MORE THAN JUST EQUIPMENT

ADSINC.COM | 800.948.9433
SERVING THOSE WHO SERVE

BECAUSE EVERY HERO DESERVES TO COME HOME
BRING US YOUR MISSION.
WE’LL TAKE CARE OF THE REST.
ADSINC.COM

Who We Serve:
- U.S. Department of Defense
- Federal, State & Local Agencies
- U.S. Partner Nations
- Defense Contractors
- Protective Services Organizations
- Humanitarian Organizations

What We Offer:
- Equipment & Kitted Solutions
- Procurement Support
- Program Management
- Logistics Support
- Kitting & Assembly
- Packaging & Engineering
- Warehousing & Transportation

How We Do It:
Finding the right products and services is only part of the solution. No matter where your requirement is in its life cycle, ADS can help.

ADS, Inc. provides equipment, procurement, logistics, and supply chain solutions. We offer access to the largest selection of **products and services**, the broadest array of **procurement and contract options**, as well as **world-class expertise and support** to assist you—every step of the way.

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CustomerCare@adsinc.com

ADS is a Small Business
- **NAICS Code**: Classified under 70+ NAICS codes
- **DUNS**: 027079776
- **CAGE Code**: 1CAY9
- **Federal Tax ID**: 54-1867268

24/7 CUSTOMER CARE +1 800.948.9433
These are just a few of the issues you face when procuring equipment and services.

Through thousands of long-standing supplier relationships, ADS quickly finds and delivers your equipment. We’re known for collaborating with defense industry suppliers to design custom solutions. If you don’t see what you’re looking for, just ask.

ADS is the only company I can count on to acquire the items we need at a reasonable price and in a timely manner.”

— Assault Craft Unit ONE (ACU 1)
THERE’S A KIT FOR THAT

ONE NAME | ONE PART NUMBER | ONE PROCUREMENT SOURCE
Kits simplify inventory control and accountability, while also providing security, standardization, and reduction in procurement costs. Our solutions-driven kitting approach ensures all your equipment is organized and protected in one, easy-to-handle package. From large-scale kitting programs for Maintenance, Repair, and Operations (MRO) to unit-level requirements for combat support missions, our past performance speaks for itself.

### Kitting Programs of Record

**U.S. Army Gen III Extended Cold Weather Clothing System (ECWCS)**
- Contract Length: 5 Years
- Volume-Delivered: 1,101,220 Tops & 1,101,118 Bottoms

**U.S. Army Fire Resistant Environmental Ensemble (FREE) Kits**
- Contract Length: 5 Years
- Volume-Delivered: 125,000 Kits

**U.S. Army Firefighter Individual Requirements Equipment Sets (FIRES) Kits**
- Contract Length: 5 Years
- Volume-Delivered: 873 Firefighters; 130 Containers

**U.S. Marine Corps Shoulder-launched Multipurpose Assault Weapon (SMAW MOD 2) Kits**
- Contract Length: 5 Years
- Volume-Delivered: 167 (started September 13, 2017)

**U.S. Army Family of Boats and Motors (FOBAM) Kits**
- Contract Length: 5 Years
- Volume-Delivered: 129 P4.7 Boats, 238 P5.8 Boats, 557 Motors

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We appreciate and are very impressed with the attention to detail and work hours you and the ADS team have put into this project. Shipping over $2M worth of electrical items to many different locations around the USA is no easy task. Our units have expressed how happy they are with the inventory and pictures on each kit.”

— **Tool Product End Item Manager**

Supply Support Branch for Naval Facilities (NAVFAC) Engineering and Expeditionary Warfare Center (EXWC)
MOVING YOUR REQUIREMENT FORWARD

WE SIMPLIFY THE PROCUREMENT PROCESS | ADSINC.COM/CONTRACTS
### ADS can...

- Help you select quality, cost-effective equipment
- Guide you through one of our 50+ procurement options
- Commit to on-time, on-target delivery
- Develop custom kits

### DLA’s Tailored Logistics Support Program (TLSP)

**We Work With DLA Every Day.** ADS is a participating vendor in both the Special Operational Equipment (SOE) and the Fire & Emergency Services Equipment (F&ESE) DLA TLS Programs. These dynamic DLA contracts offer all military services and federal agencies access to the latest commercial off-the-shelf equipment, services, and training.

- Easy to use, streamlined acquisition process
- On-time deliveries and dedicated customer support
- Managed with strict government oversight under an audit ready process with coordination between your finance office and DLA
- All orders are processed using MILSTRIP requisitions or Military Interdepartmental Purchase Requests (MIPRs)

**TIP:** Since funding isn’t tied to the transaction until you agree to the final price and send back your MIPR/MILSTRIP, you can submit your order without having any obligation to spend.

### GSA Schedules

GSA Advantage is the federal government’s premier online shopping superstore, giving federal agencies access to millions of pre-negotiated products and services.

- ADS holds multiple GSA Contracts, offering 20,000+ products and professional services from 150+ suppliers
- Competitive, market-based pricing leverages the buying power of the federal government with the ability to negotiate further discounts at the order level
- Tailor orders to get what you need by customizing terms and conditions
- E-tools give quick and easy access to industry partners and help customers maximize competition

### FedMall

FedMall is an e-commerce ordering system for DoD, Federal, State, and authorized local agencies to acquire products from commercial suppliers.

- ADS’ FedMall product catalog has 3,500+ products from 200+ suppliers
- Easy-to-use point, click, and ship system
- Order management features include shipping notices, tracking information, and the ability to ship to multiple locations
- Use Government Purchase Card or MILSTRIP requisitions to easily fund your purchases

> Working with ADS and utilizing the DLA TLS Program has truly been easy compared to the usual contracting procedure. ADS supports each request from ‘cradle to grave,’ ensuring we are updated as each step of the TLS Program occurs.”

— S-3 Division Leading Chief Petty Officer

U.S. Navy
TWO DECADES OF PROVEN PERFORMANCE

IF THE RIGHT SOLUTION DOESN’T EXIST, WE’LL CREATE IT
OUR HISTORY OF SUCCESSFULLY EXECUTING ON FEDERALLY-FUNDED PROGRAMS AND CONTRACTS SPEAKS FOR ITSELF

2000
- DLA Marine, Lifesaving, Diving, and Search and Rescue Prime Vendor
  - DoD and Other Federal Agencies

2004
- Law Enforcement and Emergency Response GSA Schedule 84
  - Federally-Funded Agencies

2005
- DLA Special Operations Prime Vendor Equipment
  - DoD and Other Federal Agencies
- DLA FedMall (formerly DOD eMALL) Online Marketplace
  - DoD and Other Federal Agencies

2006
- Marine Corps Shoulder-launched Multipurpose Assault Weapon (SMAW)
  - U.S. Marine Corps

2008
- DLA Fire and Emergency Services Equipment (F&ESE)
  - Tailored Logistics Support Program (TLSP)
  - DoD and Other Federal Agencies

2009
- DLA Fire Resistant Equipment Ensemble (FREE)
  - U.S. Army

2010
- Firefighter Individual Requirement Equipment Set (FIRES)
  - U.S. Air Force

2011
- Hardware Superstore GSA Schedule 51v
  - Federally-Funded Agencies

2012
- SPAWAR COTS Intelligence, Surveillance, Reconnaissance Support Equipment
  - DoD and Other Federal Agencies
- DLA Electronic Medical Catalog (ECAT)
  - DoD and Other Federal Agencies

2013
- Army Family of Boats and Motors (FOBAM)
  - U.S. Army
- DLA Heavy Equipment Procurement Program (HEPP)
  - DoD and Other Federal Agencies

2014
- DLA AFRICOM Maintenance, Repair, and Operations (MRO)
  - DoD and Other Federal Agencies

2015
- Marine Corps Shoulder-launched Multipurpose Assault Weapon (SMAW)
  - U.S. Marine Corps
- DLA EUCOM Maintenance, Repair, and Operations (MRO)
  - DoD and Other Federal Agencies
- Basic Expeditionary Airfield Resources (BEAR) Kitchens
  - U.S. Air Force

2016
- Modular Handgun Holster (MHH)
  - U.S. Army

2017
- Sets, Kits and Outfits (SKOs) Assemblies
  - United Army Medical Materiel Agency (USAMMA)
- Force Sustainment Directorate (FSD)

SEE MORE PROGRAMS AT: ADSINC.COM/PROVEN-PERFORMANCE
Reliable communication and real-time situational awareness can neutralize threats, but it requires cutting-edge technology. With best-in-class equipment, the warfighter can track troop movements in real time on today’s battlefield. First responders arriving to active shooter situations can coordinate efforts between federal, state, and local police as well as inform healthcare professionals of inbound casualties. A small task force can relay updated battlespace information to the control center as they encounter it. A SWAT ground team can direct snipers to a corrected location.

In an ever-changing environment, ADS stays abreast of communication and technology trends to provide our customers the very best equipment for the most complex operational challenges.
MORE THAN JUST RADIOS

50+ WAYS TO BUY
SEE PG 9 FOR DETAILS
In today’s fast-paced and fluid OPTEMPO environments, information is critical to success on the battlefield.

Real-time actionable data minimizes risk to frontline military personnel and increases mission readiness. From Satellite Communications (SATCOM) to tactical radios, ADS works with suppliers to offer a wide variety of unique solutions to enhance every aspect of communication and connectivity across the C4ISR topography.

ISR & SENSORS

Providing situational awareness to Federal Law Enforcement and DoD personnel in the field is critical to neutralize threats.

