

Date Recd	Question #	Source Doc Paragraph	Question	Answer	POC	Company
10/6/2020	1		One of the most time-consuming and costly test events includes human factors, human machine interface, human systems, human readiness levels, and other "humans in the loop" testing. Most systems check the box with user evals or user assessments very late in the process. If the goal is to ensure the systems under test will meet "warfighter needs" will you consider mature low cost technologies that enable testing with/on the human in a virtual environment?	Yes, we will consider these technologies though they will be a smaller subset of the project as a whole.	<a href="mailto:travis-klopfenstein@uiowa.edu">travis-klopfenstein@uiowa.edu</a>	University of Iowa
10/7/2020	2		Systecon optimizes system performance and cost, in real-time, with confidence. Opus Suite provides prototype to sunset decision support optimization for performance and cost of the system's lifecycle. Tactical Augmented Optimization's AI ensures mission changes and operational impacts are integrated into the overall life-cycle plan, in real-time, providing predictive maintenance alerts and continuing to optimize the integrated logistics support plan. Would an all in one solution that follows the systems through this process and into the field through its life cycle the type of solutions you are looking to implement?	Yes, we would like to evaluate any technologies that enable us to conduct data-driven decision making	<a href="mailto:vince.mendoza@systecon.us">vince.mendoza@systecon.us</a>	Systecon North America
10/7/2020	3		Would there be an interest by EVCAPP to see the development of an onboard electric vehicle battery recharging device on its UAVs and electric vehicles?	there may be other use cases at the Center for technologies such as this.	<a href="mailto:castorenergy@gmail.com">castorenergy@gmail.com</a>	Varnell Castor, Castor Energy
10/7/2020	4		Would be there an interest in seeing the development of an scaled warfighter backpack Would be there an interest in seeing the development of an scaled warfighter backpack that not only utilizes and manipulates stores air to provide onsite clean energy and water to warfighters while on the field but also filters or cleans the air for face mask breathing purposes for warfighter by adding a respirator component to the warfighter backpack? Our patented microgrid is named the Air to Electricity and Water Microgrid. It has 2 modes - an Air to Electricity Mode and an Air to Water Mode. During the Air to Water Mode, as the batteries are running the motor to collect and pressurize air in the tank, that stored air can be configured to run through a filter, a hose and to a face mask like Powered Air-Purifying Respirators (PAPR). PAPRs use the same filters as gas masks, but make breathing easier by using a fan to blow air through the filter. The filter can be N95 against the coronavirus and all soldiers will be protected on the battlefield, especially when we go to war with China. As an addition to the filtering, I want to incorporate a manually rotating filter mechanism, where soldiers can choose the different types of filters to use. N95 filters protect against particles, but not chemicals, gases and vapors. So other filters could be included. We are seeking strategic partners and sponsors for our Innovative renewable energy system, namely the Air to Electricity and Water Microgrid, which is a dual use microgrid that can generate electricity through the capturing and manipulation of air as well as harvest airborne water molecules for hydration purposes. Our end goal is to provide and sell 24/7-accessible utility services - electricity and water - across the planet without restrictions, which is why we decided to construct and patent a microgrid that utilizes air, Earth's 24/7-accessible resource. So far, the U.S. Air Force has shown interest in working with us. For energy investors to know that we're serious, as well as to help us stand out from the rest, I drafted key stress points. Key stress points that I would like mentioned in our profile are as followed: 1) The Air to Electricity and Water Microgrid was recently patent-approved on 6/10/2020 by a team of experts from the USPTO or US Patent and Trade Office. We have 1 US patent approved application that supports and protects 4 microgrid design configurations that we can utilize in the business; and that we are protected as far back as the original claimed patent application for the microgrid, which is 2015. 2) I believe we are more TRL 3 with our model, and with investment, we can scale the model to size and run full demonstrations. 3) The microgrid and our nonprofit were recognized by NASA ITECH's 2018 Cycle II Energy Challenge, where we were named in the Top 25 Semifinalists (the link can be found on our company website if you wish to copy/paste it) 4) In 2018, the Air to Electricity and Water Microgrid was also listed in the Top 8 Finalists list of Vodafone Americas Foundation Mobile Challenge. 5) The patented, NASA-recognized Air to Electricity and Water Mobile Microgrid has a dual functionality of providing both onsite electricity and water. 