

POWER AND ENERGY/POWER MANAGEMENT	High-rate, safe lithium-metal anodes for solid-state batteries with ultra-high energy	Piersica aims to deliver safer batteries for the warfighter with 2x the energy of legacy systems. Our batteries will enable the Army, Navy, Airforce, Space Force, DoD, Coast Guard, FBI or CIA.
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## WEAPONS

BLUF TITLE	BLUF STATEMENT
<p>3P HANDGUN FIXTURE Secure firearm maintenance and repair fixture</p>	<p>Secure firearm maintenance and repair fixture for the 3 most popular polymer handguns , Glock , Smith &amp; Wesson Sigma/M&amp;P series, and Springfield XD models which includes Sig P series of pistols. 3P Handgun fixture produces a work piece securing the slide and frame components of a variety of polymer handguns. But the fixture can be modified to current military issued side arm . The work piece provides a secure attachment for component for repair, modification or other gunsmith related activities without damaging to the components.</p>
<p>Drone SUAV Less-Lethal removable-platform for crowd control and cover/concealment</p>	<p>The tactical use of Chemical irritants (CI) such as pepper spray and CS smoke grenades for riot and crowd control has remained unchanged sense WWII. The innovative Aerial Enforcement Solutions LLC (AES) patented product marries Less-Lethal Technology with Drone SUAV technology revolutionizes the capabilities, efficiency, effectiveness, and safety of less lethal product deployment. The AES drone attachment platform allows the military and law enforcement operators to remotely initiate and dispense chemical irritants from a drone to effectively manage crowds and targets from a safe distance. The AES platform dispenses military and Law enforcement CI smoke grenades and CI sprays used for riot control. This technology also dispenses dense colored smoke (currently used by the military) from a drone for signaling, marking, and cover/concealment movements. This devise is also compatible and designed to attach to ground robots used by military and law enforcement.</p>
<p>Magazine Speed Loader (Patented)</p>	<p>Magazine speed loader designed to store rifle rounds securely and load them quickly. The speed loader installs over the magazine and designed to load magazine with stored rounds in 5 seconds with one downward push. Currently the 10 round loader is 3D printed/prototyped and will store 10 rounds of 5.56, matching current stripper clip quantity. Designed to be filled with rounds and stored, ready to be charged in one push or used to load loose rounds vs thumb method. Scalable to any caler or rounds. Currently in design of the 30 round 5.56 version.</p>
<p>SUBSONIC AMMUNITION – BLACK STRIPE AMMO, LLC (BSA)</p>	<p>BSA produces subsonic small-arms ammunition in the following calibers: .308 NATO (7.62 x 51mm), 5.56 x 45mm and 7.62 x 35mm (300 Blackout). All calibers can achieve groupings under 1.5 MOA (“Minute of Angle”), meaning that our rounds would all impact a 1.5inch square at 100 yards. BSA employs exceptional case processing procedures and uniquely designed, all copper projectiles. Our hand loading and quality assurance processes along with customization of each cartridge to a specific weapon ensure an accurate and consistently performing product.</p>

Shadow Mount	The M240/M249 Shadow Mount is a quick release mount for medium duty machine guns. The mount is effective on both ground and aerial military assets. BlackBridge Defense has developed a lighter, quicker, and more intuitive weapon mount. The mounts features include a significant weight reduction, rounds remaining counter, single pin quick release mounting pin, elevation lock out pin, ratchet strap integrated into the ammo can compartment to secure, and a fully adjustable single use ammo compartment for M240/M249 feed tray alignment.
Deep Concealment Weapons Holster Garments	Deep concealment in modern clothing is a challenge. While gun manufacturers and defensive tool companies have continued to innovate, most holster companies are outdated. For most applications bulky holsters that belong on a duty belt do not conceal well and do not work with concealed carry or deep cover wardrobes. Dene Adams designs innovative deep concealment compression garments with hard trigger protection, quick access and breakaway retention. These holster compartments are fixed in strategic positions on the body for maximum concealment and comfort. Carry your firearm, extra magazines, a knife, handcuffs or flashlight with no change in wardrobe.
Patent-Pending UL7 Ballistic Insert  (One-Way Proactive Ballistic Assembly)	This patent-pending technology is a one-way ballistic assembly that enables a defender to shoot an assailant through the ballistic assembly with deadly force or disabling effects, while it simultaneously stops the assailant's bullets from passing through to the defender's side of the same assembly. This ballistic assembly is a modular design and can be configured for various sizes and applications. This technology is TRL 8 and addresses the DoD needs for counter-terrorism and UFC/ISC security of DoD facilities. Proactive Ballistic Systems, LLC is seeking a fully-operational demonstration of the UL7 Ballistic Insert (ballistic assembly) using its complete field-test simulation structure at a location determined by the DoD, which will demonstrate TRL 9, as well as SBIR funding for further Research and Development for UL752 Level 8 standard.
PyroNemesis Air Striker	Drawing on 30 years as a special effects pyrotechnician for stars including Tom Cruise, Steve Wolf invented a new technology for wildfire suppression. The ground-based jet engine powered system delivers fire retardant to places inaccessible to fire trucks and airplanes, and is being commercialized through his start-up, PyroNemesis.
Multi-Caliber Flexible Rifle Platform	In the ever-changing world of firearms, ballistics and ammunition, we believe in building the most versatile small arms platform to empower the members of the military and law enforcement. Using simple barrel and trunnion combo change-outs, our firearms have the ability to use multiple calibers based on mission needs. This cost-effective weapon can operate under the harshest conditions on the planet based of its unique arms parentage.

Farmer Weapons Accountability System	This technology is a revolutionary way of organizing the administrative part of daily operations, minimizing the amount of missed appointments, and ultimately saving the military millions of dollars as the recurring cost of missed firing appointments is eliminated. It can store military weapons information, appointment information, alert supervisors of upcoming scheduling conflicts, improve appointment management, and keep the commander informed of all scheduling activities from this easy to use application. The F.W.A.S can also be used for other types of frequently missed appointments such as PT tests, medical appointments, and job qualification appointments.
Attachable Interactive Modular Shooting System	Trigger Interactive is currently under development of A.I.M.S.S., the Attachable Interactive Modular Shooting System. A.I.M.S.S. is a portable system of wireless smart target attachments that mount to any type of steel firearm targets and allows the targets to interact with a shooter. Controlled by a smartphone app, A.I.M.S.S. delivers complex and dynamic training scenarios while shooting real weapons, with live ammunition, at real targets. By separating the electronics from proprietary targets, our patent pending system delivers a superior portable, realistic, analytic, and cost-efficient method for live-fire weapons training compared to current market options.
Oil Lubrication for Fire Arms and Tactical Training Glasses	Oil) TruRecoil is 100% Synthetic oil designed to keep the fire arm shooting 100% of the time. Glasses) REV Glasses, controlling how much of the target one can see, thus improving Balance, Target Acquisition and Depth Perception.
High Energy EMP Directed Energy Rifle	Electronics on the battlefield today is the norm. Disabling the enemy electronics will put our soldiers on the advantage. We have a shoulder fired portable electric pulse rifle that can disable the enemy electronics providing a strategic advantage to our soldiers.
Ballistic Rated Strobe Training Glasses	REV Glasses, Controlling how much of the target one can see, thus improving Balance, Target Acquisition and Depth Perception.  Use in Live Fire Training, Simulate Smoke for Firefighter Training, Flight Simulators