



STE-LTS

Innovator NETWORKX

Wednesday, January 20, 2021

What is an Innovator NETWORKX?

- A virtual teaming event that allows you to interact with other NSTXL innovators
- Discuss your company's capabilities as it pertains to this opportunity
- Start a dialogue with innovators
- Continue the conversation after the event on NSTXL Community



How It Works

- Alpha order by company
- When you see your slide, unmute yourself on Teams by pressing the microphone button.
- After a company presents, participants can ask questions by raising their hand. You will be called on by a member of the NSTXL team when it is your time to ask your question.
- After the event, go to the STE-LTS teaming board on NSTXL community and start teaming.
- Send private messages to those you have heard from during the call.
- Slides will be posted to the teaming board.

ACME Worldwide

Name: Ron Chewning

Title: Government Business Development
Consultant

Phone: 407-782 3886

E-mail: rchewning@acme-worldwide.com

My Role in the Company is...

Business Development Consultant. Evaluate opportunities and vet potential teaming partners.

Our Capabilities

- ACME Worldwide is a Small Disadvantaged Hispanic Owned Small Business headquartered in Albuquerque, NM with presence in Colorado Springs and Orlando.
- S&T Company specializing in Motion Cueing technologies for Military and Commercial systems worldwide.
- Since 1994 we've helped customers across the globe with unique training, technology, and simulator support services.
- Our motion systems help crews in simulators train realistically and effectively for operations in the real world.
- Our Gun Active Recoil (GARÂ®) machine gun trainers feature actual full-force recoil.
- Our Dynamic Motion Seats (DMS) replicate the sensations felt when operating land, air, or sea vehicles.

Role in the STE-LTS Opportunity: Sub**DoD Experience**

- We've supplied realistic training systems to 11 countries.
- We've delivered motion seat systems for F-15, F-16, M346 & T-50 fighters and AH-64, SH/HH/MH-60, and NH-90 helicopter simulators. In repeated orders since 2005, we've provided all of the motion seats for US Navy SH & MH-60 simulators.
- More than 350 gun recoil systems used in US military simulators: MK-19, M2, M240, M134 Minigun, GAU-21 and GAU-18.
- Our motion seats are 5th Generation.

Our Interest in the Opportunity Stems from...

The ability to provide the most realistic training simulation systems to our military. Many simulation training systems are "gamer" oriented. ACME systems are as close to the real weapon systems as are physically possible. For example, the look and feel of an M240 machine gun is precisely the look and feel and performance of the real machine gun. Our gun systems have proven to save time and training dollars while at the same time improving the effectiveness of gunner training.

Additional information about us and our capabilities

ACME systems can integrate into almost any solution and can be easily modified if required. Our gun systems are NOT laser based but offer predictive impact even through most obstacles. We believe our gun systems offer a solution to help fill the gaps in the direct fire STE-LTS 12+5 engagement objectives.

END

Alion Science

Name: Phil Grandfield

Title: Director Business Development

Phone: 757-418-2386

E-mail: pgrandfield@alionscience.com

My Role in the Company is...

Director of Business Development for Alion's Advanced Modeling and Simulation Technology Operation (AMSTO)

Our Capabilities

Modeling & Simulation for DoD training

Game-based Training

Live/Virtual/Constructive Training

Cross-Domain Solutions

Integrated Networks

Immersive Environments

Cybersecurity/Risk Management Framework

Role in the STE-LTS Opportunity: Prime

DoD Experience

Extensive. Decades of experience with multiple contracts

Our Interest in the Opportunity Stems from...

Developing the synthetic environment and interactive network required to support STE-LTS

Additional information about us and our capabilities

Alion competes as a large business and qualified prime contractor.

CMMI-3 in both DEV and SVCS. CMMI-5 expected in 2021.

END

Aptima

Name: Ken Garrison

Title: Training Systems Program Manager

Phone: 321-332-5373

E-mail: kgarrison@aptima.com

My Role in the Company is...

Program Manager

Our Capabilities

Observer Measurement

Adaptive Training

Human Factors Engineering

Artificial Intelligence

Big Data Analysis

Social Networking and Analytics

Decision Support Systems

Measurement Analytics

Data Management and Visualization

Cognitive Sciences

Computer-Based Training and Simulations

Network/Data Pattern Matching

Training Support Systems

Role in the STE-LTS Opportunity: Sub**DoD Experience**

Aptima maintains a portfolio of government contract vehicles, including government-wide acquisition contracts and indefinite delivery/indefinite quantity (ID/IQ) task order contracts. These flexible contracting arrangements allow Aptima to work rapidly to solve client problems across the federal Government.

Our Interest in the Opportunity Stems from...

