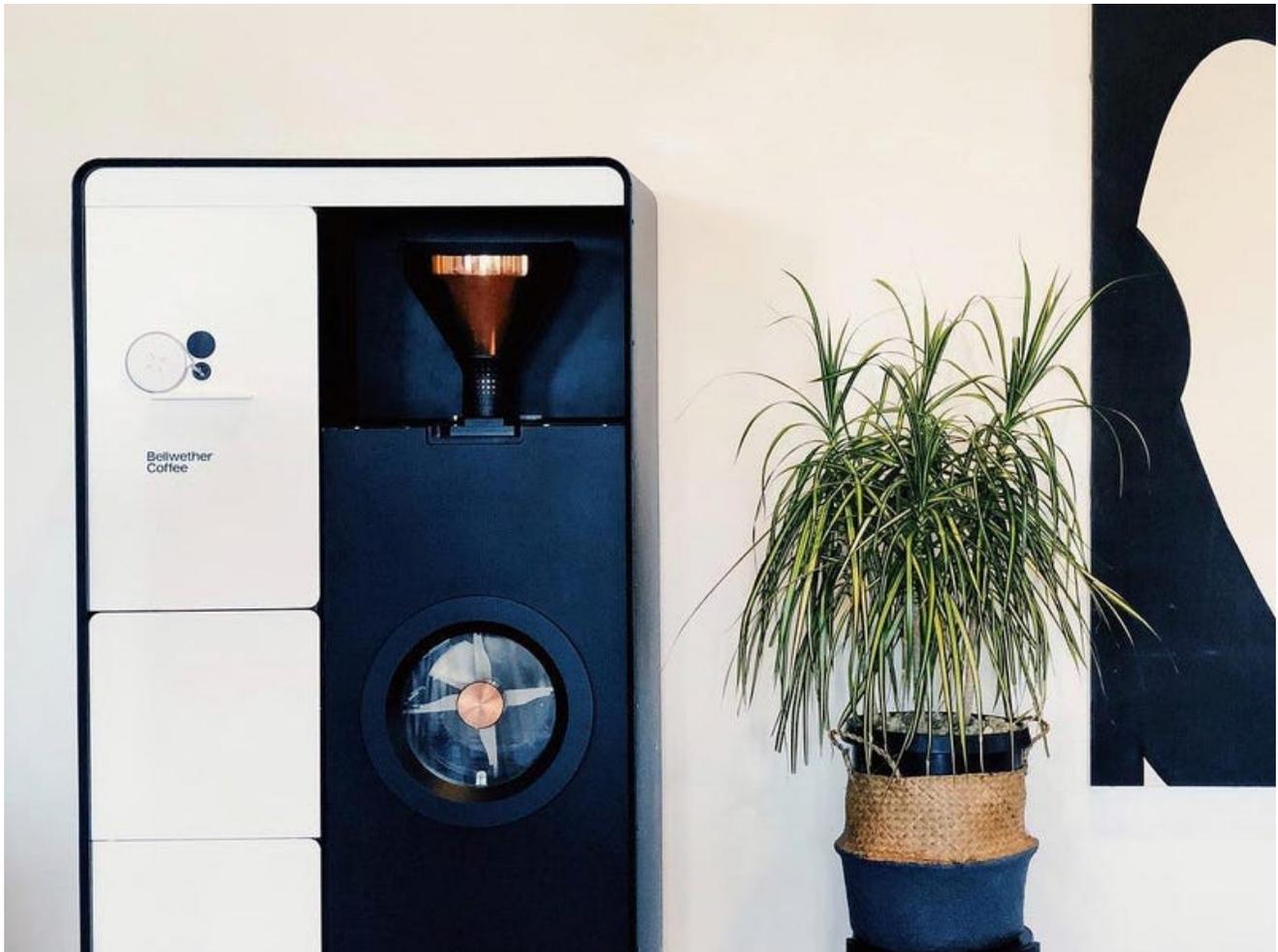
Notable investors: Schneider Electric, National Grid Partners, Shell Ventures, Orsted, E.ON, Total Carbon Neutrality Ventures, and Energy Impact Partners

Picked by: Grant Allen, general partner at Schneider Electric Ventures

"Companies like Sunrun, which is a customer of AutoGrid's, are now saying this is absolutely critical software. We're at that turning point where the sheer number and complexity of the DER assets is at a point where it's incumbent upon these new energy players to turn to a partner like AutoGrid and deploy their software to manage all these things."

— Grant Allen of Schneider Electric (Schneider Electric is an investor)

Bellwether Coffee



Bellwether Coffee's electric roaster
Bellwether Coffee

Year founded: 2013

What it is: Bellwether Coffee developed fridge-sized electric coffee roasters that don't produce emissions. The company says they also provide a more consistent roast.

Total funding: \$56 million

Notable investors: DBL Partners and Congruent Ventures

Picked by: Nancy Pfund, founder and managing partner of DBL Partners

"The roasting of coffee and the transportation of coffee make it one of the most carbon-intensive beverages out there. So it's kind of a win-win. People are obsessed with coffee — they want to make sure that their coffee tastes good but increasingly that it's more sustainable."

— Nancy Pfund of DBL Partners (DBL is an investor)

Better Place Forests



Sandy Gibson, cofounder and CEO of Better Place Forests
Better Place Forests

Year founded: 2015

What it is: Better Place Forests is taking on the end-of-life industry, offering customers a more sustainable alternative to a cemetery burial. The startup buys and conserves forested land and designates trees as memorial sites, where ashes are mixed with the soil.

Total funding: \$55 million

Notable investors: DBL Partners, Silicon Valley Bank, and True Ventures

Picked by: Nancy Pfund, founder and managing partner of DBL Partners

"Instead of offering families that are grieving a very inadequate solution of embalming, caskets, and graveyards, this company buys up beautiful and inspirational private forests. This is looking at the trend away from embalming and towards cremation — which is a huge trend."

— Nancy Pfund of DBL Partners (DBL is an investor)

Bowery Farming



Bowery Farming

Year founded: 2015

What it is: Bowery Farming is an ag-tech startup specializing in indoor vertical farming of leafy greens and herbs. The company's produce is sold online and in retailers in the northeast including Giant Food, Walmart, and Whole Foods.

Total funding: More than \$172.5 million

Notable investors: GV (formerly Google Ventures), Temasek, BoxGroup, General Catalyst, GGV Capital, KKR cofounder Henry Kravis, Amazon exec Jeff Wilke, Uber CEO Dara Khosrowshahi, restauranter José Andres, and David Barber of Blue Hill

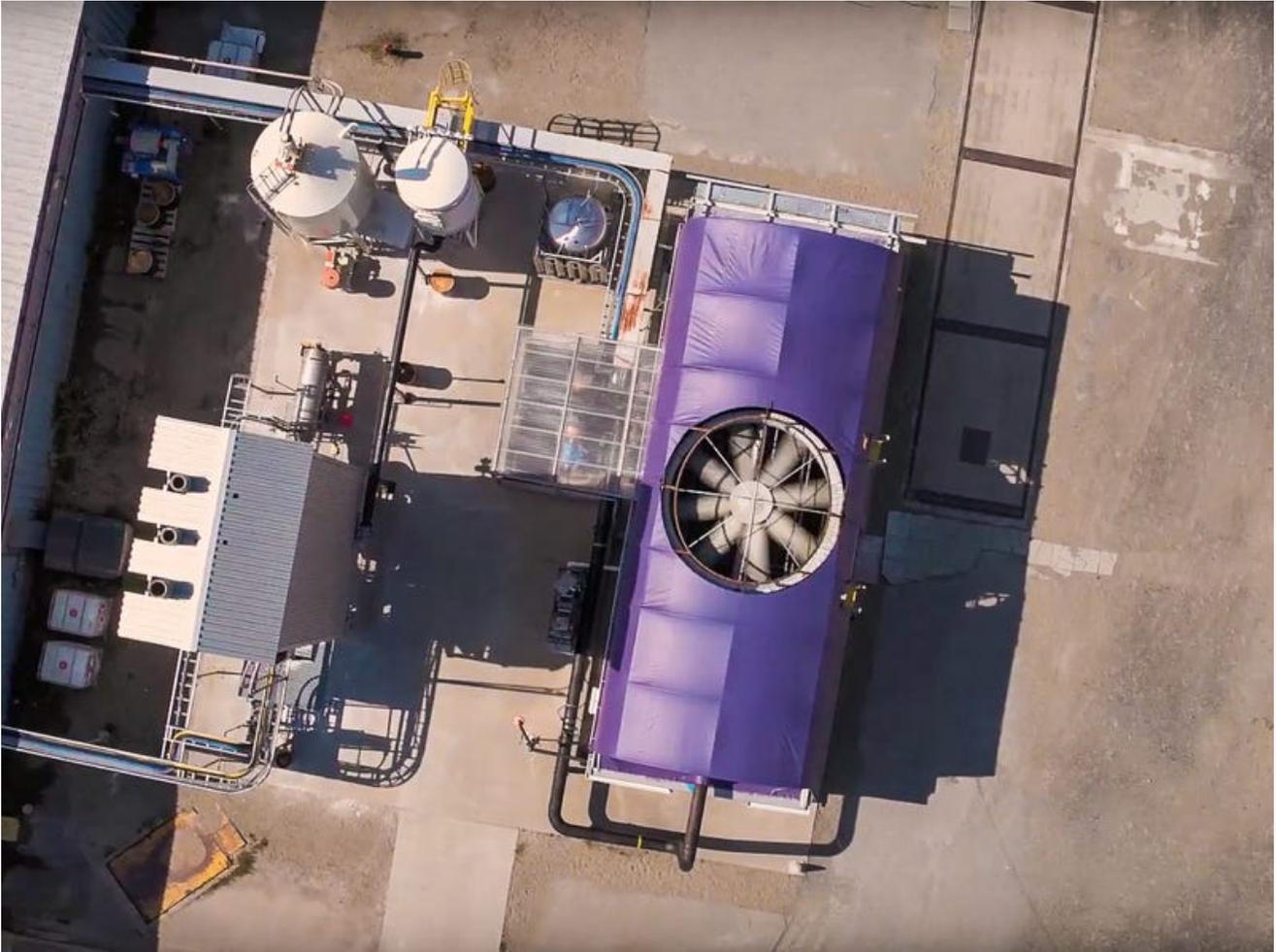
Picked by: Adam Rothenberg, partner at BoxGroup

