Robust Affordable Next Generation EV Storage (RANGE) Teaming List

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This document contains the list of potential teaming partners for the Robust Affordable Next Generation EV Storage (RANGE), solicited in RFI-0000000 and is published on ARPA-E eXCHANGE (https://arpa-e-foa.energy.gov), ARPA-E's online application portal. This list will periodically undergo an update as organizations request to be added to this teaming list. If you wish for your organization to be added to this list please refer to https://arpa-e-foa.energy.gov/ for instructions. **By enabling and publishing the RANGE Teaming List, ARPA-E is not endorsing or otherwise evaluating the qualifications of the entities that are self-identifying themselves for placement on this Teaming List.**

Organization	Name	Organization Type	Area of Expertise	Background	Website	Email	Phone	Address
All Cell Technologies	Said Al-Hallaj	Business < 500 Employees	High Energy Density Electrical Energy Storage for Transportation	AllCell designs and builds cutting-edge lithium-ion battery packs for transportation and renewable energy applications. Our batteries are protected by our proprietary thermal management technology using phase change material (PCM), which allows AllCell to produce lightweight and compact packs with extended cycle-life and industry-leading safety. AllCell's PCM technology was commercialized in defense and civilian applications is using phase change material (PCM) technology.	www.allcelltech.com	salhallaj@allcelltech.com	773-922-1155	2321 W.41st Street, Chicago, IL 60609
American Lithium Energy Corporation	Jiang (John) Fan	Business < 500 Employees	High Energy Density Electrical Energy Storage for Transportation	1) High capacity and safe lithium ion cell development for the military applications and EV applications using the advanced negatives (such as high capacity graphite, nano Si , and hard carbon) and high energy positives such as the metal doped lithium nickel cobalt oxides, lithium iron phosphate, and various kinds o f lithium nickel cobalt manganese oxides 2) High capacity and safe patented NanoBead material development and characterization 3) Cell and battery characterization including the cell and battery performance and abuse tolerance 4) Lithium-ion cell prototype and manufacturing i) 18650 cell pilot line in the drying room - Commercial cell parts from the production line ii) Pouch cell pilot line in the drying room - Commercial cell parts from the production line iii) Lithium ion and battery manufacturing plant (JV) in China - Production trial of lithium ion battery for the light electric car and EV battery module	www.americanlithiumenergy.com	jfan@americanlithiumenergy.com	760-591-0611	935 Bailey Court STE 106, San Marcos, CA 92069
Angel Alternative	Phillip Hutton,	Individual	Bioenergy	I have a Ph.D. in Engineering from UND with an emphasis in energy systems, M.S. in Chemical	N/A	phillipnhutton@gmail.com	(701) 215-1036	03 S. 5th Street, Grand Forks ND 58201

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Energy	PHD			Engineering and in Colloids, Polymers, and Surfaces from CMU; an M.S. in Applied Physics from ODU; and a B.S. in Electrical Engineering from the PITT. My academic credentials are complimented by over 16 years of engineering and research experience. My principal area of expertise is the application of advanced technology and processes within the renewable energy industry, i.e., innovative energy systems employing biomass gasifiers, solid oxide fuel cells and microturbines. As a Research Manager at the University of North Dakota Energy and Environmental Research Center (EERC), I managed a staff of 4 engineers working on projects ranging from biofuels, to fuel cells, to CO2 sequestration, to biomass gasification. I have proposed and been awarded biomass energy projects in excess of $4M in competitive solicitations. Google Keywords: Phillip Hutton Biomass				
Beam & Plasma Technologies, Inc	Dr. Sergey Korenev	Business < 500 Employees	High Energy Density Electrical Energy Storage for Transportation	Experimental study of robust high energy storage. Experimental study of transfer on energy form pulsed energy systems.	http://www.beamplasma.com	info@beamplasma.com	(847)-613-0881	582 Fairway View Drive, Unit 3G, Wheeling, IL 60090
Center for Electromechanics	Dr. Robert Hebner	Non-Profit	Grid	system modeling and simulation, power electronics, alternative fuel vehicles,electrical machinery and system level prototyping	//www.utexas.edu/research/cem	r.hebner@cem.utexas.edu	512-232-1628	10100 Burnet Rd, Bldg 133, Austin, TX 78758
HEVO Inc.	Steve Monks	Business < 500 Employees	High Energy Density Electrical Energy Storage for Transportation	HEVO is developing a wireless power network to ameliorate commercial EV fleets' range issues and limited access to plug-in charging stations. HEVO's products will merge both magnetic resonance and induction technologies into one easy-to-use, universal, opportunistic charging solution to mitigate range limitation and optimize fleet operations. The HEVO Power Network consists of the HEVO Power Station (HPS), a durable unit embedded in pavement and able to provide full interoperability with any EV up-fitted with an on-board HEVO Receiver. These two devices communicate and interface with the end user via HEVO Mobile (HM) telematics, so users can locate an HPS, determine availability, reserve a charging time, efficiently park, pay wirelessly and monitor battery status from one mobile device.	www.hevopower.com	steve@teamhevo.com	2122923191	137 Varick Street, Floor 2, New York, NY 10013
Massachusetts Institute of Technology	Tomasz Wierzbicki and Elham Sahraei	University	High Energy Density Electrical Energy Storage	Crash and Mechanical Abuse testing and modeling of Li-ion Batteries. Calculation of energy absorption and detection of onset of electric short circuit.	http://web.mit.edu/icl	elhams@mit.edu	6173245025	77 Mass Ave, room 5-218, Cambridge, MA, 02139