Interested in applying algorithms to conduct performance measurement assessment.

Applying model-based approach for tailoring training and feedback to the individual learner for higher level of proficiency

Additional information about us and our capabilities

For 25 years, Aptima's mission has been to improve and optimize performance in mission-critical, technology-intensive settings. We apply deep expertise in how humans think, learn, and perform to today's challenges. Whether for fighter pilots functioning in the cockpit, medical staff in the ICU, or teams collaborating across distributed networks, our solutions help measure, assess, inform, and augment human performance in defense, intel, aviation, law enforcement, and healthcare.

END

Bagira Systems

Name: Oren Sheinfeld

Title: VP Marketing & Sales

Phone: -6609015

E-mail: oren@bagirasystems.com

Our Capabilities

Bagira Systems developed and fielded Direct and Indirect Live Training Systems with full integration to our Synthetic Environment and Dynamic Terrain.

Our LTS includes training capabilities for all 12 engagements required by the project (including Artillery trainers, guided weapons, CBRN, IED etc.)

Role in the STE-LTS Opportunity: Unsure

DoD Experience

NA – yet!

END

Banc 3, Inc.

Name: John Couch

Title: Program Analyst

Phone: (609)759-1900x213

E-mail: johncouch@banc3.com

My Role in the Company is...

- Proposal Development (identifying / evaluating contract opportunities through submission of completed proposals)
- Contracting - POC for teaming agreements, NDAs, etc.

Our Capabilities

- Hardware and software design of Android and Linux based augmented reality headsets
- Hardware and software design of augmented reality weapon scopes
- Android and Linux firmware, driver, and framework development
- Augmented reality application development in Unity or Android studio
- Training and game development in Unity for mobile AR devices
- Android Application Development
- AR positional tracking including SLAM
- Mobile Machine Learning models and applications for object and target tracking
- Complex Microelectronics PCB design (custom)
- Custom AR product development for Mil and Commercial customers
- Broad spectrum simultaneous RF signal monitoring hardware and software design and development

Role in the STE-LTS Opportunity: Unsure

DoD Experience

20+ years DoD Contract experience. Relevant experience for STE-LTS includes:

- Direct Fire M3 MAAWs AR Scope Design, Development, and Testing:

BANC3 provided design engineering, field service and technical support needed for a M3 MAAWS Augmented Reality (AR) scope display leveraging their X2 MR Glass hardware architecture in support of GDMS STE Live efforts for Direct Fire (DF). Our support included activities to design, build, test and demo the M3 MAAW AR scope overlay system as directed by the GDMS Deputy Program Manager Engineering (DPME) and Lead Engineer (LE).

- AR/MR for Live Fire Range Training: Under SBIR Phase I & II awards from PEO-STRI, BANC3 designed an AR/MR system for basic marksmanship training on live fire ranges. The soldier wears a standalone optical see through HMD that displays 3D virtual targets downrange in both eyes superimposed over the real-world view.

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Our Interest in the Opportunity Stems from...

BANC3 is looking for ways to use our augmented reality knowledge and experience in the synthetic training environment. Our speed and expertise allow us to develop unique AR hardware or software products that cannot be found off the shelf. From 810G rated AR weapon scopes to training application that run on AR headsets, we can offer a broad range of support.

Additional information about us and our capabilities

BANC3 is a product development firm that creates innovative hardware and software for the DoD and commercial market and is a non-traditional defense small business. Banc3 has expertise in AR application development for training and maintenance, firmware development, machine learning model development for target tracking, AR optics, and wearable hardware design. Our Augmented Reality group has developed several AR headsets and AR training weapon sights for both military and commercial customers. We focus on developing open systems using common tools such as Unity and Android Studio, making it easy for us and our partners to deliver timely solutions.

END

Calytrix Technologies Inc.

Name: Joseph Schwab

Title: Manager

Phone: 3212870759

E-mail: joe.schwab@calytrix.com

My Role in the Company is...

General Manager of the company

Our Capabilities

- Titan Vanguard whole of world simulation for training.
- CNR(CommNetRadio) Sim, simulation software radio application for use in all types of simulations and simulators. Works like normal radio systems with full effects of distance, earth curvature, built up area influences, etc. , unlimited channels, can interface with real world radio comms via our CNR-Live interface box.
- LVC Game (Live, Virtual, Constructive) a system to bridge between multiple simulation environments via DIS/HLA/C2.
- LVC Cost Counter. Monitors the simulation network and accumulates and displays costs associated with LVC simulation events. A means to measure the cost savings of simulation over live training by correlating simulation assets with user defined real world cost for elements like ammunition, fuel, maintenance hours, etc.