"As we think about food security and how we feed growing populations, we're just going to run out of arable land. You have to produce food closer to centers of demand. And so they're going to be an important piece of that. Indoor farming is really important and Bowery is just a super exciting company."

— Adam Rothenberg of BoxGroup (BoxGroup is an investor)

ADVERTISING

Carbon Engineering



Carbon Engineering's pilot plant that captures carbon dioxide out of the air
Carbon Engineering

Year founded: 2009

What it is: Carbon Engineering is among the buzziest startups that are developing a technology to pull carbon dioxide, a greenhouse gas, out of ambient air. The gas can then be turned into other products such as fuel.

Total funding: About \$95 million (including \$11 million in government funding)

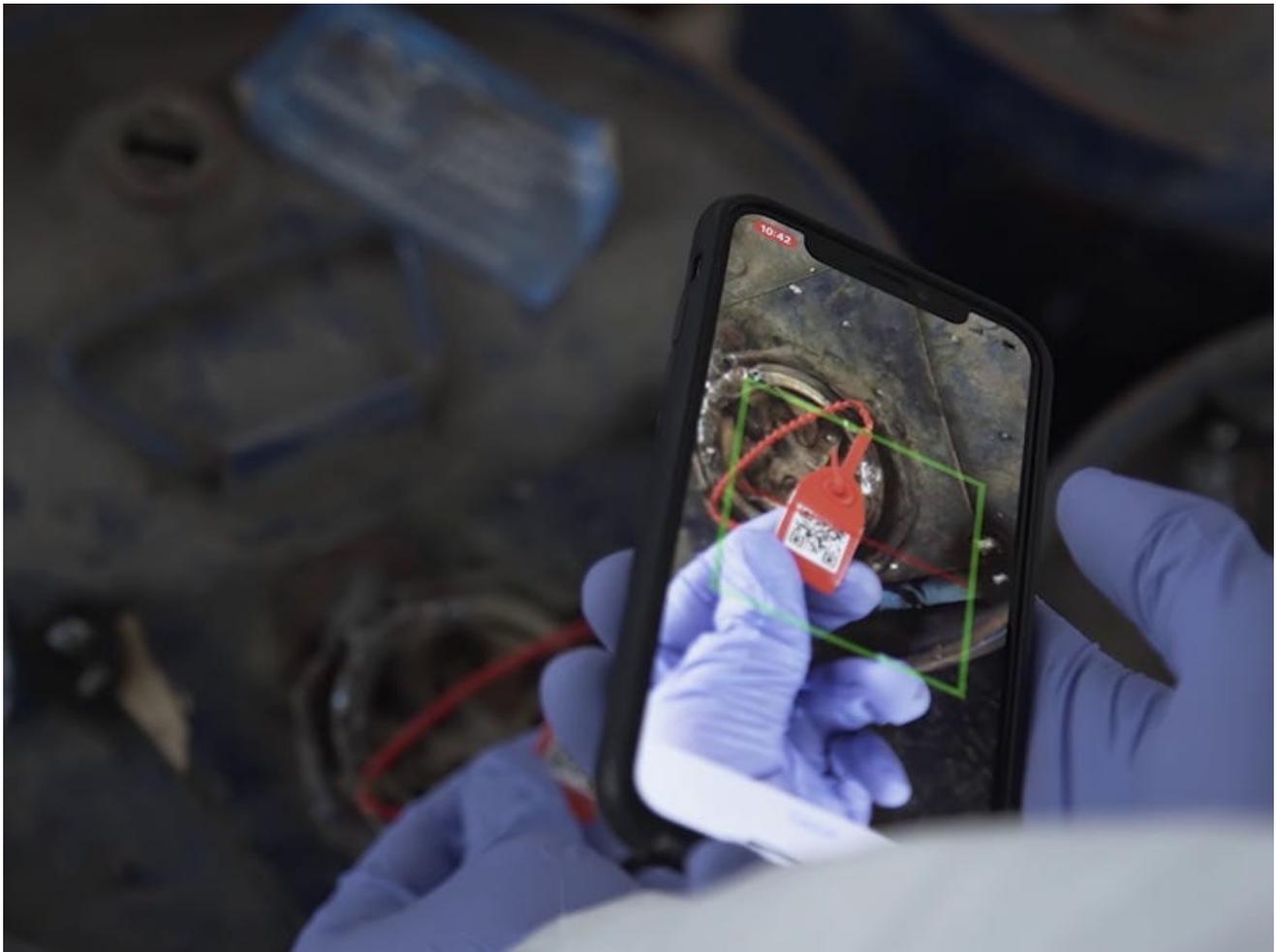
Notable investors: Bill Gates, BHP, Chevron Technology Ventures, and Oxy Low Carbon Ventures

Picked by: Wal van Lierop, executive chairman and founding partner of Chrysalix Venture Capital

"I'm looking at companies that could have a material impact on the future of this world. [Carbon Engineering] has a material impact on climate change."

— Wal van Lierop of Chrysalix

Circular



Circular's mobile app scans a batch of the rare material tantalum, which is used to make electronics and other products

Circular

Year founded: 2017

What it is: Circular develops a platform that tracks the supply chain of industrial materials.

Total funding: More than \$6 million (the company declined to provide an exact figure)

Notable investors: Volvo Cars and oil giant Total

Picked by: Girish Nadkarni, CEO of Total Carbon Neutrality Ventures

Ensemble Energy



FILE PHOTO: Wind turbines generate power at the Loraine Windpark Project in Loraine Reuters

Year founded: 2017

What it is: Ensemble Energy sells software to help wind-energy operators predict failures and optimize the performance of their turbines.

Total funding: The company did not respond to a request for information.

Notable investors: Plug and Play Tech Center and Powerhouse Ventures

Picked by: Milad Malek, venture associate for energy at Plug and Play Tech Center

Enview



Enview's team
Enview

Year founded: 2015

What it is: Enview provides software, grounded in AI, to map and analyze three-dimensional data including energy infrastructure.

Total funding: \$20.5 million

Notable investors: Statkraft Ventures, Crosslink Capital, and Promus Ventures

Picked by: Anders Prietz, head of Statkraft Ventures

ADVERTISING

Farmers Business Network



Farmers Business Network

Year founded: 2014

What it is: Farmers Business Network is an ag-tech startup that developed a data platform for farmers. Among its services is a tool to help farmers measure the carbon footprint of grain.

Total funding: \$571 million, according to Crunchbase. (The company declined to comment on funding.)

