

We fund and support Oregon-grown solutions to global challenges.

Global Impact, One Startup at a Time



AMPERE SCIENTIFIC | Ampere Scientific's Arc Position Sensing (APS) technology can save the specialty metals industry hundreds of millions of dollars in energy costs during production of specialty metals ingots. **Energy Efficiency | Manufacturing**



ARCIMOTO | Arcimoto builds products that catalyze the shift to a sustainable transportation system. With less weight and a lower footprint than the average car, the company's revolutionary new vehicle platform brings affordable, ultra-efficient, pure electric driving to the masses. **Transportation**



CITY OF ROSES DISPOSAL & RECYCLING | City of Roses has obtained its own niche in the recycling marketplace. Their sustainable waste recovery and recycling process meets requirements for U.S. Green Building Council LEED credits. **Waste**





COLUMBIA GREEN | Columbia Green produces engineered vegetative roofs that dynamically manage stormwater runoff. Vegetative roofs are being used in cities around the world, and Columbia Green's specialized products help meet that growing demand. **Green Building | Water & Wastewater**



CSD NANO | CSD Nano specializes in leading-edge nano coatings. The company sells Anti-Reflective Coating (ARC) technology to increase the efficiency of solar modules, and is developing new coatings for architectural windows. **Advanced Materials | Solar**



D.R. JOHNSON WOOD INNOVATIONS | With nearly 50 years of success in manufacturing custom engineered glue laminated beams, D.R. Johnson Lumber is now the first U.S. company to manufacture certified cross-laminated timber (CLT) for structural use. **Green Building**



ECHEMION | eChemion provides chemical coatings for graphitic carbon materials to improve the reliability of redox flow batteries. Their coatings extend the life span of electrode materials, thereby lowering the cost of grid-scale energy storage systems. **Energy Storage**



ECNOW TECH | EcNow Tech manufactures earth-friendly products, such as compostable dinnerware made with bioplastics. The company has expertise in the design of new materials and custom packaging, and is pioneering a variety of new products using filled biopolymers. **Bioproducts**



ECOPRO POLYMERS | Ecopro Polymers manufactures environmentally benign, formaldehyde-free adhesives for use in particleboard manufacturing. Their adhesives are on track to becoming the first formaldehyde-free, bio-based adhesive for that market. **Green Building**



ENERGYRM | EnergyRM provides energy-efficiency metering services and analytics to support the energy-efficiency sector. Their patented “negawatt” meter provides a key enabling technology for cost-effective measurement of energy-efficiency in commercial retrofit applications. **Energy Efficiency**



ENERGY STORAGE SYSTEMS | The ESS advanced flow battery technology uses earth-abundant iron as its energy storage medium. The All-Iron Flow Battery (IFB) is distinguished from other energy storage technologies by its affordability when used in retail, industrial, and utility-scale energy storage.

Energy Storage



eWIND | eWind Solutions is developing an airborne wind energy technology system. The rigid wing operates at a higher altitude than traditional wind turbines, enabling the device to access stronger and more reliable winds. **Wind**



FOCAL TECHNOLOGIES | The Focal system, called Ray, focuses the sun’s energy to kill bacteria and break down complex organic chemicals in water and soils. It has the potential to save lives in remote areas with virtually no ongoing cost of operation.

Agriculture | Water & Wastewater



FORMOLOGY | Formology uses sustainably harvested lumber, recycled wood fiber, and rapidly renewable agricultural byproducts to manufacture beautifully unique architectural materials. All products contain no added urea formaldehyde and are certified low VOC. **Green Building**





HM3 ENERGY | HM3 Energy has developed a process to convert biomass into a clean fuel that can replace coal in many power plants. The unique process makes torrefied biomass briquettes from agricultural residue and forest waste. Use of this fuel can significantly reduce harmful emissions. **Biofuels**



HONEYCOMB | HoneyComb Corporation's Unmanned Aircraft System (UAS) provides aerial imaging solutions for precision agriculture and forestry. The AgDrone system uses visible and spectral imaging to gather valuable data on crop health and resource allocation. **Agriculture**



INDOW | Indow produces specialized thermal window inserts that are simple, affordable, and environmentally responsible. When inserted into a single-pane window, they provide insulation, comfort, and noise reduction at a lower cost than comparable double-pane windows. **Green Building**



IOTAS | IOTAS is the smart home experience designed specifically for renters. By partnering with property developers, IOTAS installs apartments with smart outlets, switches, and sensors before residents move in — so they experience smart home efficiency from day one. **Energy Efficiency**



IT AIRE | IT Aire provides precision cooling for data rooms using significantly less energy than conventional systems. They provide robust and reliable cooling of small to medium-sized data rooms while hitting industry benchmark levels for energy-efficiency. **Energy Efficiency**



KERSTECH VEHICLE SYSTEMS | KersTech's hybrid motors take advantage of frequent start-stop cycles to lower fuel usage or extend the range of batteries. The technology improves gas mileage in start-stop vehicles such as buses and trucks, and extends battery range in electric forklifts. **Transportation**



LOCAL FOOD MARKETPLACE | Local Food Marketplace developed the first white label e-commerce mobile app of its kind for the food hub market. The app connects locavores with local food and farmers while letting customers know how and where their food is grown. **Agriculture | Cleanweb**