Role in the STE-LTS Opportunity: Sub

DoD Experience

Calytrix Technologies, Inc was the Prime for the US Army Games For Training (GFT) program.

We were also one of the major players in the initial STE program selection with our Titan Vanguard world training simulation system. We were one of the teams down selected for the final multiple venue STE selection events processes.

Our CNR simulation radio system is being used by multiple organizations throughout the US Army and Special forces.

Our Interest in the Opportunity Stems from...

It is an extension of STE work that we have previously participated with the US Army. We believe that our products and expertise will enhance the programs capabilities

Additional information about us and our capabilities

For more information on any of our products or capabilities please feel free to contact me at joe.schwab@calytrix.com or 321-287-0759.

END

Cubic Corporation

Name: Doug Harding

Title: Senior Director Business Development

Phone: 913-240-9113

E-mail: doug.harding@cubic.com

My Role in the Company is...

Army Account Executive and STE LTS Lead

Our Capabilities

Leading provider of live training systems. Our capability includes direct fire, indirect fire and integration

Role in the STE-LTS Opportunity: Prime**DoD Experience**

Almost 3 decades of providing Training Engagement Simulation Systems worldwide.

Our Interest in the Opportunity Stems from...

The ability to impact Army training. To be at the forefront of a training revolution. Assisting our customers in producing readiness.

Additional information about us and our capabilities

None

END

Cybernet

Name: Robert Biggers

Title: Cybersecurity Business Development Manager

Phone: 4077015179

E-mail: rbiggers@cybernet.com

My Role in the Company is...

Work very closely with upper management to prospect and market our current products and services by working with leaders in the DoD MS&T Community, along with the upcoming need to support those in the Architectural & Engineering Industry. My role

Our Capabilities

RMF Assessment and Authorization

Cybersecurity Automation

Centralized Cybersecurity Management

Vulnerability Management

Automation

DevSecOps

Cybersecurity Consultants

Advanced Cybersecurity R&D

Cybersecurity System Integration

System Security Engineering

Research & Development

Hybrid Cloud/PoN-DIL Cybersecurity Architecture

Role in the STE-LTS Opportunity: Sub**DoD Experience**

Cybernet Systems Corporation is a stand-alone small business solutions company committed to advancing human performance through the application of technology in Artificial Intelligence, Robotics, and Cybersecurity. Cybernet Systems has a documented track record of on-time and on-budget delivery of sophisticated military and space system products, prototypes, and services. Cybernet has worked across many branches of the DoD. Our past performance includes the following:

United States Army

- Synthetic Training Environment Common Synthetic Training Environment (STE CSE)

United States Marine Corps

- Advance Distributed Virtual Training Environment (ADVTE)
- CH-53E
- CH-53k
- MV-22

United States Navy

- Littoral Combat Ship Mission Bay Trainer (LCS MBT)

CONTINUED

Our Interest in the Opportunity Stems from...

Cybernet Systems had experience with the STE CSE program, as the Principal CyberSecurity architect for Mak Technologies, the prime contractor under the US Army W900KK-18-9-0005 NSTXL-TREX-19-0013 contract. Cybernet provided ALL Cybersecurity architecture, management, and support to Mak Technologies to support Army TREX.

Due to the distributed nature of the CSE, many considerations needed to be designed into the methods used such that Cybersecurity compliance was able to be maintained across the entire federation of systems. The DDIL nature of the operating environment complicated everything from patch management to audit log aggregation. To combat these challenges, Cybernet implemented its Security Manager solution throughout the CSE architecture. Cybernet Security Manager provides Cybersecurity management services for many of the hard-to-meet RMF controls.

Additional information about us and our capabilities

The Cybernet team is made up of DoD 8570.01 certified staff who perform all DoD Risk Management Framework (RMF) activities. For the last decade, our staff has certified DoD information systems using both RMF and DIACAP processes.

Our in-depth knowledge of the DOD cybersecurity process allows the government to feel assured that systems are secure and as a result, will pass cybersecurity validation.

Our qualified cybersecurity staff is always ready to answer your questions and help navigate tough requirements and hard problems.

Cybernet has effectively provided successful solutions under the guidelines given from NIST. Our proven staff and tools like Security Manager, reduce the time, effort, and complexity addressing 800-171/CMMC mandates.

END

FDT - Fifth Dimension Technologies

Name: Paul Olckers

Title: CEO

Phone: 407-734-5377

E-mail: paul.olckers@5DT.com

My Role in the Company is...

Founder and CEO.

Lead ideator of company with a passion for the identification & implementation of new technologies and finding new markets for said technologies.