Notable investors: DBL Partners, Temasek, Kleiner Perkins, GV (formerly Google Ventures), as well as funds and accounts managed by BlackRock

Picked by: Nancy Pfund, founder and managing partner of DBL Partners

"I think 2021 will be the year of ag sustainability"

— Nancy Pfund of DBL Partners (DBL is an investor)

Fervo Energy



Fervo Energy CEO and cofounder, Tim Latimer
Fervo Energy

Year founded: 2017

What it is: Fervo Energy is a geothermal startup that's focused on turning heat within the Earth's crust into clean energy. Tim Latimer, the company's CEO and cofounder, was one of Business Insider's [rising stars of clean energy](#).

Total funding: \$11 million

Notable investors: Breakthrough Energy Ventures, 3X5 Partners, and Congruent Ventures

Form Energy



The founders of Form Energy. From left, Mateo Jaramillo, Yet-Ming Chiang, Ted Wiley, William Woodford, Marco Ferrara.

Form Energy

Year founded: 2017

What it is: A buzzy startup run by a Tesla veteran, Form Energy is developing long-duration batteries for storing energy on the grid.

Total funding: \$123 million

Notable investors: Breakthrough Energy Ventures, Prelude Ventures, and oil giant Eni, NGP Energy Technology Partners III, Energy Impact Partners, Temasek, The Engine, Capricorn, and Macquarie

Form Energy: Emily Reichert, CEO of Greentown Labs; Josh Posamentier, cofounder and managing partner at Congruent Ventures; and Gabriel Kra, managing director at Prelude Ventures

"That's really exciting what they're doing. The grid needs tech like that."

General Fusion



General Fusion's plasma injector
General Fusion

Year founded: 2002

What it is: General Fusion is among a handful of startups trying to commercialize fusion energy. It requires building elaborate contraptions to produce the fusion reaction, like the one shown above.

Total funding: More than \$200 million

Notable investors: Chrysalix Venture Capital, Bezos Expeditions, and Braemar Energy Ventures

Picked by: Wal van Lierop, executive chairman and founding partner of Chrysalix

"When will see fusion energy on the grid? Early 2030s, for the first commercial plant."

— Wal van Lierop of Chrysalix (Chrysalix is an investor)

ADVERTISING

Glydways



Glydways

Year founded: 2016

What it is: Glydways is developing a public transportation system in which commuters travel in electric pod cars on a fixed track.

Total funding: Between \$30 million and \$60 million

Notable investors: Khosla Ventures and Passport Capital

Picked by: Vinod Khosla, founder of Khosla Ventures

"Cities are clogged up with cars and parking and we could replace all of that. We have a startup called Glydways doing public transit that I believe could replace cars."

— Vinod Khosla of Khosla Ventures (Khosla Ventures is an investor)

HYZON Motors



Rendering of a Hyzon Motors truck
Hyzon Motors

Year founded: 2020 (its parent company, Horizon Fuel Cell Technologies, was founded in 2003)

What it is: A spinoff of the Singapore firm Horizon Fuel Cell Technologies, HYZON Motors develops commercial vehicles powered by hydrogen fuel cells.

Total funding: The company declined to share its total investment.

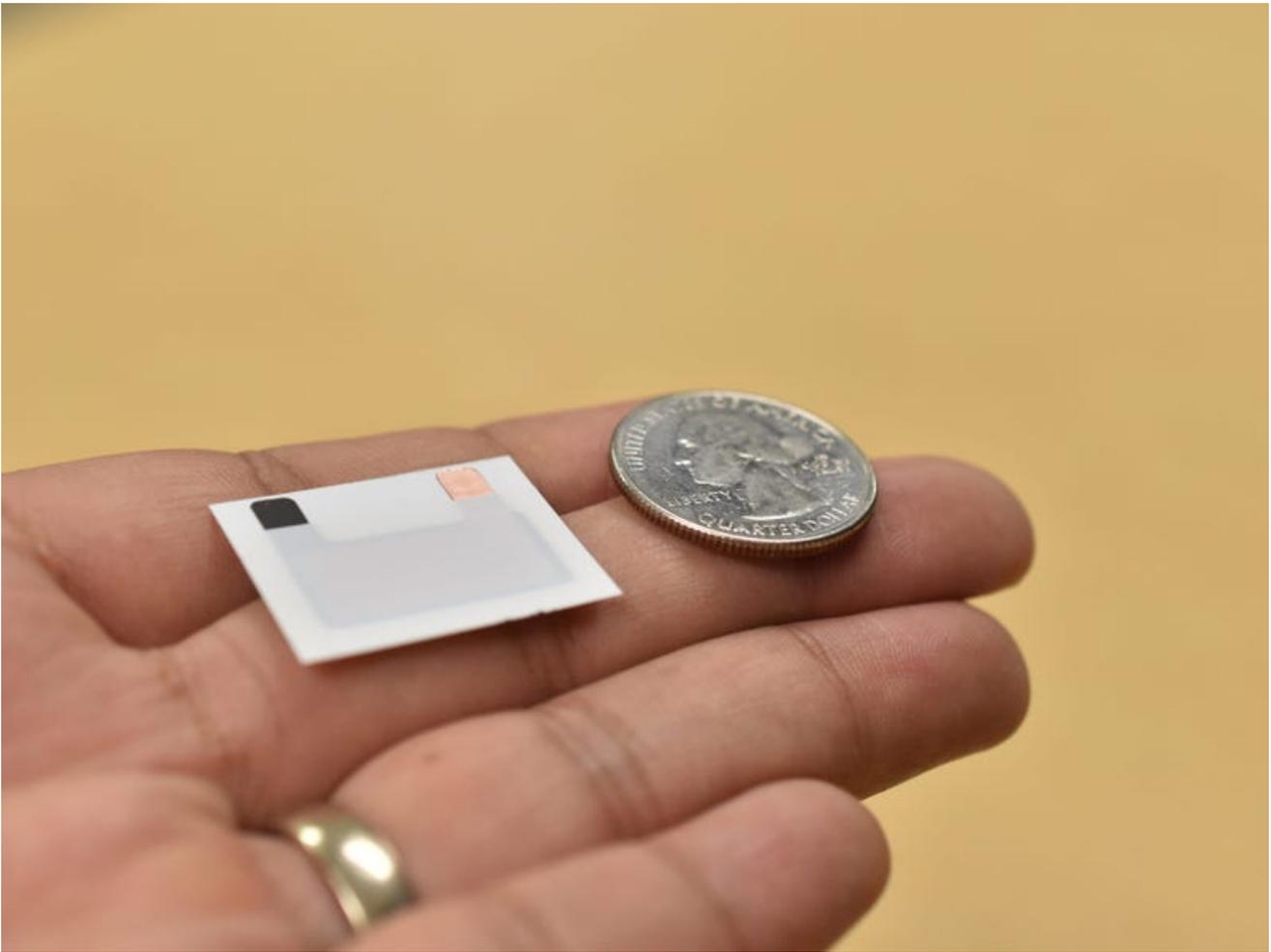
Notable investors: French oil giant Total

Picked by: Girish Nadkarni, CEO of Total Carbon Neutrality Ventures

HYZON is "reflecting the future of mobility and the advent of the hydrogen economy"

— Girish Nadkarni of Total (Total is an investor)

Imprint Energy



One of Imprint Energy's super thin batteries
Imprint Energy

Year founded: 2010

What it is: Imprint Energy makes super thin and flexible rechargeable batteries for sensors and wearable devices. Christine Ho, the company's cofounder and CEO, was one of Business Insider's [rising stars of clean energy](#).

Total funding: \$18 million. "We're on track to sign a couple more significant deals in the logistics space where our battery can make a huge difference reducing waste," Ho said.

Notable investors: GVIP Ventures, Phoenix Venture Partners, and SCGP

Picked by: Emily Kirsch, founder and CEO of Powerhouse

"They're poised to scale"

— Emily Kirsch of Powerhouse

Kula Bio



Kula Bio

Year founded: 2018

What it is: Kula Bio developed a natural, microbe-based fertilizer that pulls nitrogen from the air into the soil, where the plants can suck it up.

Total funding: \$15 million

Notable investors: BoxGroup, Pillar VC, and Collaborative Ventures

Picked by: Adam Rothenberg, partner at BoxGroup

ADVERTISING

LanzaTech



LanzaTech's commercial plant in China
LanzaTech

Year founded: 2005

What it is: LanzaTech developed a technology to turn waste emissions, such as from steelmaking, into fuels and chemicals. The company recently spun out LanzaJet, which produces sustainable jet fuel.

Total funding: About \$400 million

Notable investors: Khosla Ventures, BASF, Suncor Energy, Petronas, Indian Oil, and Mitsui

Picked by: Vinod Khosla, founder of Khosla Ventures

"Electric cars and electric trucks powered by renewable electricity are likely solutions, but air transportation by passenger jets needs a liquid fuel compatible with today's jet fleet. [LanzaJet] is building its first pilot plant to produce 100% renewable jet biofuel. The technology is likely to be cost-competitive at scale with today's jet fuel prices. We need only one technology to transform air travel."