Organization	Name	Organization Type	Area of Expertise	Background	Website	Email	Phone	Address
			for Transportation	Structural Mechanics, Experimental and Computational Mechanics				
Purdue University	Wayne Chen	University	Other	Design of impact-resistant structures; Development of impact test methods; Development of failure criteria for materials and structures under crash and impact loading; Extensive experiences collaborating with industry and government laboratories.	https://engineering.purdue.edu/AAE/People/Faculty/Faculty/showFaculty?resource_id=1261	wchen@purdue.edu	765 494 1788	701 West Stadium Avenue, ARMS 3323, West Lafayette, IN 47907-2045
RFK ONE, LLC.	Rory Krieger	Business < 500 Employees	Technologies that facilitate low-cost, high-performance, and/or plug-and-play hybridization and integration of disparate devices	Human Transportatin (HT) is the most prolific use in today's society. We need help refining our HT product to stem the use of fossil fuels.	N/A	rfkone@earthlink.net	303-238-3243	PO Box 280704, Lakewood, CO 80228
Swerea SICOMP AB	Leif Asp	Non-Profit	Other	Swerea SICOMP is a Swedish private, not-for-profit, research institute. It is devoted to R&D on polymer composites. Since 2007 we have conducted research on multifunctional, structural energy storing, composite materials. In this line of work we have developed batteries from carbon fiber reinforced polymer materials that can carry mechanical loads. We have strong network across Europe. In collaboration with the Royal Inst. Techn. (KTH), Stockholm, we have developed a technique where we coat individual carbon fibres in a yarn with thousands of fibres with a thin sheath of solid polymer electrolyte (SPE)that allows novel battery designs.	www.swereasicomp.se	leif.asp@swerea.se	+46317066349	Box 104, S-43122, Molndal, Sweden
WattJoule Corporation	Greg Cipriano	Business < 500 Employees	Storage Technologies for Ubiquitous Deployment by Customers	WattJoule is a startup technology commercialization company for next generation energy storage products. We have extensive experience developing and deploying advanced, robust military and commercial energy storage and power systems. We are seeking additional partners in the EV, transportation, grid, industrial and defense markets. One of our early products is a next generation lithium titanate cell that has high-power, a large DOD window, is highly durable, and can be fully charged in under 5 minutes over a thousand cycles. This cell has inherent functionality and safety features not possible with other lithium	www.wattjoule.com	greg@wattjoule.com	508-942-8995	Unit M2D2 600 Suffolk St. Lowell, MA 01854

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				chemistries. Evaluation modules with these cells are being developed. We also have ongoing innovation work in the areas of BMS, thermal management, non-flammable electrolytes and flow batteries. Our team is highly product focused with a deep interdisciplinary skillset. We invite your inquiries on partnering and collaboration. Please visit our website for more info.				
Worcester Polytechnic Institute	Yan Wang	University	High Energy Density Electrical Energy Storage for Transportation	We are developing a high energy density flow batteries, which can potentially be used for electric vehicles.	www.wpi.edu	yanwang@wpi.edu	508-831-5453	100 Institute Road, Worcester, MA 01609