Our Capabilities

Within the fields of Machine Learning, Virtual Reality and Training Simulators, we do the following:

- Systems Development:

Project management, systems engineering, config management, quality assurance, specification development.

- Software Development:

1x Internal software development kit (SDK) for Machine Learning systems.

4x Different internal software development kits (SDKs) for VR & Simulators.

- Graphics Development:

5x 3-D Studio Max workstations.

- Mechanical Hardware Development:

7x SolidWorks workstations.

- Electronics Development:

Electronics design, development and manufacturing capability.

- Optics Development:

Basic design capability.

Role in the STE-LTS Opportunity: Sub

DoD Experience

We have won the Construction Equipment Virtual Trainer (CEVT) contract as a subcontractor alongside a prime contractor.

We are currently executing this contract. One year in and we are on spec, on schedule and on budget.

The CEVT contract requires the development and supply of training simulators for 5 different construction machines, that is, dozer, grader, excavator, scraper and front-end loader.

The total number of simulator units to be supplied under this contract is 253.

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Our Interest in the Opportunity Stems from...

We have a camera-based Machine Learning concept that could form the basis of a non-laser live training system (LTS).

We already have most of the building blocks in place for this system.

We believe that this system could form part of a future-oriented or revolutionary development path within the STE-LTS project.

Additional information about us and our capabilities

5DT (Fifth Dimension Technologies) by the numbers:

- More than 25 years in business
- More than 200 simulators deployed worldwide
- Simulators for more than 140 different vehicles/machines/aircraft from more than 40 different OEMs
- Offices in 4 countries

We are hardworking and smart teaming partners.

We are open to team!

Brochure:

https://5dt.com/wp-content/uploads/2020/11/5DT_Brochure_Aerospace_Defense_R1.2_EN-US.pdf

Capability Overview:

https://5dt.com/wp-content/uploads/2020/11/5DT_Capability_Overview_Aerospace_Defense_R1.6_EN-US.pdf

END

Fenix Group

Name: Dave Peterson

Title: CEO

Phone: 571-380-9211 ext 1002

E-mail: dpeterson@fenixgroup.io

My Role in the Company is...

CEO, Business Development

Our Capabilities

Fenix Group provides standalone, secure wireless transport and edge networks in austere (or private/enclave) environments for up to 800 connections in a meshed-hub-and-spoke architecture, bandwidth up to 300 Mbps. Our mission is to reduce risk, cost, and burden on the warfighter; our capabilities are well suited to supporting the STE-LTS mission.

Role in the STE-LTS Opportunity: Unsure

DoD Experience

We have past or present contracts with DoD, IC, as well as international military organizations.

Additional information about us and our capabilities

Our contribution to the total solution is to provide the network infrastructure, that makes us a great teammate and/or subcontractor.

END

FN America

Name: Thomas Smith

Title: Consultant

Phone: 703 980 0332

E-mail: thomas.smith@cb-da.com

My Role in the Company is...

I support IT integration into weapon platforms supporting training, operations and logistics applications.

Our Capabilities

Weapon IoT Sensors

Weapon Ballistic Calculators

Laser Range Finders

Weapon Skills Development applications

Individual Weapon Skills metrics

Role in the STE-LTS Opportunity: Sub**DoD Experience**

FN America supplies 70%(+) of all DOD small arms, including most squad direct fire weapons.

FN has been supporting the US military for more than 30 years and has been a major weapons manufacturer for 131 years.

FN is currently doing capability prototyping relevant to weapon skills for STE CFT.

FN is focused on providing IoT sensors for all direct fire weapons found in the squad.

Our Interest in the Opportunity Stems from...

FN's strength is supporting Soldiers in combat. We understand the environment, challenges and requirements.

Force-on-Force training directly translates to operational warfighting. FN seeks to leverage training sensors for combat employment.

Additional information about us and our capabilities

FN is motivated to deliver small form-factor weapon sensor solutions, consistent with the Adaptive Squad Architecture.

END

Horus Vision

Name: Alex Pickett

Title: Business Development Manager

Phone: 206-741-4018

E-mail: apickett@horusvision.com

My Role in the Company is...

Business Development Manager for Horus reticles on medium and long range optics, ballistic software, and the Horus Small Arms Virtual Reality Simulator.

Our Capabilities

1. Ballistic Software
2. VR/ AR Ballistic Simulation
3. Marksmanship Training
4. Reticle Development
5. Optical Design
6. Ballistic Data & Visualization

Role in the STE-LTS Opportunity: Sub**DoD Experience**

Horus has an extensive history working with DoD. Multiple contracts providing DoD reticles, ballistic software, and marksmanship training systems.

Our Interest in the Opportunity Stems from...