— [Vinod Khosla](#) of Khosla Ventures (Khosla Ventures is an investor)

Meati Foods

Year founded: 2019

What it is: Meati Foods is developing a fungi-based alternative to chicken and other meats.

Total funding: About \$40 million

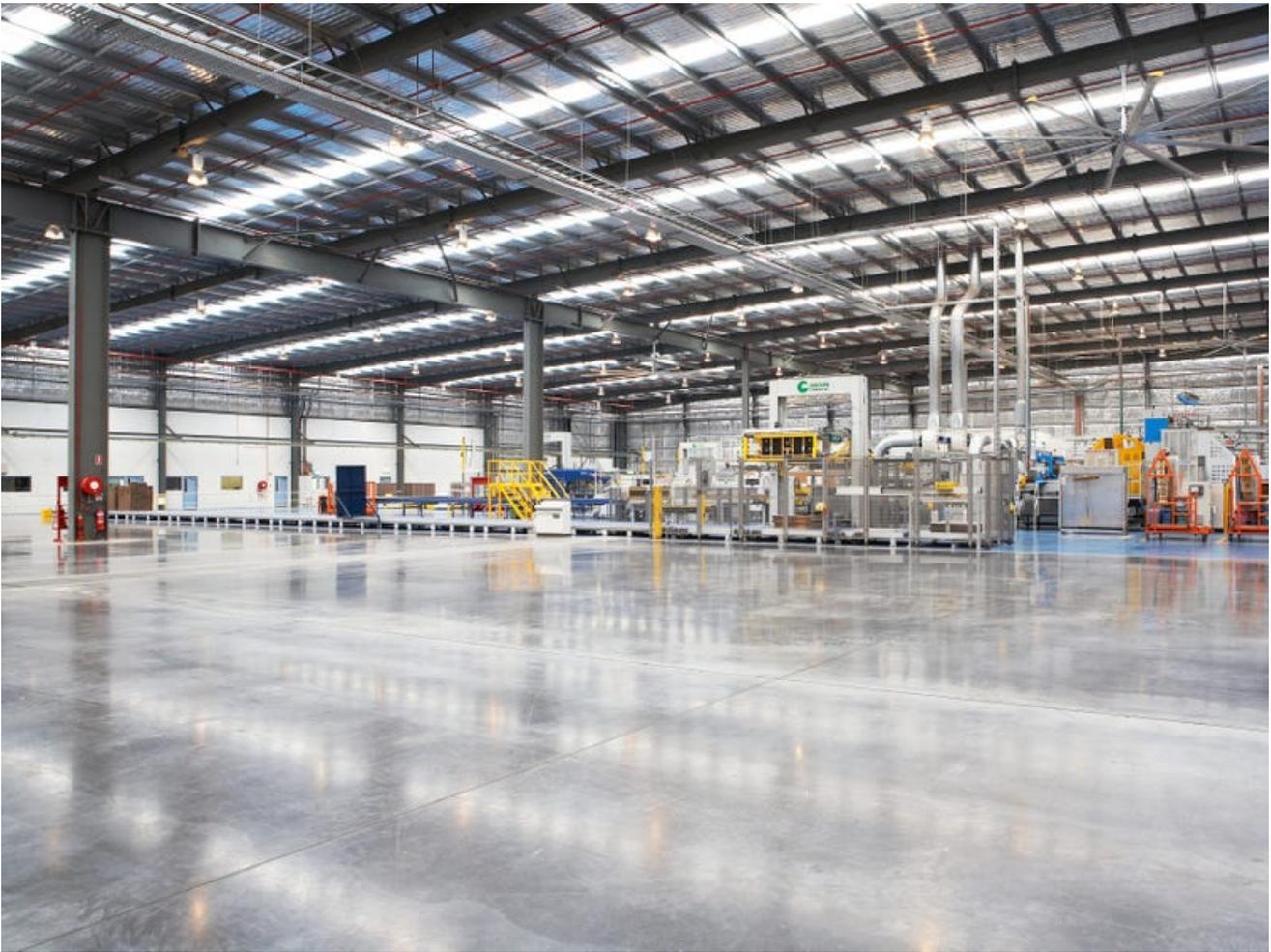
Notable investors: Congruent Ventures, Prelude Ventures, Acre Venture Partners, Tao Capital, and Sweetgreen cofounders Nicolas Jammet and Jonathan Neman

Picked by: Josh Posamentier, cofounder and managing partner at Congruent Ventures

"It's a contrast to what Impossible and Beyond are doing, which is basically incredibly complex food engineering. Meati can do the same thing with a super clean ingredient list in a product that tastes better."

— Josh Posamentier of Congruent Ventures (Congruent Ventures is an investor)

Metron



Getty Images

Year founded: 2013

What it is: Paris-based Metron develops a data platform rooted in AI that helps companies cut energy consumption in their industrial operations.

Total funding: \$26.6 million, according to Crunchbase

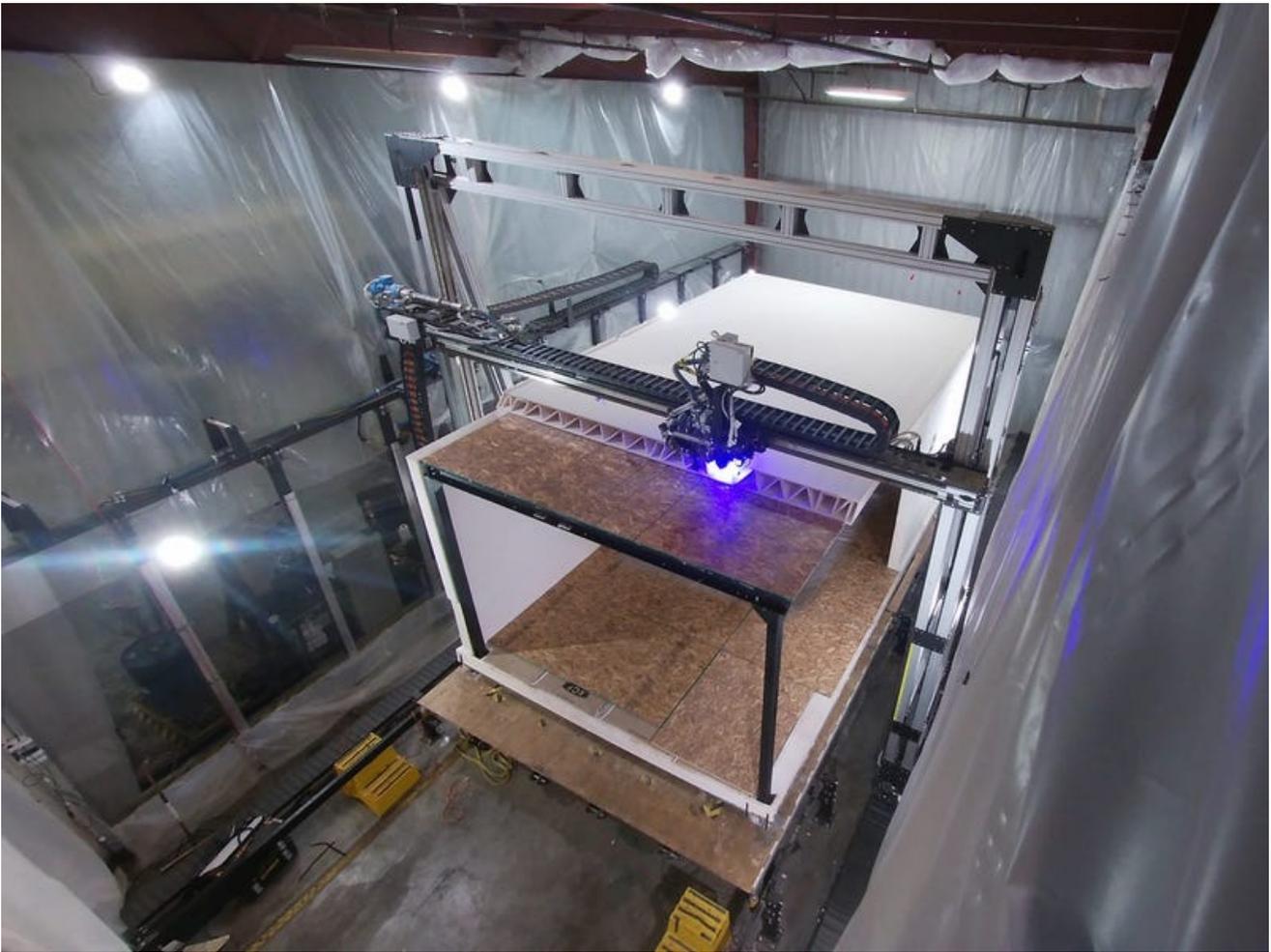
Notable investors: Statkraft Ventures and BNB Paribas

Picked by: Anders Prietz, head of Statkraft Ventures

"We greatly believe in that company"

— Anders Prietz of Statkraft Ventures (Statkraft is an investor)

Mighty Buildings



A 3D-printed building shell made by Mighty Buildings
Mighty Buildings

Year founded: 2017 (the company was in stealth mode before this summer)

What it is: Mighty Buildings is a construction company that manufactures modular homes using 3-D printing. "Our 3D-printing technology allows us to produce modular houses and building components much faster than traditional construction," the company says.