Demanding operational environments require highly automated systems and the latest technology. Real-time video and surveillance showcase a comprehensive operating picture to end users while new ISR assets streamline previously redundant manual searches with on-demand actionable intelligence to decision makers in the field.

Unmanned Aircraft Systems (UAS)
Counter-UAS technology
Aerostats
Surveillance & perimeter security
Today’s warfighters and frontline personnel must leverage best-in-class C2 technologies to execute mission assignments based on a range of real-time disparate data. The dissemination and presentation of this information is mission critical. Having the right tools—from software to hardware—is essential to push and pull data across the communication infrastructure, allowing for timely and precise decision making.

**COMMUNICATION**

Internet-connected devices tuned for battlefield operations require high-speed data and near-perfect connectivity—certainly under enemy jamming, hacking, and offensive attacks.

High-capacity satellite systems allow users to send orders, receive reports, and even teleconference with troops on the ground. SATCOM terminals provide troops access to reach anyone from anywhere.

- Land mobile devices
- Secure tactical systems
- SATCOM
- HF & LTE
- MESH network

**COMMAND & CONTROL**

Today’s warfighters and frontline personnel must leverage best-in-class C2 technologies to execute mission assignments based on a range of real-time disparate data.

The dissemination and presentation of this information is mission critical. Having the right tools—from software to hardware—is essential to push and pull data across the communication infrastructure, allowing for timely and precise decision making.

- Tactical Operation Centers (TOC) suites
- Rugged systems & displays
- Storage & networking
- Client devices
UAS: SEE, ANALYZE & ACT ACCURATELY

Unmanned Aircraft Systems (UASs), commonly referred to as drones, have demonstrated their value in combat operations on today’s battlefield. Increasingly, drones and drone technology have become ubiquitous in a multitude of roles.

Emergency Response and search and rescue professionals are using drones as a faster way to survey accidents, fires, and natural disasters to look for missing persons and provide range extensions for tactical operations in remote areas. Law enforcement is using drones as the safest and quickest way for police to react to active shooter incidents where blind corners and hiding spots create a difficult terrain. They’re also being used by federal agencies in crime scene analysis, criminal search, and high-priority facility, infrastructure, and venue monitoring.

As drone availability, affordability, and technology continues to surge, ADS remains an agile force of research, development, and acquisition to connect customers with the best UAS solutions to meet their requirements.

FULL SPECTRUM OF UAS SOLUTIONS

ADS offers a full spectrum of unmanned systems, from nano to long-range, allowing users to respond to challenges that lie ahead quickly and safely.

**GROUP 1**
- Max Weight (lbs): 20
- Endurance (hrs): 3 - 6
- Operating Altitude (ft): 2000 AGL
- Launched by hand, rail, VTOL, or a combination

**GROUP 2**
- Max Weight (lbs): 55
- Endurance (hrs): 8+
- Operating Altitude (ft): 3,500 AGL
- Launched by rail, bungee, VTOL, or a combination

**Performance Drone Works’ (PDW) Manual UAV Pilot Training Course** is designed to give elite military operators functional competency in the safe operation and effective piloting of high-performance manual UASs. The course includes classroom instruction, drone manufacturing, simulator flight, and practical drone flying experience.

**NANO**
- Max Weight (lbs): 1
- Endurance (hrs): 0.20
- Operating Altitude (ft): 0-100 AGL
- Above Ground Level (AGL)
- Hand Launched

**QUAD**
- Max Weight (lbs): 10
- Endurance (hrs): 0.5 - 2
- Operating Altitude (ft): 2000 AGL
- Hand Launched

**FLIR Black Hornet RPS**

**AeroVironment Raven (RQ-11)**

**Lockheed Martin Indago**

**Insitu ScanEagle**

**WHETHER YOUR MISSION REQUIRES A CUSTOM UAS SOLUTION OR A RETROFIT TO THE LATEST TECHNOLOGY, ADS’ EXTENSIVE LIST OF ELECTRO-OPTICAL (EO) AND INFRARED (IR) PAYLOAD SYSTEMS MEETS YOUR ISR NEEDS.**
UAS COUNTERMEASURES

The proliferation of drones in the hands of private operators, organizations, and unfriendly nations has spurred the development of anti-drone systems that are versatile, scalable, and available immediately.

As there isn’t a single drone technology, countering both commercial and military drone technologies requires a layered approach. When combating obtrusive UASs, users need access to a full spectrum of counter systems that:

- Snatch drones out of the air
- Trap drones inside invisible fences or nets
- Break communication between drone and controller via directional jammer
- Electronically attack drones—making them fall from the sky

ADS’ vendors offer purpose-built solutions used by military, law enforcement, prison, and physical security personnel to protect military installations, control posts, critical infrastructure, prison facilities, and public gathering venues.

ENHANCING LEGACY WAVEFORM TECHNOLOGY

The Army Integrated Tactical Network (ITN) provides line-of-sight (LOS) and beyond line-of-sight (BLOS) communications and information sharing through voice, data, position-location information, video, etc. ITN uses a series of connected and redundant networks while leveraging commercial solutions for secure communications. With that, it remains extremely challenging for deployed soldiers to communicate and network with each other, command authorities, and coalition partners—in both permissive and non-permissive environments.

MISSION COMPLETED

ADS leveraged its ability to field rapidly emerging technology to merge products from multiple suppliers and integrate them seamlessly with legacy systems. The enhanced solution now features:

- TrellisWare Technologies, Inc.’s Mobile Ad-hoc Networking (MANET)
- ViaSat’s Tactical Data Link
- Satellite communication
- Communications integration capabilities
- Thales Group’s multi-channel tactical radio capabilities
- CyPhy Work’s tethered UAS technology

ITN architecture provided seamless integration between the latest technology and existing secure waveforms, such as the Soldier Radio Waveform and Adaptive Networking Wideband Waveform, allowing immediate communication with anyone, anywhere.
Base camps enable power projection by supporting boots on the ground in austere environments for extended periods of time. ADS understands the importance of scalable expeditionary camp solutions when it comes to distributed operation requirements.

We provide rapidly deployable, turnkey, scalable camp solutions with the broadest selection of quality equipment, efficient procurement, and cost-effective support solutions.

**IN THIS ISSUE**

- **PG 24** SHELTER TECHNOLOGY
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- **PG 26** MICROGRID POWER SYSTEMS
- **PG 27** SOLDIER-BORNE POWER ON THE BATTLEFIELD

**THERE'S A KIT FOR THAT**

**One Name:** Power Anywhere Recharging Kit  
**One Part Number:** Call 800.948.9433 for 24/7 Support  
**One Procurement Source:** ADS, Inc.

Military customers needed an integrated system to charge cordless tools or Commercial off-the-Shelf (COTS) equipment in any environment — without the use of a generator. ADS developed a solar powered battery charger kit, custom-fitted inside a Pelican case, to reduce a forward deployed unit’s footprint, fuel consumption, and overall costs.
MORE THAN JUST SHELTERS

50+ WAYS TO BUY
SEE PG 9 FOR DETAILS

ENVIRONMENTAL SUPPORT

POWER SYSTEMS

RIGID WALL SHELTER SYSTEMS

STRUCTURAL INSULATED PANEL CONSTRUCTION
BRIDGING TEMPORARY TO SEMI-PERMANENT BATTLESPACE REQUIREMENTS

U.S. military planners are adept at securing and completing operational objectives, often leading to a sense of campaign completion. Operational plans frequently move quickly from Phase I through Phase III—Deterring the Enemy, Seizing the Initiative, and Dominating the Enemy. But Phase IV and V, Stabilizing the Environment and Enabling Civil Authority, regularly extend force engagement, driving the need for semi-permanent and enduring shelter solutions.

ADS works with industry partners to develop innovative shelter solutions that offer lower costs and shorter mission downtime when transitioning from a temporary to semi-permanent shelter.

- Provide environmental protection
- Improve quality of life
- Increase energy efficiency: R-values
- Enhance mobility: Portable structures

CUSTOMIZED, PORTABLE MEDICAL CARE SOLUTION

A National Guard unit, comprised of part-time citizen soldiers tasked to function as more of an operational force than a reserve, was outsourcing Periodic Health Assessments (PHA) to contractors and civilian groups. This proved to be both expensive and inefficient—they incurred travel-related expenses sending soldiers to off-site care facilities even though they had medics trained in PHA standards and protocols on-site.

MISSION COMPLETED
ADS, Inc. and BERG worked together to outfit the National Guard unit with E2S2 expandable shelters and 20' Conex non-expandable shelters, each designed to provide care to 500+ soldiers. The adoption of BERG purpose-built shelter systems resulted in tremendous cost, time, and resource savings—freeing up budgetary funds to invest in additional medical and dental requirements.
Saab Barracuda’s Ultra Lightweight Camouflage Net System (ULCANS) with SWIR defeat capabilities in arctic, reversible, aviation, and urban variants conceal your most important tactical command and control assets.

**CAMOUFLAGE: THE TACTICAL ADVANTAGE**

Military services constantly seek to make command posts and warfighting platforms more survivable with advanced signature management. Simultaneously, U.S. adversaries invest in surveillance assets with the ability to find and destroy military assets.

Advanced multispectral camouflage solutions are critical to mission success, preventing U.S. Armed Forces from becoming identifiable targets through multiple surveillance methods.

ADS works with industry leading manufacturers to create the most advanced signature management camouflage system solutions. We understand services must manage the movement of tactical equipment between differing Prescribed Operational Environments (POE) where color schemes are critical to tactical concealment.