Horus has extensive experience with ballistic simulation to improve accuracy and precision of training. We feel that applying a ballistics engine to the STE-LTS project will allow for the desired end-state to be reached.

- Simulate realistic engagements that accurately represents trajectory, point of impact, and target or obscurant penetration
- Enable leading moving targets and account for moving shooting position
- Accurately model the effective range of weapon(s) with any atmospheric condition or caliber
- Provides data to shooters/targets/observers of hits, misses, and tendencies for AAR capability

Additional information about us and our capabilities

Horus is a dedicated small business

END

Industrial Smoke & Mirrors

Name: Don Petersen

Title: Sales and Business Development Manager

Phone: 407-299-9400 ex 233

E-mail:

DON.PETERSEN@INDUSTRIALSMOKEANDMIRRORS.COM

My Role in the Company is...

Hardware design and prototyping

Our Capabilities

Mechanical and Electrical Design

Innovative manufacturing techniques

Role in the STE-LTS Opportunity: Sub

DoD Experience

ISM has been a sub contractor for several major DoD contracts; Common Driver Trainer, T-7A simulated flight trainers, MV-22 flight trainers, JLTV maintenance trainers.

Our Interest in the Opportunity Stems from...

Being involved in the foundational element of all future training devices.

Additional information about us and our capabilities

We can help create unique prototypes, manufacture 100s of high quality components, or build a complete training device.

END

Inter-Coastal Electronics

Name: Matthew Hitchon

Title: Principal Engineer - Systems Integration

Phone: 407-451-5414

E-mail: mhitchon@inter-coastal.net

My Role in the Company is...

System integration, system architecture and business development.

Our Capabilities

Aviation Live Training Solutions

Artillery and Ground Live Training Instrumentation

Command and Control Software

AAR software tools

Radio networks, infrastructures and gateways

Manufacturing and depot repair.

Role in the STE-LTS Opportunity: Unsure**DoD Experience**

Over 30 Years of DOD contracting experience with currently well over dozen active DOD contracts.

Our Interest in the Opportunity Stems from...

The evolution of I-MILES with respect to Aviation and TOW ITAS.

Additional information about us and our capabilities

ICE is the industry leader for Aviation Live training instrumentation. Any direct fire solution selected for the ground vehicles will need to be modified for aviation platforms.

END

Lockheed Martin

Name: Ray Chandler

Title: Principal Business Development

Phone: 4074638915

E-mail: raymond.f.chandler.iii@lmco.com

Name: Stephen Gonya

Title: LM-Fellow Research Scientist

Phone: 607-727-0064

E-mail: stephen.gonya@lmco.com

My Role in the Company is...

Ray works for the Vice President of Lockheed Martin Rotary and Mission Systems line of business Training and Logistics Systems as an Army Strategist.

Stephen works with R&D Materials and Electronics.

Our Capabilities

We have been involved in many projects that support the efforts outlined in STE-LTS
PWB Fabrication, EW/EA Systems, Radar Systems. 3D Electronic Printing

Role in the STE-LTS Opportunity: Unsure**DoD Experience**

DoD Contractor, Numerous BAA awards, DARPA and other government contracts

Our Interest in the Opportunity Stems from...

3D Electronic Printing, Electronic Warfare and Electronic Attack Systems. We have been involved with this customer for many years and have many of the legacy programs PEOSTRI currently supports.

Additional information about us and our capabilities

We have primed on many DoD awards, as well as been a subcontractor.

END

NuWaves Engineering

Name: Mike Trimble

Title: Director of Range Systems

Phone: 513-360-0800

E-mail: mike.trimble@nuwaves.com

My Role in the Company is...

I am a senior leader responsible for execution of NuWaves' strategic intent of providing capabilities to the DoD's training and test ranges.

Our Capabilities

NuWaves Engineering is a Veteran Owned Small Business that provides electronics design and development, manufacturing, test and sustainment services specializing in RF systems. Our capabilities include:

- RF design, modeling and simulation
- Mechanical design
- CNC metal work
- Validation and verification testing of designs
- Environmental testing (Temperature, Humidity, Vibration and shock)
- Schematic capture and PCB design
- LRIP with in-house automated assembly machinery
- System level design and integration
- EMI testing

Role in the STE-LTS Opportunity: Sub**DoD Experience**

Since inception in 2000, NuWaves has been supporting the DoD as both a subcontractor and a prime. NuWaves has designed and manufactured hundreds of radios for legacy systems such as:

- TAPETS used at Ft. Bliss
- LATR used at AUTEK, PMRF, SCTTR and VACAPES
- R3 tracking system used at Pt. Mugu
- PMS used at Southern California Tactical Training Range (SCTTR)
- RTS used at MCAS Cherry Point, MCAS Yuma and NAS Fallon

Beyond the radio development and manufacturing, NuWaves is the depot level repair facility for all of the LATR instrumentation components and has performed depot level repairs for the high power T/R module for the TCTS system used by the U.S Air Force, U.S. Navy and foreign military.