Total funding: \$30 million

Notable investors: Khosla Ventures and Y Combinator

Picked by: Vinod Khosla, founder of Khosla Ventures

ADVERTISING

Mori



Getty Images

Year founded: 2016

What it is: Formerly known as Cambridge Crops, Mori developed a protective coating for produce and meat, derived from a silk protein, that slows the spoiling process. It can make food last up to twice as long, the company says.

Total funding: \$16 million, according to Crunchbase

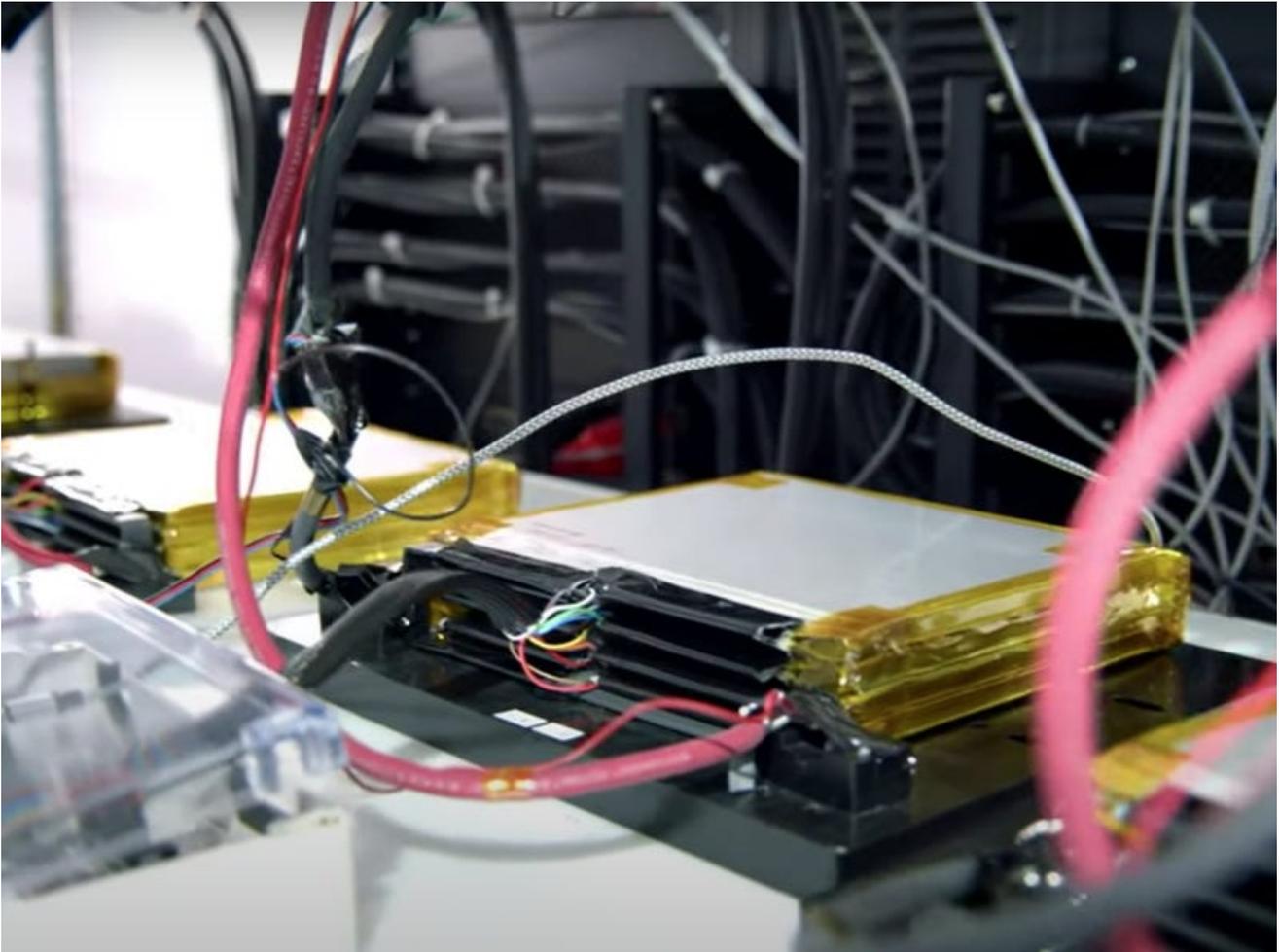
Notable investors: Prelude Ventures, Closed Loop Partners, Acre Venture Partners, and The Engine

Picked by: Emily Reichert, CEO of Greentown Labs, and Adam Rothenberg, partner at BoxGroup

"They're really trying to address the food-waste issue, which of course is a big part of carbon emissions. That company is really off and running."

— Emily Reichert of Greentown Labs

Natron Energy



Natron Energy's battery
Natron Energy

Year founded: 2012

What it is: Stanford spinout Natron Energy is among a raft of startups racing to develop fast-charging and long-lasting batteries. The company uses a unique battery chemistry that includes a pigment called Prussian blue.

Total funding: \$73 million (not including grant funding)

Notable investors: Chevron Technology Ventures, Khosla Ventures, and Prelude Ventures

Opus 12



Founders of Opus 12. From left to right, Kendra Kuhl, Nicholas Flanders, and Etosha Cave.
Opus 12

Year founded: 2015

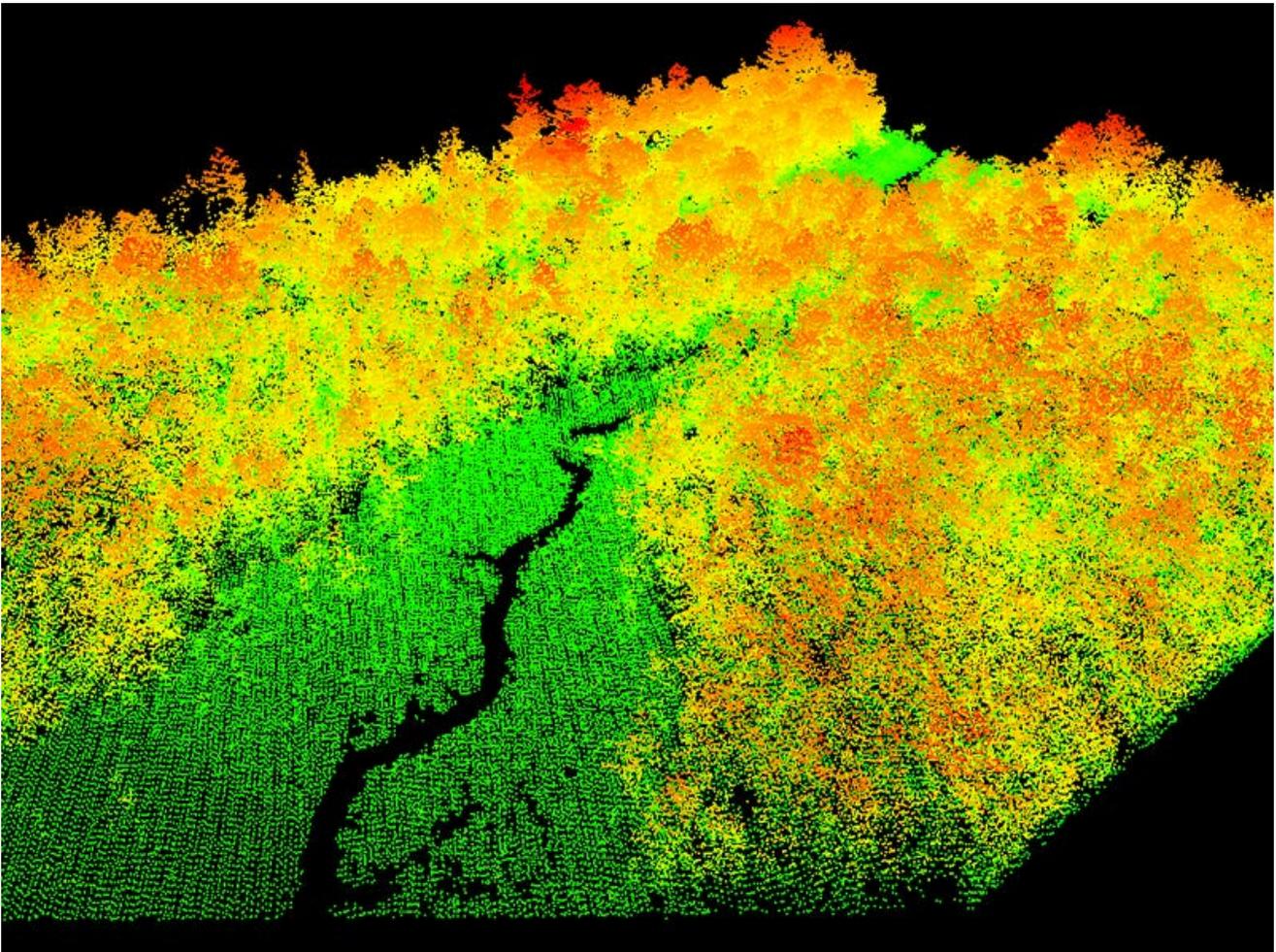
What it is: Opus 12 is developing a technology to turn carbon emissions into chemicals and fuels. Etosha Cave, the company's cofounder, was one of Business Insider's [rising stars of clean energy](#).