**MOBILE CAMOUFLAGE SYSTEMS (MCS)**

Stryker Regiments within the U.S. Army’s 2nd Cavalry Regiment (2CR) needed to relocate tactical gear and equipment between theaters with different camouflage and concealment schemes. This required painting equipment to match the color scheme of each rotation—an expensive, time-consuming task.

**MISSION COMPLETED**

ADS provided the Mobile Camouflage System (MCS) and enhanced multispectral camouflage solutions, negating the need for painting gear and equipment while decreasing detection when vehicles are most vulnerable.

**CAMOUFLAGE NETTING REDUCES SOLAR LOADING AND POWER CONSUMPTION ALLOWING USERS TO MAINTAIN AND EXTEND OPERATIONS FOR LONGER PERIODS OF TIME.**
**BASE CAMP POWER CONSUMPTION**

Warfighters are facing more complex enemy offensive operations that threaten FOB and combat outpost resupply, cutting off bases for days or weeks at a time.

To ensure critical communication and medical equipment remain online, U.S. European Command (EUCOM) customers required improved fuel consumption and more efficient power production. Commanders were using generators at every tent to provide electricity. This method ensured consistent power but resulted in oversized generators operating inefficiently at less than 50 percent of their rated load.

**MISSION COMPLETED**

ADS worked with Barbaricum to perform a year of data logging on a base camp in the EUCOM area of operations. Working closely with the customer, ADS sourced a base camp configuration designed to serve 800 soldiers with billeting, hygiene, dining, and MWR facilities. ADS and Barbaricum then captured and analyzed a year of base camp testing and evaluation data to develop a model for sizing the right power generation components for forward deployed warfighters.
THE FUTURE OF ENERGY EFFICIENCY

Technology designed to improve situational awareness on the battlefield has increased a Marine rifleman’s power burden by 40 percent. An Army infantryman has a power requirement of up to 2kW for the communications equipment he carries. The search is on for batteries that provide a power density of 1,000 Wh/kg.

Carrying nearly 20 pounds of batteries on a 72-hour mission increases the physical burden on today’s warfighter. The solution for lightening this load lies in more powerful batteries, portable chargers, and the ability to harvest solar power or cannibalize battlefield sources.

Bren-Tronics is a battery manufacturer that has increased the energy capacity of the BB-2590 by 26 percent over the standard NSN offering. Their small, foldable chargers slip into an assault pack or MOLLE pouch and can fully charge a BB-2590 in as little as 90 minutes. Power sources are only limited by the surrounding environment.

Generators and power storage systems can be brought into the battlespace, if supported by tactical or combat vehicles. Flex-fuel generators can burn any fuel and generate 1,000 to 5,000 watts of clean, reliable power. Larger battery storage systems provide silent watch capabilities, reducing enemy force detection, and extending operations.

SOLDIER-BORNE POWER ON THE BATTLEFIELD

The Navy continues its pursuit to reduce energy consumption on the high seas and in port by replacing fluorescents with LED light fixtures. The fleet has purchased 400,000+ lamps in the last three years.

ADS holds two IDIQ contracts to support LED upgrades, including the Navy’s shipboard berth light—a six-inch plug and play replacement. The use of solid-state lighting provides a clear, less potent light that relieves eye strain and improves mood while reducing power consumption both underway and when connected to pier power.

SOLID-STATE LIGHTING

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FEDMALL, SERVMART, AND THE TLSP SOE TENTS CONTRACT CAN BE UTILIZED TO PURCHASE LED LIGHTING FOR SHIP AND SHORESIDE FACILITIES.
When it comes to Maintenance, Repair, and Operations (MRO), ADS offers the best tools, vehicles, construction and safety equipment, as well as the proper storage.

Let ADS track down the right equipment for your mission and pair it with the best storage solution so your investment remains mission ready—and in the right hands.

THERE’S A KIT FOR THAT

One Name: Tools, Equipment & Kitting (TEK) Solutions - Carpenter’s Kit
One Part Number: Call 800.948.9433 for 24/7 Support
One Procurement Source: ADS, Inc.

The TEK Carpenters Kit is customizable and comes pre-configured with up-to-date carpentry hand and power tools. In Accordance With (IAW) military mission requirements, this state-of-the-art tool kit allows a four-person crew to execute basic builder construction, including: setting elevations, forming, framing, roofing, sheeting, and other general carpentry tasks.
MORE THAN JUST VEHICLES

50+ WAYS TO BUY
SEE PG 9 FOR DETAILS

CORROSION MITIGATION

STORAGE SOLUTIONS

VEHICLES & HEAVY EQUIPMENT

24/7 CUSTOMER CARE +1 800.948.9433  31
In order for operational equipment to be stored for long periods of time yet be rapidly deployable and then effectively operate when called upon, it must withstand common storage challenges. Among these challenges are harsh environmental conditions that lead to rust, corrosion, dry rot, mildew, and mold.

Hard shelters, soft shelters, container systems, and tarps are a few of the ways operational equipment—such as vehicles, tanks, weaponry, tools, parachutes, and white gear—are currently being stored long term, offering varying levels of protection from the elements.

For more frequent use, protective covers offer short-term storage that helps protect assets from the following issues:

- Mold and corrosion
- Coating system deterioration due to UV and abrasion
- Equipment electronic failure from corrosion and excessive heat damage
- Airborne particulates that cause corrosion and sand damage

**Plank Road Technologies LOC System** is a portable system that reduces oxygen, removes humidity, and reduces particulates (the factors that cause corrosion) inside the SecurePac during storage and transportation. Their **SecurePac** is a durable, reusable, airtight covering that fully encapsulates equipment.
Mission critical equipment is only as good as its storage, which is why ADS delivers diverse storage solutions that:

- Protect assets
- Increase accountability
- Maximize space
- Improve operational efficiency

We work with top suppliers to properly organize and store assets while maintaining workspace and readiness for everything from armory storage to clinics.

**Spacesaver’s Universal® Weapon Rack Storage System (UWR®)** is ready to securely store a variety of weapons from rifles to side arms, and gear bags to optics, all utilizing the same cabinet frame. This ability to store multiple weapons in one system, and do so without the need to disassemble or zero the weapon, enhances operational readiness.
ADS’ years of technical and contracting experience lends itself to researching, innovating, and developing adaptive solutions to fulfill warfighters aviation requirements.

**Phase Maintenance Kits, Hardware Tracking & Organization Tools**

When it comes to aviation maintenance and ground support, turn times are key. ADS’ tailored kitting solutions improve parts reliability, reduce maintenance cycle time and costs, and improve mission readiness while meeting demanding production schedules. Just as important to maintaining the aircraft, eliminating foreign object debris (FOD) is paramount. ADS offers durable, reusable, and time-saving tools that organize and control nuts, bolts, screws, and fasteners for small to large mechanical repairs.

**Complete Tool Control Sets**

These aviation maintenance and ground support tool control sets include the tools themselves, die cut custom foam inserts for each drawer, and a toolbox—allowing for maximum organization and FOD reduction. The tools have been hand-selected by ADS with input from customers in the military and industry.

**3D Additive Manufacturing Maintenance Capability**

ADS recognized a need for providing the military with the means to manufacture replacement parts to legacy systems. Additive manufacturing offers the military a way to produce obsolete or time-sensitive repair parts for advanced vehicles and military systems. This innovative integration with existing COTS items allows for direct manufacturing of parts from 3D CAD files, eliminating the cost and time involved in tooling.

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**MQ-9 REAPER AVIATION GROUND SUPPORT EQUIPMENT**

General Atomics’ MQ-9 Reaper UAV faces extreme elements when utilized during in-flight operations. Finding an integrated environmental control unit (ECU) that met the unique heating and cooling requirements presented a challenge for the MQ-9 manufacturer and the U.S. Air Force.

**MISSION COMPLETED**

ADS worked with Air Rover to design and manufacture an integrated Flight Line Ground Support ECU capable of operation from -30 to 150 degrees with low ambient control. This one-of-a-kind solution was tailored to the specific needs of the MQ-9 and the invaluable technology it encompasses. USAF’s Medium Altitude UAS Division was able to quickly and easily procure the product with the help of ADS.

Air Rover’s Environmental Control Unit (ECU) is a one-of-a-kind solution designed specifically to meet the USAF needs of the MQ-9 and the invaluable technology it encompasses.
FEEDING THE MASSES

Whether responding to a domestic emergency or providing hot meals for warfighters in the field, using closed combustion heat exchangers is the future of on-the-move cooking.

- Safer—no open flame that can cause excessive heat and carbon monoxide exposure
- More efficient and economical
- Reduced energy consumption

Babington Technology’s FlexFire™ Burner is a D/C powered, enhanced version of the Airtronic that enables new, off-grid sustainment capability for heating, cooking, and sanitizing appliances. It combines the signature clean fire and multi-liquid fuel capability of the Airtronic with reduced electrical demand.

When the Air National Guard needed a rapidly deployable feeding capability for emergency responses, Babington Technology’s Disaster Relief Mobile Kitchen (DRMKT) provided a solution capable of preparing up to 8,000 meals per day that runs on just 2.8 kilowatts—1/10th of the amount of electricity required for a single commercial griddle.

MISSION COMPLETED

An innovative strategic partnership allowed ADS to provide a unique solution for the challenges facing the 90th Ground Combat Training Squadron in Camp Guernsey, WY. The unique Wyoming terrain and climate posed special fire challenges. To help combat these challenges, ADS teamed with a top vehicle outfitter to produce specially designed firefighting UTVS. Each machine included water storage, high pressure pumps, hoses, and a foam system.