NuWaves has also supported the RF design portion of numerous high performance systems for various prime contractors. In addition, NuWaves has been awarded more than 20 SBIR projects for advanced RF solutions.

Our Interest in the Opportunity Stems from...

The ability to provide high performance solutions in support of our military.

Additional information about us and our capabilities

NuWaves also offers an array of COTS RF modules focused on power amplifiers and low noise amplifiers.

END

Pilgrims Group USA

Name: Bill Cheverie

Title: Director of Strategic Growth

Phone: 407-234-6077

E-mail: bc@pilgrimgroupusa.com

My Role in the Company is...

I am a senior leader responsible for execution of NuWaves' strategic intent of providing capabilities to the DoD's training and test ranges.

Our Capabilities

Pilgrims Group USA, LLC (PG USA) is a global risk management, life support, operations & maintenance and training organization. PG USA specializes in the provision of these services in austere, contingency and hostile locations. Pilgrims Group provides these services to both external clientele and internal staff, trainers and contractors who are required to reside and work in these environments.

Role in the STE-LTS Opportunity: Prime or Sub

DoD Experience

We have acted as a sub-contractor with the DoD in the past. PGUSA has already developed a prototype platform which should fulfill the intent of the STE-LTS Statement of Need.

NuWaves has also supported the RF design portion of numerous high performance systems for various prime contractors. In addition, NuWaves has been awarded more than 20 SBIR projects for advanced RF solutions.

END

Powersoft19

Name: Tariq Hussain

Title: Managing Partner

Phone: 4043863843

E-mail: tariq.hussain@powersoft19.com

My Role in the Company is...

I manage business development, practice growth along with directing product teams around business transformation and operational efficiencies.

Our Capabilities

Powersoft19 delivers complex safety-critical embedded solutions to its clients around the world. We have been enabling industrial innovation in the Automotive, Energy, Rail, Gas Detection, Healthcare, and Communications sectors since more than 23 years. With the increasing digitization, we help companies achieve automation by our IoT services, and our tailored cyber security solutions ensure data protection and system security.

Role in the STE-LTS Opportunity: Sub**DoD Experience**

We have delivered one project as a sub-contractor for DoD

Our Interest in the Opportunity Stems from...

It aligns well with our IoT capabilities and experience.

Additional information about us and our capabilities

Powersoft19 was selected to present in AFWERX FUSION 2020. Centered at the heart of this year's event was creating the "Base of the Future" for all of Department of Defense. From couple of thousand submissions from around the world, the top 350+ were selected to participate in the Base of the Future Challenge Showcase. Please review our solutions using the links below:

Armory Management System. > <https://lnkd.in/g78y8Gs>

Augmented Reality Solutions > <https://lnkd.in/gZAjXGQ>

END

RAVE Computer

Name: Cheryl Thoel

Title: Marketing

Phone: 586-939-8230

E-mail: cheryl@rave.com

My Role in the Company is...

Looking into current and upcoming programs for simulation and training, C4ISR, gaming, media and entertainment and more, where the requirements needed can be met with the solutions we offer.

Prospecting for new customers

Our Capabilities

Simulation & Visualization High fidelity simulation hardware solutions built to optimize Live, Virtual and Constructive simulation performance environments ideal for design, modeling and simulation, and analysis software suites.

Direct application in combat tactical trainers, aviation, driver trainers, mobile trainers, and law enforcement.

C4ISR

COTS and custom-engineered computers for C4ISR-related applications ISR Aircraft programs. We have provided computer hardware for over 25 years to a few of these programs

Immersive HMD and compute solutions to power the art of the possible for VR/AR/XR experiences.

Embedded/OEM custom hardware solutions are tailored to meet the needs of customers Simulation & Visualization

Role in the STE-LTS Opportunity: Sub**DoD Experience****US Army**

AVCATT Aviation Combined Arms Tactical Trainer IPDG Upgrade | JPARC-Pacific Alaska Range Complex-JDEWR-Joint Deployable Electronic Warfare Range | ITF-Integrated Threat Force | CFFT-Call for Fire Trainer | MQ-8B Trainer/Simulator | JAVELIN BST-Basic Skills Trainer | ARCIC " Army Capabilities Integration Center, BLSCE-Battle Lab Simulation Collaboration Environment

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US Air Force

JTC TRS Joint Terminal Control Training and Rehearsal System | DIADS " Digital Integrated Air Defense System | MH-53E " Trainer/Simulator MH-60 " Trainer/Simulator | CFTD-Containerized Flight Training Device

US Marine Corps

AH-1W " Trainer/Simulator | AV-8B " Trainer/Simulator | CH-53E-Trainer/Simulator, CFTD-Containerized Flight Training Device | MQ-8B " Trainer/Simulator | JAVELIN BST-Basic Skills Trainer | MV-22 CFTD-Containerized Flight Training Device

Our Interest in the Opportunity Stems from...