Total funding: The company declined to share its total investment on the record (available public numbers were not accurate, the company said).

Notable investors: Breakout Ventures; Shell's incubator, GameChanger; and Techstars

Picked by: Milad Malek, venture associate for energy at Plug and Play Tech Center

Pachama



Pachama uses satellite imagery to map forests.

Pachama

Year founded: 2018

What it is: Pachama sells carbon credits, which represent the carbon dioxide that trees remove from the air. Forests that are protected or restored can generate credits, and companies can buy them to offset their own emissions. [Read more about the company here.](#)

Total funding: \$9.5 million

Notable investors: Breakthrough Energy Ventures, Amazon, Serena Williams, and Y Combinator

Picked by: Milad Malek, venture associate for energy at Plug and Play Tech Center, and Nancy Pfund, founder and managing partner of DBL Partners

"They've always gotten good feedback and interaction through our network"

— Milad Malek of Plug and Play Tech Center

ADVERTISING

Pearl Street Technologies



A view of power lines during a Pacific Gas and Electric (PG&E) public safety power shutoff on November 20, 2019 in Santa Rosa, California. PG&E has cut power to over 450,000 residents throughout Northern California as extremely windy and dry conditions are increasing the risk of catastrophic wildfires.

Justin Sullivan/Getty Images

Year founded: 2018

What it is: Pearl Street Technologies is a young smart-grid startup that developed software for transmission planning.

Total funding: The company declined to share its total investment.

Notable investors: Powerhouse Ventures

Picked by: Emily Kirsch, founder and CEO of Powerhouse

"In the long term, Pearl Street Technologies is positioned to be *the* cloud platform for the power sector that unifies and manages the grid. Basically, they're digitizing the grid, which is long overdue and absolutely necessary."

— Emily Kirsch of Powerhouse

Pivot Bio



Pivot Bio's corn fertilizer

Pivot Bio

Year founded: 2011

What it is: Pivot Bio is developing a microbe-based fertilizer that it says can increase crop yield. "The technology will also aid in decreasing greenhouse gas emissions, water pollution,

and global energy use related to the \$65 billion global synthetic nitrogen fertilizer market," the company says.

Total funding: \$186 million

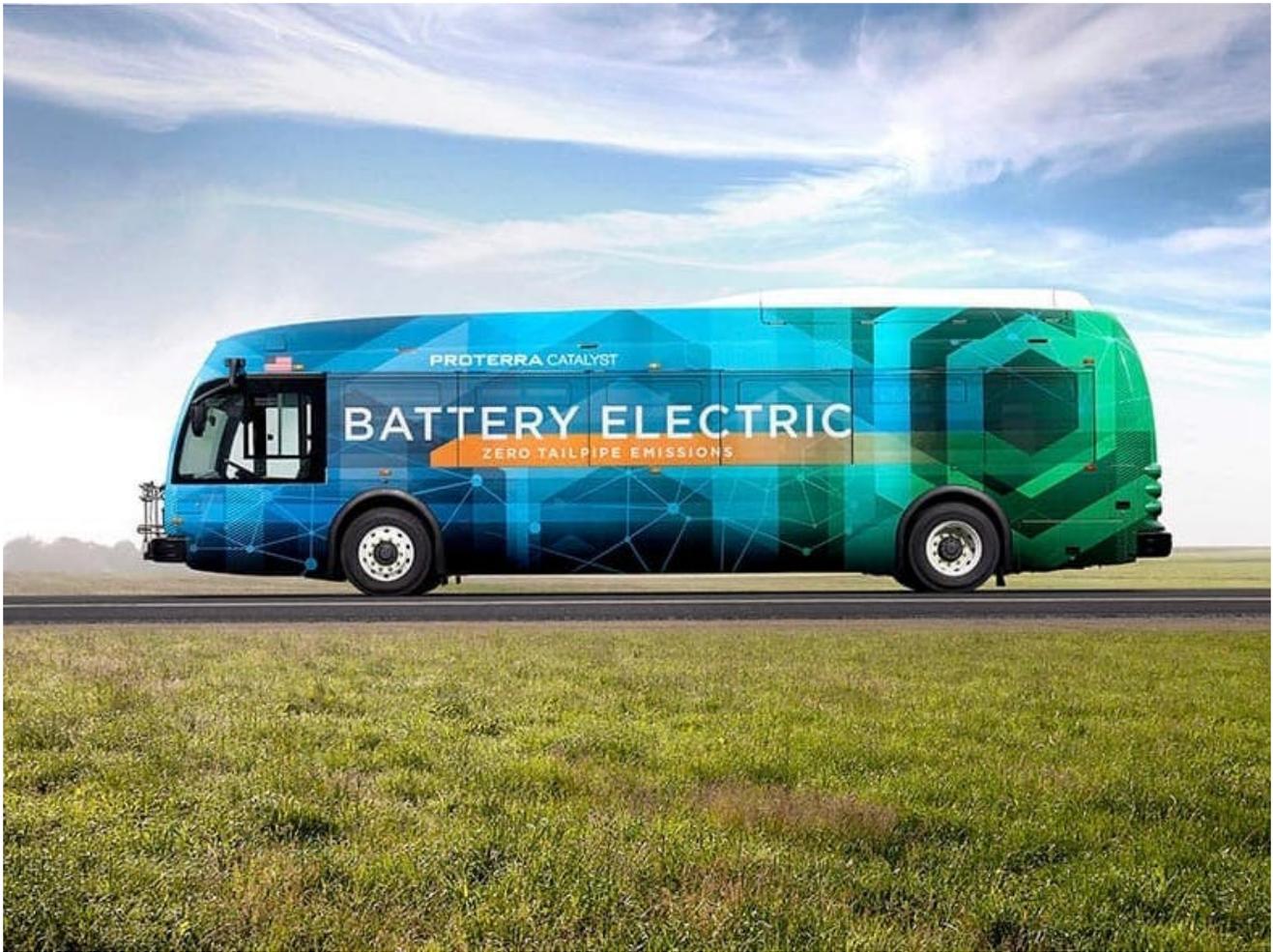
Notable investors: Breakthrough Energy Ventures, Prelude Ventures, and Temasek

Picked by: Gabriel Kra, managing director at Prelude Ventures

"It's having phenomenal success and I think it will continue to have great success. Things that we think are both value-creating and can be huge companies and really impactful companies are companies that allow you to make more output with the same or fewer inputs."

— Gabriel Kra of Prelude Ventures

Proterra



Proterra's 35-foot Catalyst Bus
Proterra

Year founded: 2004

What it is: Proterra designs and manufactures electric buses. The company also sells charging infrastructure for large commercial fleets.

Total funding: More than \$500 million

Notable investors: Daimler, BMW i Ventures, and G2VP

Picked by: Brook Porter, partner and cofounder at G2VP

"Their moment is upon them. 2021 will be the year of commercial-vehicle electrification. It's now just cheaper to electrify a bus or a school bus or a delivery truck than to drive one with an internal combustion engine."