6) Besides the recently approved US utility patent, our goal is to expand our onsite utility service of the sale of both electricity and water in other countries, which is why we submitted in 2019 a PCT or Patent Cooperative Treaty application that we are awaiting a response from the USPTO on. Our PCT application not only mirrors the approved US utility patent but also builds on the functionality and configuration of our Air to Electricity and Water Mobile Microgrid. Next, I want to update you on our progress. Progress is being made regarding the correct investor. We signed our service agreement with Inspiralia and they already completed the first draft for the Air Force accelerator program (AFWERX) and will be submitting the requested proposal for a 1kW base model and a 70W warfighter model (without the respiratory system to combat Covid) by next week. We hope that the military will align us with a military-affiliated investor in order to secure the international patent applications before the February deadline. Secondly, we are still in discussions with the Democratic Republic of Congo regarding an international investment. Covid slowed a lot of progress down, but I'm hopeful that a MOU can still be executed before the end be of the year. Finally, I began discussions a month ago with an investor group from NY, Neonvest. I've spoken to an investor from there named Kristen Palma who so far is interested in consulting and supporting us. In conclusion, we have an approved US patent application as well as an approved WIPO or international patent application that has a deadline of February 2021 to submit to international countries so we can protect and build out utility microgrid for sale of electricity and water.	Not for EVCAPP, however, there may be other use cases at the Center for technologies such as this.	<a href="mailto:castorenergy@gmail.com">castorenergy@gmail.com</a>	Varnell Castor, Castor Energy
10/9/2020	5		How much of this effort will be based on time series data from sensors? And, is this time series data of high frequency?	About 60% of our data is time-series data with the rest constituting video, photo, and log file type data. A majority of our data is collected at no greater than 400hz however for some specific testing higher frequency data may be collected	<a href="mailto:gustavo@pandatech.com">gustavo@pandatech.com</a>	Pandata Tech
10/12/2020	6		Are the RTC and USAFC willing to direct teaming arrangements based on individual proposals with better individual technologies?	RTC is looking for best of breed technologies, teaming arrangements should be up to the individual vendors	<a href="mailto:gustavo@pandatech.com">gustavo@pandatech.com</a>	Pandata Tech

10/12/2020	7		Does the RTC and USAFC expect to be able to get the best available technology by awarding one big integration contract?	RTC is looking for best of breed technologies, however, we also have some real world program management constraints that make it preferable to award a single integration contract to the best TEAM of vendors.	<a href="mailto:gustavo@pandatatech.com">gustavo@pandatatech.com</a>	Pandata Tech
10/29/2020	8	Section 5.1.1.1	Does the Government anticipate that additional vendors could be added to the team after award?	RTC is not going to dictate to any vendor which teammates they should add, however, if a specific technology becomes available down the road, we believe it is in the best interest of the lead vendor to continuously evaluate vendors for inclusion into the project.	<a href="mailto:pgibbs@wavelinkinc.com">pgibbs@wavelinkinc.com</a>	Wavelink Inc.
10/29/2020	9	Section 6	Has the Government considered making more than one award to increase access to a broader set of technologies than would be available through a single offerer?	RTC is looking for best of breed technologies, however, we also have some real world program management constraints that make it preferable to award a single integration contract to the best TEAM of vendors.	<a href="mailto:pgibbs@wavelinkinc.com">pgibbs@wavelinkinc.com</a>	Wavelink Inc.
10/29/2020	10	Section 6	Has the Government considered making one award per pilot to increase competition (Note: with overall integration across the pilots managed through Pilot 5)?	RTC is looking for best of breed technologies, however, we also have some real world program management constraints that make it preferable to award a single integration contract to the best TEAM of vendors.	<a href="mailto:pgibbs@wavelinkinc.com">pgibbs@wavelinkinc.com</a>	Wavelink Inc.
10/29/2020	11	Section 6	Would award of a single pilot offered by a non-traditional contractor meet the criteria of "in the Government's best interest"?	RTC is looking for best of breed technologies, however, we also have some real world program management constraints that make it preferable to award a single integration contract to the best TEAM of vendors.	<a href="mailto:pgibbs@wavelinkinc.com">pgibbs@wavelinkinc.com</a>	Wavelink Inc.
10/29/2020	12	Section 6	Can the Government define some specific scenarios where an additional award would be in the Government's best interest?	RTC is looking for best of breed technologies, however, we also have some real world program management constraints that make it preferable to award a single integration contract to the best TEAM of vendors.	<a href="mailto:pgibbs@wavelinkinc.com">pgibbs@wavelinkinc.com</a>	Wavelink Inc.
10/29/2020	13		Does the Government anticipate any OCI between the EVCAPP and RTES contracts?	Currently we do not anticipate any, however, individual proposals will be looked at closely for any potential issues.	<a href="mailto:pgibbs@wavelinkinc.com">pgibbs@wavelinkinc.com</a>	Wavelink Inc.
10/29/2020	14		Will all subcontractors / sub-vendors also need SECRET level access to contribute? Section 4.1 seems to indicate yes, whereas section 2 does not. Thanks!	To clarify, individual teammates do not require SECRET level access to contribute, however, the products that a developed for many of the pilots will be used to conduct testing that will produce classified data.	<a href="mailto:rohit@sentenai.com">rohit@sentenai.com</a>	Sentenai