VEHICLE INTEGRATION & ACCESSORIES

Whether it’s a Utility Vehicle for Airfield Damage Repair, Mobile Maintenance on the flight line or in the field, or for Tactical Operations, ADS can meet your mission’s requirements.

- All-terrain vehicles
- Forklifts & heavy equipment
- Construction vehicles
- Support & utility vehicles
- Vehicle accessories
First responders and warfighters need easily accessible, quality medical equipment when reacting to a variety of scenarios.

ADS’ dedicated experts identify the best combination of equipment and supplies for your mission, pairing them with realistic medical training and simulations to give you an edge up on real-world situations.

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**THERE’S A KIT FOR THAT**

One Name: Stop the Bleed: Active Shooter Incidence Response Kit

One Part Number: Call 800.948.9433 for 24/7 Support

One Procurement Source: ADS, Inc.

ADS’ Stop the Bleed kits allow bystanders to stop significant blood loss during an active shooter incident. Through a joint partnership, ADS integrated a trauma kit and automated external defibrillator (AED) into a user-friendly first responder kit to provide the same quality of care as an EMT or a paramedic. During a tense rescue, both experienced and first-time rescuers can save a life.
MORE THAN JUST **SUPPLIES**

50+ WAYS TO BUY

SEE PG 9 FOR DETAILS

**FACILITIES & SUPPLIES**

**SIMULATION & TRAINING**
EXTRICATION

When downrange, casualty survival relies heavily on the ability to move patients tactically and safely. In today’s operations, servicemembers are trekking to locations not easily accessible by vehicles—making extrication even more difficult. Whether its first responders completing a structure extrication or warfighters downrange completing an air extrication, having a versatile, rapidly-deployable, and easy-to-carry evacuation device is crucial. The future of extrication is smaller, lighter equipment that servicemembers and first responders can carry for long periods of time in any environment.

TACTICAL COMBAT CASUALTY CARE (TCCC) DOD REQUIREMENT

When it comes to getting ready for real-world missions, effective training saves lives. This is why all DoD military personnel and the Civilian Expeditionary Workforce are required to be certified in TCCC—a battlefield-appropriate casualty care based on injury patterns of previous conflicts. This approach, per an April 2018 Assistant Secretary of Defense Health Affairs memorandum, focuses on treating the three primary causes of death on the battlefield.

Uncontrollable hemorrhage
Airway compromise
Tension pneumothorax

Training Solutions

Strategic Operations’ (STOPS) Hyper-Realistic™ TCCC course introduces evidence-based, life-saving techniques and strategies for providing the best trauma care on the battlefield, under the auspices of the Prehospital Trauma Life Support (PHTLS) program. It’s the only TCCC course endorsed by the American College of Surgeons and can be completed at STOP’s state-of-the-art facility or through mobile training support teams with custom programs available for as few as 14 students. The training utilizes moulage kits and cut suits, allowing trainees to cut various body parts with a blood distribution system.

Raytom Group’s TCCC-AC (TCCC for All Combatants) two-day course can be highly tailored to meet your agencies tactical medical needs, whether its employing live-fire scenarios, night operations, or syncing to existing standard operating procedures.

Matlock’s R-Lift System deploys in seconds, weighs 6.5 pounds, and boasts a maximum load carrying capacity of 400 pounds.

Mat Sled’s® 36 Vertical Lift Rescue System deploys in 60 seconds, weighs less than 20 pounds, and enables vertical or horizontal lift with an integrated hoist system that’s rated at 9,000 pounds.
JOINT TRAUMA SYSTEM (JTS) LIFESAVING MATÉRIEL (LSM) DOD REQUIREMENT

JTS provides an evidence-based process improvement for trauma and combat casualty care, driving morbidity and mortality to the lowest possible levels, per an April 2018 Assistant Secretary of Defense Health Affairs memorandum. The following JTS LSM items are a standard solution for providing initial lifesaving measures at the point of injury.

Medic/Corpsman Kit
- Extremity tourniquet
- Hemostatic dressing
- Hemostatic device
- Junctional tourniquet
- Advanced surgical airway
- Extraluminal airway

First Responder/Combat Lifesaver Kit
- Extremity tourniquet
- Hemostatic dressing
- Junctional tourniquet

Tactical Medical Solutions’ (TMS) Raid Bag’s inside layout offers immediate access to supplies in the top compartment and clam shells open completely to be hung as a panel in a vehicle or aid station. The stocked bag contains the medical supplies needed to treat multiple trauma patients with space to customize.

JFAK/Individual First Aid Kit (IFAK)
- Extremity tourniquet
- Hemostatic dressing
- Battlefield analgesia/infection control - combat wound medication pack

JBC Corp’s Medical Assault Kit (VER. 4) is a low-profile Individual First Aid Kit (IFAK), designed to be carried in a sleeve attached to a belt and accessible from the right or left by pulling the removable tabs.

Phokus Research Group’s Bleeding Control Kit includes:
- Quikclot® bleeding control dressing
- Tourniquet (CAT or SOFTT-W)
- Z-fold Frog gauze
- Elastic bandage
- Frog tape
- Nitrile gloves
- Survival rescue blanket

Visit ADSINC.COM/MEDICAL for more information.

JBC Corp’s Wound Cube simulates multiple real-life injuries ranging from lacerations to gunshot wounds, using a state-of-the-art silicon technology that will help to ensure both a clean and realistic feel to your next training experience.

DON’T SEE EXACTLY WHAT YOU’RE LOOKING FOR? ASK ABOUT CUSTOM KITTED SOLUTIONS THAT MEET (AND EXCEED) MINIMUM BASIS OF ISSUE FOR JTS RECOMMENDED ITEMS.
TRAUMATIC BRAIN INJURY

Brain injuries, including Traumatic Brain Injuries (TBIs) and concussions, can manifest in a variety of ways, causing memory loss, slowed cognitive processing, and loss of coordination.

If not assessed properly, these symptoms can worsen and become detrimental. The use of IEDs and other concussion-inducing weaponry shows no signs of stopping, making accurate diagnosis crucial.

BrainScope's One brain injury assessment device uses EEG-based technology to empower physicians to make more accurate head injury assessments quickly at the point of care. By integrating technology with portability, the system eliminates the subjectivity of on-scene assessments and brings objectivity to the battlefield. The two-piece system consists of a disposable electrode headset and a durable handheld system.

SAROS™ BATTLEFIELD OXYGEN SYSTEM

The SAROS™ Battlefield Oxygen System was designed and developed with the U.S. Army Medical Material Agency (USAMMA) to address the combustion and logistical challenges incurred by high-pressure oxygen cylinders and liquid oxygen currently being fielded by the U.S. Army on the battlefield. Existing battlefield oxygen transport solutions pose significant challenges. Oxygen from current containers is rapidly consumed, making continuous availability to oxygen a logistical headache. Exacerbating the logistics issue, storage and transport of portable oxygen requires strict oversight, as it is flammable and explosive.

MISSION COMPLETED

SAROS™ Battlefield Oxygen System, Model 3000 is a small, 12-pound, battery-operated oxygen concentrator capable of providing three liters per minute of U.S. Pharmacopoeia (USP) 93 percent medical grade oxygen at continuous flow. This product is 30 percent lighter than its commercial counterpart, eliminating the necessity to refill and transport combustible bottled oxygen on the battlefield thus drastically reducing logistical issues related to oxygen supply for patient care.

This is one of the few products USAMMA has completed the Acquisition Category III (ACAT III) Milestone A to C decision process. The contract for production, training, and kitting was awarded to the team comprised of ADS and Panakeia LLC with a fielding plan of 7,000 SAROS systems over four years.
HUMAN PERFORMANCE

ADS works with top human performance suppliers to provide our deployed service men and women an opportunity to enhance their physical training capabilities while in theater. Unpredictable schedules, inadequate training equipment, and an OPTEMPO all make staying physically sharp a challenge. As human performance requirements are growing more stringent, it’s crucial our service men and women are equipped with superior equipment, even in the roughest of environments.

BeaverFit’s entire line of functional training lockers are modified shipping containers that have been customized to create fully portable training center that are rapidly deployable, customizable, and airworthy. Beaverfit’s 10’ Functional Training Locker facilitates physical training for up to 50 personnel and assembles in 45 minutes or less.

DARI Motion’s Marker-Less Motion Analytics Software delivers validated 3D kinematic and kinetic motion analytics without sensors, markers, or force plates, providing immediate feedback. The analysis can eliminate physical injuries before they happen by looking at muscle use patterns in real time.

PLAE’s Achieve is the toughest floor in the world. Available in three thicknesses, its dual layers are fused together with a patented process that will not separate or weaken, regardless of age or application.
No one has a tougher, more demanding job than those carrying out homeland defense and security operations. ADS provides organizational clothing and individual equipment (OCIE) and personal protective equipment (PPE) engineered with survivability in mind.

Let us track down the best apparel, equipment, and procurement strategy for your mission.

IN THIS ISSUE

PG 48 RIOT GEAR & COMBATIVES
PG 49 EXTREME COLD WEATHER GEAR
PG 52 BALLISTIC PROTECTION

RESEARCH & INTEGRATION

PG 50 FREE: FIRE RESISTANT ENVIRONMENTAL ENSEMBLE

THERE’S A KIT FOR THAT

One Name: Crewman Fire-Resistant (FR) Kit
One Part Number: Call 800.948.9433 for 24/7 Support
One Procurement Source: ADS, Inc.