— Brook Porter of G2VP (G2VP is an investor)

Rad Power Bikes



Rad Power Bikes founder and CEO Mike Radenbaugh (right) and cofounder Ty Collins (left)
Rad Power Bikes

Year founded: 2007 (the startup relaunched in 2015 as a direct-to-consumer company)

What it is: Rad Power Bikes is an e-bike startup, and the largest e-bike brand in North America, according to the company.

Total funding: \$25.3 million, not including an undisclosed funding round and an angel investment

Notable investors: Vulcan Capital and Durable Capital Partners

Picked by: Brook Porter, partner and cofounder at G2VP

"I think they've struck a really interesting balance between price, performance, and value — they're cheap, but they're good bikes."

Raptor Maps



A utility-scale solar field
Raptor Maps

Year founded: 2015

What it is: [Raptor Maps](#) remotely inspects and monitors large solar arrays using drones and software. Its founders, Nikhil Vadhavkar and Eddie Obropta, were two of Business Insider's rising stars of clean energy.

Total funding: \$7 million

Notable investors: Congruent Ventures, Powerhouse Ventures, and Y Combinator

Picked by: Emily Reichert, CEO of Greentown Labs

"Those guys will continue to take off and accelerate"

— Emily Reichert of Greentown Labs (Raptor Maps is a part of Greentown Labs)

Recurrent



Recurrent's CEO and cofounder, Scott Case, (right) with Dave Griffin, the owner of Island E Car, one of Recurrent's first customers
Recurrent

Year founded: 2020

What it is: Recurrent is an early-stage startup that provides vehicle reports for used electric cars that include range projections and battery health.

Total funding: \$3.5 million

Notable investors: Prelude Ventures and Powerhouse Ventures

Picked by: Emily Kirsch, founder and CEO of Powerhouse

"When you buy an electric car, the most important thing is not the odometer, it's the battery, but most dealers and buyers have no idea how to assess battery health. Recurrent is enabling the used EV market to have the data that it needs so that it can scale."

— Emily Kirsch of Powerhouse (Powerhouse is an investor)

Redwood Materials



Redwood Materials' high-temperature converter, which it uses in the recycling process for certain kinds of batteries

Redwood Materials

Year founded: 2017

What it is: Founded by Tesla cofounder and former Chief Technical Officer JB Straubel, Redwood Materials recycles batteries for the electric-vehicle industry.

Total funding: \$40 million

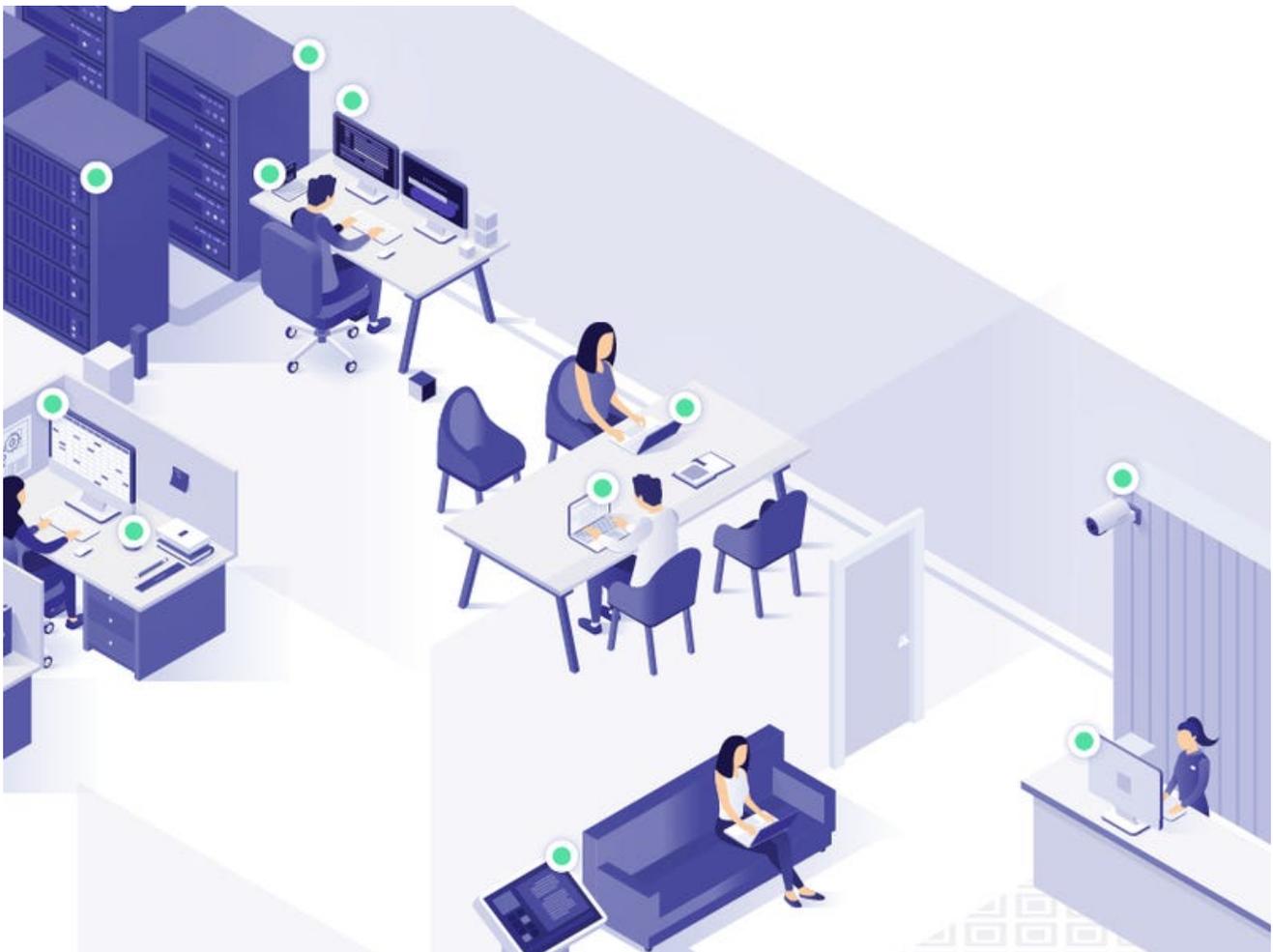
Notable investors: Breakthrough Energy Ventures, Amazon, and Capricorn Investment Group

Picked by: Gabriel Kra, managing director at Prelude Ventures

"What JB Straubel is doing at Redwood Materials is super interesting, and that's a company to watch for sure"

— Gabriel Kra of Prelude Ventures

Sapient Industries



Sapient Industries

Year founded: Around 2015

What it is: Sapient Industries is a smart-building startup that deploys intelligent electrical plugs throughout a building to gather data. Companies can use that data to lower their energy usage and find other ways to use their office space more efficiently.

Total funding: \$4 million, according to Crunchbase. (The company said it's currently fundraising.)

Notable investors: Plug and Play, Urban Us, and Tech Square Venture

Picked by: Milad Malek, venture associate for energy at Plug and Play Tech Center

"They're hitting their stride. They are initiating really large deployments with some of our partners."

— Milad Malek of Plug and Play Tech Center (Plug and Play is an investor)

SilviaTerra



Year founded: 2010

What it is: A Pachama competitor, SilviaTerra uses remote-sensing tools like satellites and field data to measure forests in the US and operates a marketplace for carbon credits.

Total funding: \$4.4 million, according to an [SEC filing](#)

Notable investors: The company said it will be announcing its investors in January.

Picked by: Nancy Pfund, founder and managing partner of DBL Partners

Sunfolding



Sunfolding's solar tracker technology

Sunfolding

Year founded: 2012

What it is: The startup Sunfolding sells a unique, motor-free tracking technology for solar

panels that relies on compressed air. Tracking technology allows solar panels to follow the sun throughout the day and absorb more energy. Leila Madrone, the company's founder, was one of Business Insider's rising stars of clean energy.

Total funding: \$64 million (including \$8 million in non-dilutive funding)

Notable investors: Macquarie, G2VP, Y Combinator, and City Light Capital

Picked by: Emily Kirsch, founder and CEO of Powerhouse

"They're just starting to get incredible contracts with some of the biggest developers in the world"

— Emily Kirsch of Powerhouse

Svante



Svante's pilot plant
Svante

Year founded: 2007

What it is: Svante developed a technology to capture carbon emissions produced directly by various industries including steelmaking. In February the company announced that it's partnering with Chevron to launch a study to see if the technology could be used in the oil giant's operations.