With all our experience, as a sub to the prime our experts here at RAVE in computer hardware solutions are what the STE program is requesting in various areas of the program. As a provider, considered a trusted advisor among customer base.

RAVE's Product Development team has a deep technical expertise that allows for custom engineering and testing of our own purpose-built products to suit specific project requirements.

Additional information about us and our capabilities

RAVE Computer is a technology consultant and computer manufacturer providing Commercial Off-The-Shelf (COTS) and custom engineered solutions optimized to specific customer requirements.

From modified standard computer systems to

fully custom integration solutions, our team consults with our clients on a one-on-one basis to provide optimized computer solutions.

Our product engineers have a laser focus on innovation, creating unique systems that are consistently smaller, lighter, faster and optimized for high performance. As a proven technology partner with elite component manufacturers, RAVE previews new technologies prior to launch, providing a key optimization advantage.

There's an intelligent flexibility clients receive from RAVE experts that they simply cannot find with other major manufacturers. Our optimized purpose-built computing solutions integrate world class solutions that empower the digital revolution.

END

Raytheon Intelligence & Space

Name: Harry Buhl

Title: Program Manager

Phone: 321.230.7132

E-mail: harold.buhl@raytheon.com

My Role in the Company is...

Program Manager

Our Capabilities

Raytheon Intelligence & Space delivers the disruptive technologies our customers need to succeed in any domain, against any challenge. A developer of advanced sensors, training, and cyber and software solutions, Raytheon Intelligence & Space provides a decisive advantage to civil, military and commercial customers in more than 40 countries around the world. Headquartered in Arlington, Virginia, the business generated \$14 billion in pro forma annual revenue in 2019 and has 35,700 employees worldwide.

Role in the STE-LTS Opportunity: Unsure**DoD Experience**

Raytheon's Global Training and Logistics business unit in Orlando executes over \$ 1 Billion annually in products and services work for DoD and the Intelligence community. Training is the majority of this annual workload.

Our Interest in the Opportunity Stems from...

For too long, our Soldiers have had to accept unrealistic work arounds that detract from training. Technology is available, and innovation can leverage this technology to bring tough realistic training to Soldiers for battlefield success.

Additional information about us and our capabilities

Raytheon Intelligence and Space
12792 Research Parkway
Orlando, Florida 32826

END

Real-Time Innovations (RTI)

Name: Shannon Martin

Title: Sr Account Manager

Phone: 214-725-0089

E-mail: shannon@rti.com

My Role in the Company is...

Business Development

Our Capabilities

Real-Time Innovations provides Connex DDS, an open standards-based, real-time software connectivity framework for distributed communications. Making applications work together as one integrated system

Role in the STE-LTS Opportunity: Unsure

DoD Experience

Connex DDS reliability, security, performance and scalability are proven in over 1,250 demanding aerospace and defense systems. Connex DDS is an open standards based solution that is TRL-9, and conformant with standards (FACE, SOSA, OMS) called out in the DoD MOSA memorandum.

Our Interest in the Opportunity Stems from...

Connex DDS addresses the challenging communication requirements of Live, Virtual and Constructive simulations for training. A winning proposal will need to prove that it can promote modular systems that can be built and reconfigured dynamically in response to evolving threats. Common wire protocols and APIs should be required for seamless integration and interoperability.

Additional information about us and our capabilities

Real-Time Innovations is looking to team with companies looking to provide a high performant, secure and competitive solution.

END

SimBlocks LLC

Name: Jordan Dauble

Title: Owner

Phone: 407-641-5218

E-mail: Jordan.Dauble@simblocks.io

My Role in the Company is...

My role at SimBlocks.io is to lead business development and technical activities for the company.

Our Capabilities

SimBlocks.io is offering software services for STE LTS as a subcontractor, specializing in the integration of real-time 3D game engines for use in serious training systems by supporting industry standards for synthetic 3D terrains, communication interoperability, and immersive virtual and augmented reality experiences. Our development team is experienced in interactive physics simulations using the C++, C#, and python programming languages.