ADS’ Crewman FR Kit was designed to support the OCP/Scorpion uniform requirement for Army combat and training missions. This fire retardant and breathable coverall kit is custom-made for Army crews, dismounts, and support personnel who are required to wear a fire resistant uniform. It comes in three configurations that are fully customized to mounted, dismounted, and maintainer mission sets.
MORE THAN JUST **BOOTS**

**BALLISTIC PROTECTION**

**FLAME RESISTANT (FR) APPAREL**

**EYEWEAR**

**GOoggles**

**HOLSTERS**

**OUTDOOR & SURVIVAL GEAR**

**PERSONAL LIGHTING EQUIPMENT**

**50+ WAYS TO BUY**

SEE PG 9 FOR DETAILS
Riot gear keeps law enforcement safe. Optimal riot gear is fire retardant, stab/slash resistant, and doesn’t impede mobility. London Bridge Trading, Inc.’s Personal Protective Equipment (PPE) Suit is the only U.S.-made product on the market.

During riot control, officers encounter everything from blunt force trauma to people in the crowd snatching sidearms. Safariland’s MP Rig Kit keeps everything intact and within reach:

- Belt
- Liner belt with seven essential belt accessories
- Holster
- Hiatt® branded handcuffs
- Monadnock® AutoLock® II Expandable Baton

Approved by the U.S. Army Military Police Corps and DoD Police

MISSION COMPLETED

The ADAPTIV suit addition to the already in-service Modern Army Combative Kits (MACK)* enhances training. The LBX & Dynamis Alliance ADAPTIV suit allows the end user to train at real speeds in a variety of environments. Designed to prevent injury while providing full range of motion, this Berry Compliant suit allows for realistic detainee handling, shoot/don’t shoot drills, and close-quarter combat skills.

*MACK kits are provided to the U.S. Army through a contract with ADS, Inc.
From the frigid forests of Northern Europe to the snow-capped mountain ranges of Korea, any force with the foresight to stockpile and train with the right gear won’t just survive the cold—they’ll turn an extreme environment into a game-changing force multiplier. Simply equipping your operators with effective over-snow mobility options and reliable cold weather gear gives them a massive edge over a peer adversary.

ADS understands your budget rarely includes a separate line item for cold weather gear. Not to mention, official DoD cold weather requirements guidance is riddled with capability gaps at extreme temperatures, especially for individual mobility and mountaineering needs.

Our custom kitted solutions take the guesswork out of unstandardized acquisition of cold weather gear by using proven commercial off-the-shelf (COTS) equipment—ensuring maximum compatibility with your current equipment and operational doctrine. Purchase environmental protection systems, boots, and gloves—all under one cost-effective invoice that can be applied to multiple budget categories. Spend less time in the office and more time training.

Outdoor Research’s (OR) Cold Weather Glove System is easily integrable, reduces the need for multiple liners, and offers the warfighter enhanced tactility, comfort, and warmth in extreme cold weather environments.

**Beyond Clothing’s A7 Cold Jacket and Pants** is built with a DWR coated nylon ripstop shell over Climashield® APEX Insulation. The APEX insulation keeps you warm, retains heat while wet, and dries much faster than down. The nylon ripstop shell repels rain and wind. The A7 Cold Jacket is oversized and designed to be worn over layers A1-A5 while static in arctic climates.

**OR Firebrand Mitt** allows for compression-resistant warmth, while insulation on the back of the hand and thumb provides warmth without the bulk.

**OR Firebrand Trigger Finger Mitt** features a fold-back index finger for trigger-finger access ensuring a firm grip with excellent tactile feedback.

**OR Convoy Glove** is designed for all-around tool and weapons handling in cold active conditions and reduces the need for multiple liners.
THE REQUIREMENT:
The customer, PEO Soldier Product Manager Soldier Clothing and Individual Equipment, required the fielding of a commercially designed, Berry Amendment-compliant, and Fire Resistant Environmental Ensemble (FREE) for their combat vehicle crewman and aviation troops.

The goal for the clothing system was to combine the success of existing flame-resistant (FR) performance garments and the layering approach in the GEN III Extended Cold Weather Clothing System (ECWCS) into a full FR environmental clothing program specifically for vehicle and aviation crews.

FREE integrates with current Army issue FR duty service uniforms, including the Advanced Aircrewman Combat Uniform (A2CU), the Improved Combat Vehicle Crewman (iCVC) uniform, and the FR Army Combat Uniform (FR ACU).

ADS’ success with the FREE program was a direct result of extensive collaboration between state-of-the-art fabric, yarn and fiber manufacturers, and several design teams.

Our team experimented with different fiber combinations to ensure the garments not only met government requirements but were also comfortable.

A FULLY INTEGRATED SYSTEM
FREE integrates with current Army issue FR duty service uniforms, including the Advanced Aircrewman Combat Uniform (A2CU), the Improved Combat Vehicle Crewman (iCVC) uniform, and the FR Army Combat Uniform (FR ACU).

SEE MORE AT:
ADSINC.COM/PROVEN-PERFORMANCE

AN ARMY AIRCREWMAN WEARS THE FREE EWOL TO STAY DRY, WARM, AND PROTECTED WHILE SERVICING AN AH-64 APACHE HELICOPTER.

NEXT TO SKIN
FR T-shirt & Briefs
Quick drying construction from rayon/wool/nylon tri-blend material
Anti-microbial odor control
Lightweight, breathable, and moisture-wicking

BASE LAYER
FR Long-sleeve Top & Drawers
Made from Nomex®/Lycra® mesh
Lightweight, breathable, and moisture-wicking
Excellent recovery properties
Provides maximum comfort in hot climates
Wear under mid-weight layer for increased comfort in cold weather
THE SOLUTION:

The Army conducted comprehensive testing and evaluation to determine which commercially designed system best met their requirement. ADS was awarded the contract and managed the complete supply chain for the system.

The final design provided a completely flame resistant clothing system, engineered for functionality when riding, flying, or on foot. Based on modern U.S. Army layering systems, FREE leverages the latest textile science and FR technology to keep warfighters protected, comfortable, dry, and warm across a broad climate range.

1st Air Cavalry Brigade Petroleum Supply Specialists don the FREE system during cold weather jump forward area refueling point (FARP) operations.

**MID-WEIGHT LAYER**

**FR Long-sleeve Top & Bottom**

Made from quick drying, high-loft Nomex™/FR polyester fleece
Quick drying double velour fleece for increased insulating value, warmth, and breathability
Provides maximum comfort when worn over base layers and under the duty uniform

**IWOL INTERMEDIATE WEATHER**

**Intermediate Weather Outer Layer (IWOL) Jacket & Pants**

Highly abrasion-resistant face fabric constructed with flame-resistant nylon/cotton/Lycra® blend
Fleece lined interior made from Modacrylic/Nomex™/Lycra® blend
Flame-, wind-, and water-resistant with four-way stretch for increased comfort
Provides wet weather protection and insulation for cold conditions

**EWOL EXTREME WEATHER**

**Extreme Weather Outer Layer (IWOL) Shell Jacket & Pants**

Laminate flame-resistant fabric constructed from FR rayon, para-aramid nylon, PTFE membrane, and Nomex™
Waterproof, breathable, and lightweight
The outermost layer in the system integrates with mid-weight layer for extreme cold conditions
Leading Technology Composites (LTC) engineers design, build, and deliver small-arms protective inserts to the most stringent specifications. These time-tested ballistic solutions meet or exceed XSAPI, ESAPI, SAPI, ESBI, NIJ, and Special Threat specifications.
CHOOSING THE RIGHT BODY ARMOR

When selecting the appropriate body armor for your mission, our experts can help track down the best solution based on:

- Certifications
- Armor types
- Ratings
- Threat level

The National Institute of Justice (NIJ), a branch of the Department of Justice (DOJ), is the primary certifying agency for body armor. NIJ certification focuses on ballistic threats faced in domestic situations. MIL-SPEC certification is tested differently against proprietary and classified military small arms threats faced on the battlefield.

ARMOR TYPES, RATINGS & THREAT LEVEL

<table>
<thead>
<tr>
<th>Level</th>
<th>Threat Protection Provided</th>
<th>Standard 0101.04 Velocities</th>
</tr>
</thead>
<tbody>
<tr>
<td>IIA</td>
<td>9mm 124gr FMJ RN</td>
<td>1120 ft/s</td>
</tr>
<tr>
<td></td>
<td>.40 Caliber 180gr FMJ</td>
<td>1055 ft/s</td>
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<tr>
<td>II</td>
<td>9mm 124gr FMJ RN</td>
<td>1205 ft/s</td>
</tr>
<tr>
<td></td>
<td>.357 Magnum 158gr JSP</td>
<td>1430 ft/s</td>
</tr>
<tr>
<td>IIIA</td>
<td>9mm 124gr FMJ RN</td>
<td>1430 ft/s</td>
</tr>
<tr>
<td></td>
<td>.44 Magnum 240gr JH</td>
<td></td>
</tr>
</tbody>
</table>

Soft Armor

- **Certification:** NIJ
- **Ratings:** Level IIA, Level II, and Level IIIA
- **Threat Level:** Shrapnel and lower velocity projectile protection, such as handguns or submachine gun ammunition
- **Availability:** Concealable and Tactical

Hard Armor

- **Certification:** NIJ
- **Ratings:** Level III, Level IV, and Level III/IV Combination
- **Threat Level:** Rifle protection—Level III is certified for a single hit while Level IV combination plates protect against multiple hits
- **Availability:** Steel, Polyethylene, and Ceramic

Steel Plates

- Thin and heavy
- Exceptionally durable and typically constructed of MARS armored plate
- Recommended for concealment applications
- Available up to NIJ Level III
- Stand Alone or In-conjunction

Polyethylene Plates

- Thick and light
- High impact resistance and moderately durable compared to steel plates
- Recommended for maritime applications: Neutral or positive buoyancy
- Poor performance against steel core rifle ammunition (standard U.S. issue 5.56mm M855)
- Available up to NIJ Level III
- Stand Alone or In-conjunction

Ceramic Plates

- Weight and thickness vary greatly (highly configurable to specific needs)
- Lower durability compared to steel or polyethylene
- Recommended for most situations: Industry standard and only material rated to stop NIJ Level IV threats
- Available in NIJ level III, IV and combination
- Stand Alone or In-conjunction

STAND ALONE PLATES DEFEAT THEIR RATED THREAT WITHOUT ANY ADDITIONAL ARMOR. IN-COINJUNCTION PLATES REQUIRE SUPPLEMENTAL SOFT ARMOR BEHIND THE HARD PLATE TO ACHIEVE THEIR RATED THREAT LEVEL.
Whether you’re a breacher making entry into a hardened target, an EOD technician conducting a render safe procedure (RSP), or a hazmat technician responding to an incident, ADS has the equipment, procurement, and specialized solutions your mission requires.