Total funding: \$75 million

Notable investors: Chevron Technology Ventures, Husky Energy, Chrysalix, and Mitsui, according to Crunchbase

Picked by: Wal van Lierop, executive chairman and founding partner of Chrysalix Venture Capital

Terramera



Terramera CEO and founder, Karn Manhas (right) with Annett Rozek, the company's chief science officer (left) and Canadian Innovation, Science, and Industry Minister, Navdeep Bains (center)

Terramera

Year founded: 2010

What it is: Terramera sells natural, plant-based pesticides. The company says it's "committed to reducing the global synthetic pesticide load 80% by 2030."

Total funding: \$82 million

Notable investors: Microsoft, IKEA, ArcTern Ventures, and S2G Ventures

Picked by: Wal van Lierop, executive chairman and founding partner of Chrysalix Venture Capital

"Terramera, which is focused on regenerative agriculture, is very, very important. It's making agriculture more sustainable."

— Wal van Lierop of Chrysalix

ADVERTISING

Treau



Treau CEO Vince Romanin
Vince Romanin

Year founded: 2017

What it is: Treau is working on low-cost heating and cooling technologies that produce fewer carbon emissions.

Total funding: \$7 million

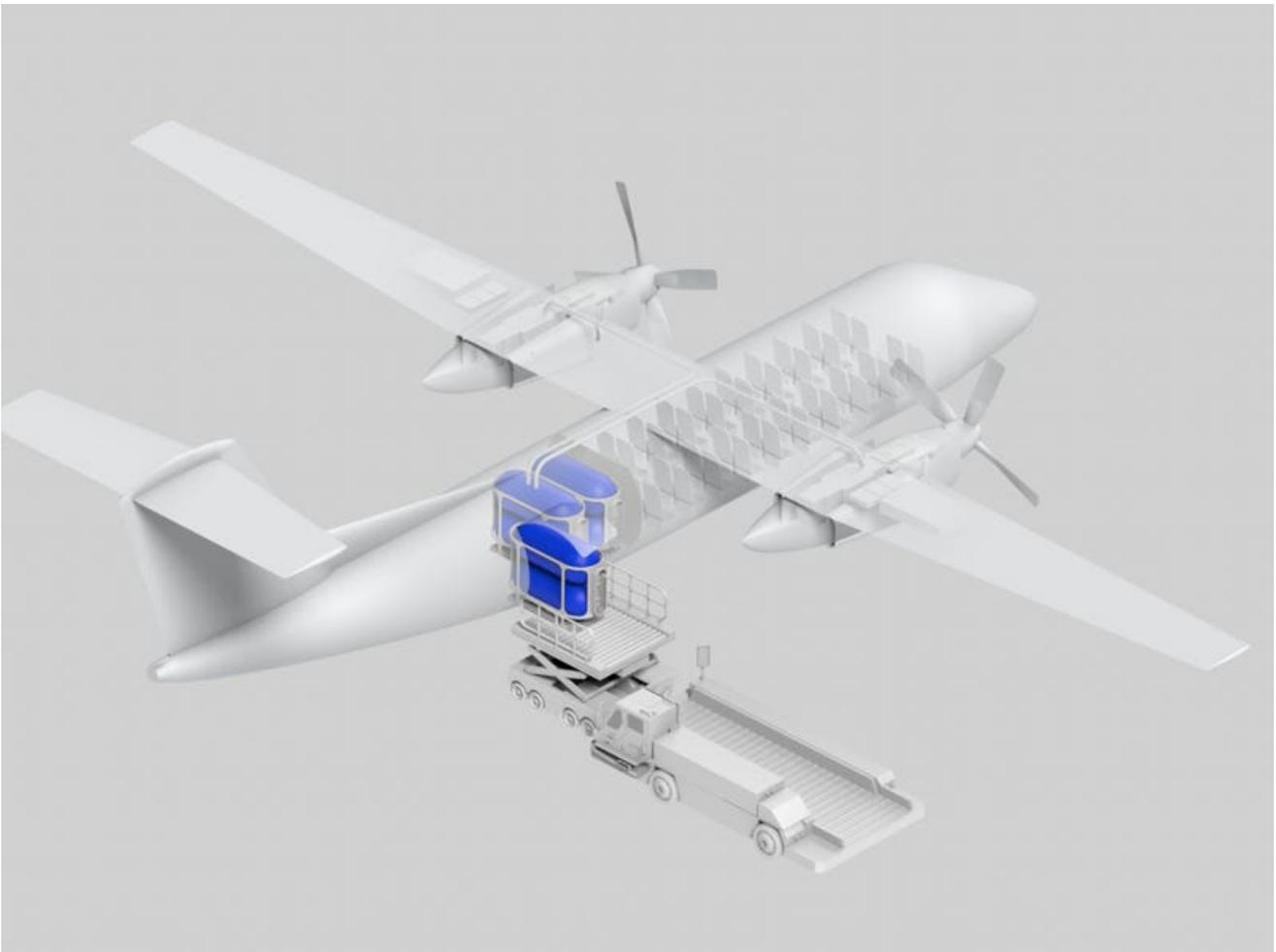
Notable investors: Prime Coalition, Ajax Strategies, Incite Ventures, and URBAN-X

Picked by: Brook Porter, partner and cofounder at G2VP

"There's a massive amount of electricity consumed globally from window air-conditioning units around the world, and it's just a massive problem that needs to be solved. They're positioned to solve it in an interesting way."

— Brook Porter of G2VP

Universal Hydrogen



An example of Universal Hydrogen's hydrogen tech inside a plane
Universal Hydrogen

Year founded: 2020

What it is: Cofounded by an Airbus alum, Universal Hydrogen is developing hardware to store and distribute hydrogen that will be used to propel fuel-cell-powered aircraft. Working in collaboration with Plug Power, the startup aims to have a hydrogen plane certified to fly by 2024, [Bloomberg reports](#).

Total funding: \$2.5 million

Notable investors: Plug Power and Trucks Venture Capital

Picked by: Josh Posamentier, cofounder and managing partner at Congruent Ventures

"I look at hydrogen like everybody else and try to figure out where it's actually going to be useful since it's going to happen somewhere. I think ammonia production, long-haul aviation, long-haul shipping. There are a few really interesting aircraft companies."

— Josh Posamentier of Congruent Ventures

Volta Charging



Volta charging stations

Volta

Year founded: 2010

What it is: Volta Charging operates "the most utilized" charging network in the US, according to the company. It offers free charging to drivers at stations and makes money by selling ads.

Total funding: Volta declined to share its total investment.

Notable investors: Schneider Electric Ventures, SK E&S (an affiliate of SK), CION Investments, and Energy Impact Partners

Picked by: Grant Allen, general partner at Schneider Electric Ventures

"Historically, it has not been a good business to sell electrons. Volta is taking charging and kind of flipping the script by saying, 'We're going to offer it for free.' The uptake has been phenomenal and there's been a huge amount of positive investor interest in that company. So that I think is one that's really poised to lift off."

— Grant Allen of Schneider Electric (Schneider Electric is an investor)

Voltus



FILE PHOTO: Electricity pylons are seen in London
Reuters

Year founded: 2016

What it is: Voltus developed a technology that strings together sources of energy — such as batteries— that are operated by large commercial and industrial customers. The idea is to save companies money either by lowering their energy bills or by providing them with new revenue from utilities that benefit from reduced demand.

Total funding: \$35.1 million

Notable investors: NGP Energy Technology Partners, Prelude Ventures, and Ajax Strategies

Picked by: Grant Allen, general partner at Schneider Electric Ventures

ADVERTISING

XL Fleet



XL Fleet

Year founded: 2009

What it is: XL Fleet, formerly XL Hybrid, transforms gas-powered fleets of commercial vehicles into hybrids to both save money on gasoline and lower tailpipe emissions.

Total funding: About \$66 million

Notable investors: Constellation Technology Ventures and INGKA Investments

Picked by: Emily Reichert, CEO of Greentown Labs

"That is definitely a company to watch"

— Emily Reichert of Greentown Labs

ZeroAvia



ZeroAvia prototype plane
ZeroAvia

Year founded: 2017

What it is: Founded by Valery Miftakhov, a Google and McKinsey alum, ZeroAvia is developing a hydrogen-powered propulsion system for small aircraft. In September, the company said it completed the world's "first hydrogen-electric passenger plane flight."

Total funding: Undisclosed

Notable investors: Breakthrough Energy Ventures, Amazon Climate Pledge Fund, Horizons Ventures, and Shell Ventures

Picked by: Josh Posamentier, cofounder and managing partner at Congruent Ventures

"Val is a very compelling entrepreneur"

— Josh Posamentier of Congruent Ventures

Note: This slide was updated to remove incorrect funding information provided by the company.