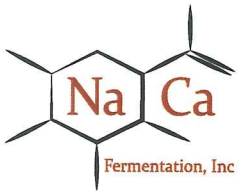
LUCID ENERGY | Lucid Energy provides renewable energy through in-conduit hydropower technology. The LucidPipe™ Power System enables industrial, municipal, and agricultural facilities to produce clean, reliable, low-cost electricity from gravity-fed water pipelines and effluent streams. **Hydropower**



M3 WAVE ENERGY | M3 Wave's ocean power system captures wave energy and converts it to electricity for connection back to on-shore grids. The submerged device has minimal impact on the ocean ecosystem. **Marine Power**



MANAGE MY CO-OP | Manage My Co-op is software for cooperatives and food buying clubs to support the administration of online grocery and retail group pre-ordering. Its auto-balancing tool makes hours of work happen instantaneously. The software will easily grow with a group. **Cleanweb**



NACA FERMENTATION | NaCa Fermentation works with distilleries, breweries, and wineries to improve their fermentation processes. Proprietary fermenters and encapsulated yeast technology are integrated into the production facility, allowing more control over production. **Energy Efficiency**





NEMAMETRIX | NemaMetrix uses nematodes to quickly test water samples for a broad range of environmental toxins that impact human health. The breakthrough could dramatically speed testing, cut costs, and reduce training time required for technicians doing environmental testing. **Bioproducts**



NORTHWEST RENEWABLE ENERGY CORP | NWREC manufactures energy management products, including solar-powered air management systems for commercial buildings. These new tools can replace or augment conventional HVAC systems by providing ventilation, de-stratification, or complex energy strategies. **Energy Efficiency**



ONBOARD DYNAMICS | Onboard Dynamics' natural gas compressor technology provides self-fueling capability to natural gas vehicles through a low-pressure source, such as a home or business gas line. Their onboard and bolt-on products are making widespread adoption of CNG vehicles a reality. **Transportation**



OPCONNECT | OpConnect's electric vehicle charging system is user friendly, data rich, and offers time-of-day charging. The OpConnect cloud-based platform manages not only OpConnect designed and branded chargers, but also chargers sold by other manufacturers. **Transportation**



PACIFIC LIGHT TECHNOLOGIES | Pacific Light Technologies is a leader in optical nanomaterials. PLT is developing rare-earth-free downconverter materials for high-efficiency solid state lighting (SSL) and displays, and is the only quantum dot company capable of on-chip integration into an LED package. **Advanced Materials | Energy Efficiency**



PURALYTICS | Puralytics has created a new photochemical technology for water purification. The technology uses light activation to destroy water contaminants without creating hazardous waste. Their products treat stormwater and create potable water in developing countries. **Water & Wastewater**



THE RENEWAL WORKSHOP | The Renewal Workshop is committed to creating a circular economy for the apparel industry. They sort, repair, and clean damaged or defective apparel to give each garment new life, thus creating a new product category of Renewed Apparel. **Recycling & Reuse**



RUTE FOUNDATION SYSTEMS | RUTE Foundation Systems manufactures an anchored beam footing for utility-scale wind turbines. Their engineered footer reduces the environmental impacts, logistics, and cost of high mass foundations. **Wind**



SHELTERWORKS | ShelterWorks Ltd. manufactures Faswall, a building block system made from recycled wood pallets that is affordable, durable, and sustainable. The block material creates the forms for poured concrete walls that have excellent energy and structural performance. **Green Building**



STORM REGEN | Storm Regen's revolutionary process treats contaminated stormwater and processes it for reuse. Advantages include meeting EPA standards, allowing water storage and reuse during high-demand cycles, and reducing disposal by up to 90%. **Water & Wastewater**



SUNMARK ENVIRONMENTAL | Sunmark Environmental provides solutions for erosion control, construction impacts, and environmental restoration. Sunmark is pioneering the use of biochar from forest waste as a filter media for stormwater management. **Bioproducts | Water & Wastewater**





SUPRASENSOR | SupraSensor Technologies provides wireless soil sensors and instruments to monitor nitrate fertilizers in precision agriculture. Their sensors provide real-time data that allows growers to eliminate over-fertilization and reduce their environmental footprint. **Agriculture**



SWEETSENSE | SweetSense provides low-power sensors and cloud-based analytics for use in developing countries and off-grid applications. Their technology is used by international development organizations to monitor programs related to water, sanitation, energy, and rural infrastructure. **Cleanweb**



TRYECO | TryEco products with Drought Defender Technology are starch-based superabsorbent polymers that offer the agriculture industry an innovative combination of absorbency and biodegradability. TryEco's seed coatings are used in agriculture, horticulture, and nurseries. **Agriculture**



WALKING POINT FARMS | Walking Point Farms' biochar-based seed coatings and soil amendments use pyrolyzed woody biomass to improve germination and yield. Their products are used in both large-scale agriculture and in environments where large equipment and dust are prohibited. **Agriculture | Bioproducts**



WASTE2WATERGY | Waste2Watergy's Microbial Fuel Cell uses a biological process to clean wastewater effluent streams from breweries and food processing plants — while simultaneously generating electricity to offset the cost of operation. **Water & Wastewater**

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For more information about the companies in our portfolio, please contact **Ken Vaughn, Director of Commercialization Programs:**
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