We work with suppliers, warfighters, law enforcement, and first responders to develop systems designed to counter CBRNe threats and adapt to emerging technology trends.

**IN THIS ISSUE**

- **PG 58** STAYING A STEP AHEAD OF IED THREATS
- **PG 59** DIVE & MARITIME EQUIPMENT
- **PG 62** UNMANNED SYSTEMS CAPABILITIES
- **PG 64** CBRNE SOLUTIONS
- **PG 65** FULLY-EQUIPPED FIRST RESPONDER

**RESEARCH & INTEGRATION**

- **PG 60** FOBAM: U.S. ARMY FAMILY OF BOATS AND MOTORS

**THERE’S A KIT FOR THAT**

**One Name:** Specialized Chemical Ordnance Transport System (SCOTS) Kit

**One Part Number:** Call 800.948.9433 for 24/7 Support

**One Procurement Source:** ADS, Inc.

ADS’ SCOTS kit was built by and for the EOD community—using EOD technician requirements as a blueprint to select industry-leading products and technology. Manufactured nylon components, vetted decontamination media, activated carbon cloth—in conjunction with procedures directly out of EOD publications—make the SCOTS kit the total solution for chemical ordnance transport.
MORE THAN JUST DIVE GEAR

CBRNe

DIVE & MARITIME

FIRE & EMERGENCY SERVICES

50+
WAYS TO BUY
SEE PG 9
FOR DETAILS
RESPONDING TO SUSPECT PACKAGES

Improvised explosive devices (IEDs) have become the preferred weapon of insurgents and terrorists because they can be assembled quickly with a variety of nonmilitary components and employed with little or no training. From simple to extremely complex designs, ADS can help you navigate through every stage of explosive ordnance disposal (EOD).

In March 2018, the Austin, TX Police Department quickly traced and tracked down a serial bomber. With over 1,200 suspicious package reports between March 2 and March 20, the ability to swiftly respond grew increasingly difficult for the Austin police bomb squad.

AUSTIN BOMB SQUAD ASSISTANCE

MISSION COMPLETED

ADS overnighted three devices to the Austin PD because their team deserved the best equipment for the job—immediately. Some of the equipment they used to keep the community safe during this time included four Nex-Ray (MSPT) FPX Nanos and two Golden Engineering XR-150 X-ray generators, allowing EOD technicians to determine if suspect packages were IEDs.

I cannot express the value of the Nano X-ray during our incidents and the overwhelming call load volume of suspicious packages.”

Lt. C. Renfro, Austin Police Department

Reconnaissance
EOD Technicians respond to a specific area to investigate and gather intelligence. A tactical robot with an audio and video payload helps gather real-time information.

Diagnosis
X-ray kits may be added to a robot to help the technician determine whether the suspect package contains IED components.

Disruption
Technicians use robots to disrupt devices from a safe distance by using the arm extension and a cutting tool to snip wires or to unscrew a pipe bomb, preventing activation while leaving evidence intact.

Removal
EOD technicians may direct the robot to carry the suspect device away from a busy traffic area to a more remote site for inspection or disposal.

Nex-Ray FPX Nano is a self contained battery operated flat panel detector consisting of two parts: an enclosed flat panel scanner with a permanently mounted 7x9 imaging plate and a detachable tablet with an image viewing screen.
DETECTING IEDS

When searching for roadside bombs, scanning the route visually and with metal detectors may be the only line of defense. ADS solutions are capable of detecting command wires, non-metallic and low-metallic signature IEDs—regardless of the mineralized content of soil components—with built-in systems to monitor detector functionality.

The Med-Eng Blast Tracker™ serves as a forensic tool or black box for an unexpected and repeated blast events. Mounted discretely on users, it records real-time data of individual overpressure, impulse, and acceleration.

Med-Eng EOD 10 bomb suit and helmet ensembles protect operators from: overpressure, fragmentation, impact, and heat. The redesigned EOD 10 helmet improves situational awareness and protection, integrating a voice command system and new light discipline options.

STAYING A STEP AHEAD OF IED THREATS

DIVE & MARITIME EQUIPMENT

Since 1997, when Atlantic Diving Supply got its start outfitting Navy SEALs with the best wetsuits and diving equipment available, we’ve provided Navy, Naval Special Warfare, and Special Mission Solutions dive equipment at competitive prices. Our relationships with industry-leading dive manufacturers allow ADS to keep customers up-to-date on available technology when determining equipment requirements.

Equipment:

Breathing air compressors
Diver propulsion devices
Diver thermal management systems
Hyperbaric recompression chambers
Lift balloons
Maritime generators
Navigation systems

SCUBA equipment
SEAL Delivery Vehicles (SDV)
Surface supplied diving equipment
Watercraft, boats, trailers, and accessories
Wetsuits and dry suits
Refurbishing and upgrade services
Training and familiarization services

Avon Protection’s MCM100 is a high performance, deep diving, air and mixed gas, electronically controlled rebreather that is designed for explosive ordnance disposal and mine countermeasures diving operations. The MCM100 has been CE tested to 100m, which is suitable for a range of military or tactical diving disciplines such as mine countermeasure (MCM), explosive ordnance disposal (EOD) shallow or deep, mine investigation and exploration (MIE), and special operations forces (SOF).

RINSING DIVE EQUIPMENT WITH FRESHWATER MAY NOT SAFEGUARD AGAINST SALTWATER CORROSION, DRY ROTTING, OR VERDIGRIS. ASK ADS ABOUT PLANNED MAINTENANCE SYSTEM (PMS) REPLACEMENT PARTS, LUBRICANTS, OR SPECIAL TOOLS.
RATIS™ LPU

Self-righting inflatable horse collar style life preserver units (LPUs) used by Naval Special Warfare (NSW) units and other Special Operation Forces (SOF) have proven to be too large and bulky. Existing LPUs restrict head mobility and don’t allow for full field of vision. Additionally, their inflation profile is not adjustable based on the operators mission parameters.

MISSION COMPLETED
Based on NSW and other SOF research, ADS worked closely with Mustang Survival to create the RATIS Inflatable LPU.

When compared to current systems, this lightweight and extremely compact LPU provides unencumbered head movement for a wider field of vision and increased situational awareness. Its sleek, low-profile design takes up minimal load carriage real estate and does not impact weapon manipulation.

The system also utilizes game-changing, programmable inflation technology.
Developed by long-time partner Hammar, the system offers true mission flexibility. Operators can program the unit to trigger inflation based on depth, time submerged in water, or a combination of both.

U.S. ARMY FAMILY OF BOATS AND MOTORS

FOBAM

The U.S. Army operates in maritime environments ranging from coastlines and large rivers to harbors, lakes, and other inland waterways. Navigating these aquatic areas of operation requires lightweight, low profile waterborne transportation.

I-CRC
WING P4.7
Inflatable Combat Raiding Craft

<table>
<thead>
<tr>
<th>Capacity</th>
<th>7</th>
</tr>
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<tr>
<td>Length</td>
<td>15' 5&quot;</td>
</tr>
<tr>
<td>Width</td>
<td>6' 6&quot;</td>
</tr>
<tr>
<td>Hull Weight</td>
<td>182 lbs</td>
</tr>
<tr>
<td>Max Payload</td>
<td>2,700 lbs</td>
</tr>
</tbody>
</table>

Tapered buoyancy tubes for reduced weight and increased fuel efficiency

SEE MORE AT:
ADSINC.COM/PROVEN-PERFORMANCE
THE REQUIREMENT:
Tank-Automotive and Armaments Command Life Cycle Management Center (TACOM LCMC) was tasked by leadership to identify a cost-effective, U.S.-made Family of Boats and Motors capable of fulfilling the Army’s mission requirements.

This included a wide variety of mission scopes, team size, storage capacity, weight limits, and land mobility capabilities. Their research identified a need for a seven-person Inflatable Combat Raiding Craft (I-CRC) and a fifteen-person Inflatable Combat Assault Craft (I-CAC), both powered by multi-fuel outboard motors.