Role in the STE-LTS Opportunity: Sub**DoD Experience**

SimBlocks.io has participated in government contracting as a subcontractor for DoD projects, as a prime on small-business research awards, and as a participant in the STE One World Terrain prototype. Our highly skilled team would be a great fit to augment complex software development efforts.

Our Interest in the Opportunity Stems from...

The STE Live Training System is exciting because it has the potential to blend live and virtual to provide new types of engagement training experiences .

Additional information about us and our capabilities

<https://www.simblocks.io/>

<https://www.linkedin.com/company/simblocks-llc/>

<https://www.youtube.com/simblocksio/videos>

<https://www.facebook.com/simblocks/>

<https://twitter.com/SimBlocks>

END

Talon Simulators

Name: Brandon Naidis

Title: CEO/Co-Founder

Phone: 407-440-1356 ext 1

E-mail: brandon@talonsimulations.com

Our Capabilities

Talon offers high fidelity mixed reality training systems that are compact and low cost. Talon is passionate about utilizing the latest technology to reduce training time/costs and train the warfighter more effectively in order to save lives and better protect the country.

Role in the STE-LTS Opportunity: Sub

DoD Experience

We have experience selling direct to government (NASA, Air National Guard, Naval Sea Warfare Center, Naval Surface Warfare Center) and have acted as a sub for companies such as Raydon, SAIC, and MEI Technologies

END

Ternion

Name: Mike Cash

Title: CEO

Phone: 256-881-9933

E-mail: mike.cash@ternion.com

Our Capabilities

Ternion produces and sells a commercial, constructive simulation framework called FLAMES.

Role in the STE-LTS Opportunity: Sub

DoD Experience

We have delivered numerous constructive simulations based upon this framework to DoD and customers around the world.

Our Interest in the Opportunity Stems from...

We believe STE-LTS will require a fully integrated live and constructive simulation solution with potential interfaces to virtual simulations.

END

UMKC

Name: Chiming Huang

Title: Instructor

Phone: 816 235-2582

E-mail: huangc@umkc.edu

My Role in the Company is...

Teach, research, and service.

At present, I teach courses in the area of concussion science and technologies. We focus on the detection, diagnosis, and prevention of concussions.

We carry out R&D over concussion science and technologies. We focus on

Our Capabilities

Carry out R&D activities. We currently have the capability to do the following:

1. hardware and software design of devices for the detection and prevention of concussions,
2. field-test the devices and systems for the detection and prevention of concussions.

For example, we currently are laboratory-testing prototypes of head-impact sensors as well as training systems for the prevention of concussions. Plans are being made for field-testing the head-impact sensors as well as training systems for the prevention of concussions in the spring of 2021.

Role in the STE-LTS Opportunity: Unsure**DoD Experience**

We have been supported by DoD on a proof-of-concept project. The emphasis of the project is two fold. They are,

1. hardware and software design of devices for the detection and prevention of concussions,
2. field-test the devices and systems for the detection and prevention of concussions.

Our Interest in the Opportunity Stems from...

We would like to continue and expand our knowledge gained so far in order to better serve the society as well as the military.

Additional information about us and our capabilities

We would like nothing better than an opportunity to work and collaborate with like-minded folks in order to achieve our long-term objectives to further serve the society as well as the military.

END

Off the Cuff

Contact Information for the voice-only presentations (no slides)

- **Organization:** Matrix Games
- **Name:** Jason Jones
- **Title:** Defense Program Manager
- **E-mail:** jasonj@matrixgames.com

- **Organization:** Marathon Targets
- **Name:** Walt Yates
- **Title:** DoD Simulation Expert
- **E-mail:** w.yates@marathon-targets.com



- **Organization:** CyberDream
- **Name:** Sean Pinnock
- **Title:** CEO
- **E-mail:** sean@cyberdreamvr.com

- **Organization:** SA Photonics
- **Name:** Ben Mall
- **E-mail:** b.mall@saphotonics.com

- **Organization:** EBC Electronics
- **Name:** James Sloom
- **Title:** Business Development Director
- **E-mail:** jasonj@matrixgames.com
- **Phone:** 407-350-1322



Next Steps

- Join the STE-LTS teaming board on the NSTXL Community
- Introduce your company on the board
- Continue the conversation with individuals
 - Go to NSTXL Community > teaming board under Groups
 - Select the Members tab 
 - Find the person you want to connect with and press the speech bubble 
 - This will start a private conversation

Final Questions





Thank You

- **Name:** Tara Kilcullen
- **E-mail:** tara@nstxl.org

- **Name:** Cathy Jordan
- **E-mail:** cathy@nstxl.org

- **Name:** Ashley Carter
- **E-mail:** ashley@nstxl.org