

GREENHOUSE ACCELERATOR COMPANIES		
Company <small>(click on logo to connect to website)</small>	Impact	Business Description
	Renewable Energy	APS uses conductive ink to install a heating element on solar cells (during manufacturing, or as retrofit). In combination with temperature and snowfall sensors the system keeps the solar cells clear of snow and increases their annual production capacity by over 10%. www.advancepowersolutions.com
Clean Power Offset		Clean Power Offset develops large-scale solar power plants to offset electricity expense of buildings that are not able to install a solar system on site. Instead, CPO locates a solar system within its own large power station. CPO builds, operates, and maintains the plant, splitting costs over many clients. The power produced is metered, sold into the grid, and the proceeds used to offset the existing utility bill.
		Emrgy uses unique gear-box technology to pack turbine-and-generator systems into small, modular and scalable units. These micro-hydropower systems can be installed in existing waterways of water treatment facilities to supplement their own power needs. www.emrgyhydro.com
		PARKENT Cycles provides a secure bicycle docking station that prevents bicycle theft. The "bicycle parking space" fits all types of bicycles and is equipped with electronics that allow wireless access and remote control. www.parkentcycles.com
		SolDeSal deploys industrial and municipal-scale solar thermal desalination technology to serve global fresh water needs in a cost-effective, environmentally sustainable manner. The SolDeSal solution is based on a unique integration of conventional and new, patented technologies and can be applied to coastal ocean water as well as to brackish inland water. www.soldesal.com
		Titurel uses piezo-enabled generators embedded in pavement to produce electricity from traffic moving over that pavement, feeding the power it into the grid. www.titurellc.com
	Energy Efficiency	Consensus Energy is an environmental services company that designs, installs, maintains and finances retrofit and upgrade projects to improve the energy efficiency of buildings and facilities. The company offers a broad suite of turn-key solutions and services, including full range energy audits and analysis, lighting retrofits, power quality improvements, utility rate analysis and assessment, energy savings measurement and verification, tax consulting, project financing and rebate/incentive compliance. www.consensusenergy.com
		Evgentech is developing a fast-charging battery technology that can reduce the time it takes to charge a lithium-ion battery fully from a minimum of 3 hours using conventional processes to about 1 hour. Testing has also produced lower charging temperatures, greater energy efficiency and longer battery life. www.evgentech.com
		IEO manufactures and markets the Optio Lighting System based on induction technology that consumes 60% less energy than metal halide lights, and 20% less than competing induction lights; lasts 50% longer (EPA rated at 100,000 hours); emits 70% less heat; does not flicker or vibrate; is UL approved; requires no maintenance; and provides higher quality light for workplace enjoyment and productivity. www.ieoenergy.com
		PhytoSynthetix is a horticultural lighting company specializing in ultra-high performance LED illumination systems for photosynthetic applications. The company is developing a biophotonic feedback system that allows the LED lights to communicate with the plants providing maximum plant growth with minimum energy consumption. A quick video with co-founder Erico Mattos: https://vimeo.com/95539777 www.phytosynthetix.com
		Retrofit America is deploying a state-of-the-art technology platform that scales up energy efficiency retrofits and associated home improvements, while building a national network of home performance contractors. Its core product is the 'Home Retrofit IT System™', an integrated, 4-module software system for home performance contractors to streamline their management of energy efficiency retrofits for homeowners – from energy assessment, to retrofit implementation, to test out and post-retrofit follow up. www.retrofitamerica.com
		Thermacote manufactures a proprietary, high performance ceramic coating that insulates exposed surfaces (building walls, roofs, containers, etc), preventing the transfer of heat or cold. This ultra-low VOC thermal barrier and protective coating is spray-applied and, when dry, looks like flat latex paint, yet conserves energy, provides a vapor barrier that breathes, reduces condensation, is lightweight, contains built in rust/corrosion inhibitors, has high solar reflectance, and extremely versatile application. www.thermacote.com
	Materials Usage	Biochar Central converts wood and agricultural waste to environmentally beneficial biochar products through a proprietary pyrolysis technology, while offering reduced disposal costs to industry for its waste streams. The biochar produced is complemented with nutrient-rich compost and offered as a powerful soil amendment, resulting in higher yields and more efficient use of water and nutrients. The modular and portable design allows for flexible and cost-efficient application of the technology. www.earthspringbiochar.com
		Sustainer is developing an advanced ecologically conscious disposable drinking cup. The cup can be made from 100% recycled materials and is itself recyclable. A second version is a carry-friendly reusable cup.
		Upshots deploys new technological options to re-use rawmaterials gained from used cooking oil for high-value pharmaceutical applications. www.upshotsinc.com
	Water Usage	EcoVie designs and installs rainwater systems for commercial properties, institutions, and homes - from systems that capture and distribute rainwater to solutions for stormwater management (including high efficiency irrigation and green roofs). The rainwater collection process pre-filters large debris; stores water in cisterns above or below ground, under decks or in crawl spaces; and distributes the water through a pumping system to where it is needed, with added filtration for non-potable indoor reuse. www.ecovieenvironmental.com