THE SOLUTION:
ADS worked with WING Inflatables and BRP Evinrude to develop a winning solution. Through our partnerships, we developed a high-impact procurement and supply chain solution that met fielding requirements as well as long-term sustainment efforts. This included:

- New equipment training video development for operation and maintenance procedures
- Supply chain monitoring to ensure on-time delivery and identify any early indications of scheduling delays
- Ensured U.S. manufacturing compliance by mapping out second and third tier manufacturing hierarchies

ADS’ value-added support services with WING Inflatables’ technology and manufacturing processes provided TACOM LCMC the most advanced inflatable boats available. We also worked with BRP Evinrude to identify a motor that would meet U.S. military shipboard gasoline requirements and DoD Common Fuel Initiatives.

**I-CAC**
WING P5.8 Inflatable Combat Assault Craft

<table>
<thead>
<tr>
<th>Specification</th>
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<tbody>
<tr>
<td>Capacity</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>19’ 2”</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>8’ 2”</td>
<td></td>
</tr>
<tr>
<td>Hull Weight</td>
<td>248 lbs</td>
<td></td>
</tr>
<tr>
<td>Max Payload</td>
<td>6,000 lbs</td>
<td></td>
</tr>
</tbody>
</table>

The I-CAC leverages twin BRP Evinrude 30MFE motors with a dual engine controller

Auto-inflation system for rapid setup

The I-CRC & I-CAC include a paneled hard deck for missions requiring heavier payloads

30 MFE
BRP Evinrude 30HP Multi-Fuel Engine

<table>
<thead>
<tr>
<th>Specification</th>
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<tbody>
<tr>
<td>Engine</td>
<td>2-Cylinder E-TEC DI</td>
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</tr>
<tr>
<td>Weight</td>
<td>160 lbs</td>
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</table>
Industry leaders are continually developing more capable unmanned systems to accomplish a wide variety of tasks, from discreet reconnaissance to neutralizing CBRNe threats. Unmanned missions have increased during the past decade, spurring users to incorporate unmanned systems into non-traditional facets of their operations—logistics, maintenance and repair, and transportation. The DoD is already projecting an increase in time, resources, strategic initiatives, goals, and planned expenditures related to unmanned systems.

Unmanned Underwater Vehicles (UUV) Capabilities
- Maritime and diving
- EOD and countermine
- Search and Rescue (SAR)
- Maritime ISR and security
- Ship husbandry and MRO

Unmanned Ground Vehicles (UGV) Capabilities
- CWMD and EOD
- Hazmat and firefighting
- Tactical operations
- Security and reconnaissance
- Vehicle inspection

Unmanned missions are a growing landscape

Remote operatated vehicles (ROVs) are tethered via an umbilical and controlled from the surface, providing real-time feedback to the operator. Weighing in at only 40lbs in air, the SeaBotix vLBV300 is a small yet highly capable inspection ROV system that offers a wide variety of payload packages.

Hydroid’s REMUS 600 AUV was designed to support the Navy’s growing need for operations requiring extended endurance, increased payload capacity, and greater operating depth. The positively buoyant, highly versatile system operates in depths of 600 meters but can be ordered and configured for 1500-meter operations.

Hydroid’s REMUS M3V (Micro 300 Meter Rated Vehicle) is a compact one-man portable autonomous underwater vehicle (AUV) that can dive up to 300 meters in depth. Low cost and ready to use right out of the box, this micro AUV supports numerous applications, including search and survey, intelligence, surveillance and reconnaissance (ISR), marine research, and multi-vehicle missions.
A STRATEGIC VISION FOR ARMY GROUND ROBOTICS

ADS is actively involved in supporting the Army’s needs for ground robotics. Based on feedback from our customers, the publicly-stated objectives of the Army, and technological advancements in the industry, we believe equipping our soldiers with ground-based robotic capabilities will continue to be a priority in the coming years.

We work with industry-leading manufacturers to provide our customers with robotics designed to lighten the load our soldiers need to carry, increase their stand-off distance from threats, provide enhanced situational awareness in various environments, and employ convoy leader-follower technology.

We expect the ground-robotics market focus to shift toward systems that allow for unmanned deliveries of cargo while simultaneously serving as teammates to soldiers in the field, rather than simply as tools. Ultimately, these technologies will augment cooperation during air and ground maneuvers through scalable sensors and soldier-robot communication.

With advancements in the ground-robotics space happening so rapidly, ADS utilizes a dedicated team of specialists who closely monitor the trends of the robotic industry, looking for innovative products that enhance warfighters’ ability to complete their missions safely and effectively.

*Kobra’s™ 710* is a powerful, rugged, fast robot that supports or carries multiple heavy payloads without sacrificing mobility or operation over rough terrain and stairs. Designed with power, agility, and flexibility in mind, the 710 Kobra can lift in excess of 330 pounds, negotiate around and through obstacles, and be equipped with numerous payloads to expand the operational area.

**Qinetiq’s TALON V** is the only tactical, mid-sized robot to successfully complete U.S. Army Tank Automotive Research Development and Engineering Center’s (TARDEC’s) interoperability profile (IOP) testing. It’s designed to provide open architecture, increased performance, flexibility, and system-level modularity.
CBRNE SOLUTIONS

THE FIRST LINE OF DEFENSE

Detection
Detecting CBRNe threats without putting military personnel at unnecessary risk is a common objective in next-generation warfighting. Detection systems, communication equipment, and protective gear are designed for improved first responder safety.

Decontamination
The nature and extent of contamination is as unique as the environment it’s in, and no single solution is applicable in all situations. For instance, decontamination can be carried out using chemical, electrochemical, or mechanical means, but decontamination of humans requires time, a large number of personnel, and specialized decontamination systems.

Protection
With a wide range of chemical, biological, and radiological threats, it is imperative troops have a foundation of personal protective equipment and breathing apparatus.

Decontamination
The element of surprise, unseen agents, lethal devices, and the constantly changing nature of CBRNe threats makes development of new technologies imperative. Our detection and decontamination experts understand the wide landscape of detection, identification, and decontamination equipment. ADS’ Special Mission Solutions (SMS) team has extensive military and CBRNe experience on developing trends, emerging techniques, and equipment innovations. Purposeful partnerships also enhance the ADS advantage—allowing us to quickly field equipment.

Detection
Recognizing everyone’s role in layered defense strategies, Morphix Technologies developed the Chameleon Chemical Detection Armband. The Chameleon’s simple, color-change chemical detection system is ruggedized, low-cost, and easy to use in a variety of conditions.

Protection
Kappler’s Frontline® 500 gas-tight suit offers three-way protection—broad chemical holdout plus flame resistance. This single garment eliminates the need for the typical two-suit NFPA 1991 configuration.

Decontamination
NOR E First Response’s MEDecon’s 3L-18 is a compact, mobile decontamination trailer dedicated to small group or mass casualty response. The 3L-18 is implemented on site in 10 minutes.

FIRE EMERGENCY SERVICES PERSONAL PROTECTIVE EQUIPMENT (FES PPE)

U.S. Air Force Firefighters require specialized skills to operate and maintain equipment. They’re trained to swiftly and safely respond to a variety of extreme environments, including structural and proximity fires. It’s imperative their equipment is effective, comfortable, and allows for maximum mobility in a variety of environments.

MISSION COMPLETED
By working with Ricochet Manufacturing Inc. and Honeywell First Responder Products, ADS provided custom-built gear that offers Air Force Firefighters greater flexibility, comfort, and performance in extreme heat environments.

Ricochet’s ergonomic patterning works with the body to reduce heat stress, hobbiling, and fatigue while increasing range of motion. Firefighters are now better-equipped to train and hone their specialized skills without encumbering equipment.
CAPABILITY GAPS OF THE MODERN DAY FIRST RESPONDER

Rescue and emergency service personnel around the world must stay prepared for traditional and emerging threats. Today’s first responders deserve the latest equipment solutions that address fire and emergency needs, ranging from exposure to potent chemical compounds to terrorist threats from radiological dispersal devices.

As the first to arrive on the scene of such an emergency, there’s no room for equipment error. By providing a full portfolio of emergency response capabilities, ADS is ready to respond.

**Equipment:**
- Compressors
- Extrication and rescue tools
- Fire suppression and foam
- Fire trucks
- Chemical protective gloves and boots
- Gas detection
- Gear dryers and storage
- HAZMAT
- Helmets
- Hoses and nozzles
- Personal protective ensemble
- Propane fire trainers
- Rescue training equipment
- Respiratory protection and SCBA
- Spill containment
- Thermal imaging

**Training & Services:**
- Fire Inspector Training
- Fire Officer Training
- HAZMAT Training
- Modular Training System
- Product Familiarization, Usage and Maintenance
- Technical Rescue Training

**Fireblast Global’s F-18 ARFF Trainer** is a fast attack jet fire trainer that is completely self contained, built to approximately 2/3 scale in full stainless steel construction, features a full complement of LPG-fueled fires and unique training scenarios. Paired with a tow vehicle, on-board generator, LPG fuel tanks, and storage racks for peripheral equipment, the trainer is fully mobile and self-sufficient.
WEAPONS & OPTICS

Maintain, enhance, or upgrade your weapon platforms with ADS’ industry-leading Weapon and Optic (W&O) manufacturing partners. We can meet your requirements while reducing cost by pairing a unique variety of components and accessories with unrivaled procurement and support solutions.

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THERE’S A KIT FOR THAT

**One Name:** USSOCOM Bolt & Barrel Kit
**One Part Number:** Call 800.948.9433 for 24/7 Support
**One Procurement Source:** ADS, Inc.

When Naval Surface Warfare Center (NSWC) CRANE Division needed outfit U.S. Special Operations Command (USSOCOM) Special Forces Operators with 1,407 10.3” barrel replacements, ADS provided a more efficient and cost-effective solution. Our weapons subject matter experts consulted with partner manufacturer Daniel Defense to identify all parts required to complete a 10.3” barrel change on M4 Upper Receiver Groups (URGs). Our kitting experts developed a low-cost kitted solution for the barrel replacement procedure—the 10.3” Bolt and Barrel Kit (10.3” BBK).
MORE THAN JUST FIREARMS

WEAPONS, COMPONENTS & ACCESSORIES

50+ WAYS TO BUY
SEE PG 9 FOR DETAILS
WEAPONLOGIC™

For years, the military has been seeking a reliable means to accurately record the use of its small arms inventory in order to better manage its lifecycle. Preventive maintenance becomes more effective with an accurate understanding of how and when weapon components need to be replaced. This provides operators increased safety, minimized weapon failure in critical situations, and predictive lifecycle maintenance.

MISSION COMPLETED

Based on the requirements of USSOCOM and other U.S. Military programs, ADS worked closely with Secubit USA to develop WeaponLogic™, a shot counter technology that fully integrates into any type of firearm with a pistol grip.

Maximizing Your Weapon’s Lifecycle

WeaponLogic™ from Secubit USA is a RFID-enabled passive and secure system that enables real-time recording and storing of weapon data for optimized maintenance, improved performance, and unprecedented readiness.

WeaponLogic™ provides a 360-degree view of a weapon’s current state for improved maintenance schedules, as well as increased inventory control and component management.

The Brains of the Operation

The core of the WeaponLogic™ system is the patented scanner and I.D. software.

More than just a gunshot counter utility, the system can communicate with RFID satellite sensors tagged to components and accessories.

The WeaponLogic™ I.D. software acts as an electronic maintenance log, allowing armorer’s to view historical data on replaced parts, including the reasons for replacements. The system leverages statistical parts life expectancies provided by manufacturers to provide an eagle eye view of each weapon’s current health allowing for centralized control of multiple armories.

Shoot, record, and tag with the WeaponLogic™ hub and satellite sensors.

With the increased modularity of firearms, logging individual components provides a more accurate and real-time view of the firearms overall health. WeaponLogic™ RFID satellite sensors provide for the tagging of barrels, upper receiver groups, and additional accessories attached to the firearm. The hub contains the actual round counter and detects the presence of additional passive satellite sensors located on the weapon.

Maintenance logs provide historical data for maximized firearm lifespan

Reduced operational expenses associated with catastrophic failures, parts budgeting, ammunition forecasting, and more

Increased firearm and shooter readiness: Records shooter’s profile including rate of fire, single shots versus multi-shot, dry fires, and drops

Leverage satellite sensors to provide inventory control and weapon accountability for a more secured armory

Track accessories and components associated with each firearm
RFID SATELLITE SENSORS
This passive and secure RFID-enabled system enables real-time recording and storing of weapon data for optimized maintenance, improved performance, and unprecedented readiness at reduced cost.

HUB WEAPONLOGIC™ SMART COUNTER
Fully integrates into any type of firearm with a pistol grip including rifles, sniper rifles, crew served weapons, and mortars.

- Records shots fired, cadence of fire, shot duration, and burst rate
- Fully integrated MIL-SPEC and waterproof
- Programmable for multiple weapon profiles
- Records up to one million rounds
- RFID communication between devices
- 15+ years of battery life
- Smart analysis of shot profile, including energy and duration
- Detection of varying energy outputs
REDUCE SWAP-C & INCREASE LETHALITY

How do you remain the most advanced military in the world and maintain readiness with less funding? The answer is simple: improve the lethality, efficiency, and effectiveness of currently fielded systems through the reduction of size, weight, power consumption, and cost (SWAP-C).

ADS SWAP-C upgrade kits improve existing firearms, optics, and night vision devices. Utilizing existing multiple-award indefinite delivery, indefinite quantity (IDIQ) contracts reduces the government’s need for costly sole source procurement and justification and approval (J&A). Building commercial-off-the-shelf (COTS) upgrades increases time on target and precision target engagement.

ADS works with the industry’s leading manufacturers to offer a unique variety of weapons and solutions to enhance, maintain, store, and clean your current weapon platforms. Let us help you choose the optimal mounts, slings, barrel sleeves, suppressor covers, or other accessories to get the most out of your weapons systems.

CUSTOMIZE OR UPGRADE INSTEAD OF REPLACING

Customizing the reticle in a spotting scope to your unique mission set is no easy task. ADS will work with the manufacturer to customize at the depot level, making the upgrade a seamless process.

Pairing your existing lower receiver with a new Upper Receiver Group (URG) or upper parts is a cost-effective way to improve your weapon without having to replace it. ADS’ experts can guide you to the best URG upgrade or help craft a Parts Kit—like our 10.3” Bolt and Barrel Kit (BBK).
TECHNOLOGY THAT’S NOT ONE SIZE FITS ALL

Technology advances have led to more accurate fires and enhanced viewing through long-focus lenses. What was once an art of improving human vision is now the ability to leverage the entire electromagnetic spectrum—with night vision, thermal, and infrared optics.

Though manufacturers are designing products with combined optic technologies, a one-size-fits-all solution remains elusive. ADS can help customers meet mission objectives through our integrative approach and vast supplier network.

Day scopes, night vision, range finders, illuminators, thermal, fused systems, and lasers only scrape the surface of ADS’ optics.

NEXT GENERATION OF OPTICS

Weapon optics are already harnessing machine learning and specific-purpose artificial intelligence. These sights turn even inexperienced marksmen into elite snipers, using multiple lasers for triangulation, automatic tri-axis correction, and delayed firing. As optic technology rapidly changes and the government acquisition cycle works to catch up, ADS provides immediate access through 50+ procurement vehicles.

Rochester Precision Optics’ CMOS Night Observation Device (CNOD) is a high-definition, fully digital day/night optic optimized for use as an observation monocular, stand-alone weapon sight or clip-on in-line weapon sight. Capable of detecting targets and lasers, CNOD operates in the 500nm to 1080nm spectrum.

L-3 Insight Technology’s M914A™ monocular is based upon the military nomenclature AN/PVS-14 and available with improved white phosphor tube technology for greater target detection and recognition. White phosphor offers various shades of intensity between black and white (over black and green), resulting in better contrast and depth perception.

L-3 Insight Technology’s Ground Panoramic Night Vision Goggle (GPNVG) is a wide field-of-view, helmet-mounted Image Intensified (I2) night vision device with white phosphor tube technology for improved target detection and recognition.

L-3 Insight Technology’s Next Generation Aiming Laser (NGAL) is a rugged, ultra-compact and lightweight system designed to be compatible with all generations of night vision devices. NGAL uses an advanced illuminator design to achieve a more uniform near infrared (NIR) illuminator beam for increased situational awareness.

WHEN RECOMMENDING OPTICS, ADS CONSIDERS MISSION OBJECTIVES, NECESSITY, TRADE-OFFS, AND BUDGET.
THE REQUIREMENT:
In late 2013, Marines field tested applying thermal and laser range-finding technologies by firing 146 rockets through modified SMAWs over an eight-day period. This event validated the need for an improved weapon. In January of 2015, the U.S. Marine Corps released a solicitation for a SMAW Modification 2 contract to replace the SMAW Modification 0 with a safer alternative, reducing the amount of time required to engage targets.

SHOULDER-LAUNCHED MULTIPURPOSE ASSAULT WEAPON

SMAW

The first shoulder-launched multipurpose assault weapon (SMAW)—Modification 0—was introduced to the Armed Forces in 1984 and touted an unloaded weight of 16 pounds. The Mod 0 version utilized a spotting rifle aiming mechanism that required a significant amount of time to accurately engage targets, posing a threat to the operator when used in hostile environments.

USMC SMAW

MOD 2

SEE MORE AT:
ADSINC.COM/PROVEN-PERFORMANCE

ADS’ Subject Matter Experts collaborated with our vast supplier network to bring innovative solutions to the forefront. Through market research, design improvements, and MBS implementation, we were able to reduce the MBS’ overall weight by more than three pounds while delivering the most technologically advanced fire control system available.
THE SOLUTION:

Upon release of the SMAW Mod 2 technical data package, ADS worked with L-3 Insight Technology and Wegmann USA to create a weapon system that met the Marine Corps’ stringent requirements. The new modification addresses the issues associated with the existing 9mm spotting rifle by replacing it with a modular ballistic sight (MBS).

As a result, ADS was awarded the $72 million, five-year firm-fixed price IDIQ contract in October of 2015 to supply the SMAW Mod 2 version—a complete overhaul of the existing product.

Combining build-to-print manufacturing and software for products in existing inventory to save time and cost. Mod 2 replaced the existing SMAW spotting rifle with a modular ballistic sight (MBS) that leveraged the latest thermal and range-finding technologies. The MBS also utilized several items already in the Marine Corps’ inventory reducing cost and training time.

- Light Weapon Thermal Sight (LWTS) 
  L3 Insight Technology
- Laser Rangefinder (LRF) 
  L3 Insight Technology
- Mount & Connectivity 
  Two button remote and cables 
  LRF & LWTS mounting bracket
- Collapsible Shoulder Rest

Marines test fire the weapon during the 2013 SMAW operational assessment.
LASER SIMULATION TRAINING

Training is an investment that goes beyond any individual evolution. Basic training in the military requires regular reevaluation as new tactics, techniques, and procedures (TTPs) come to light.

Because learning requires repetition, commanders have many opportunities to test the latest TTPs on regular and recurring bases, but several things can prevent commanders from giving troops the kind of top-tier training they deserve: cost, time, and effectiveness. Ammunition is expensive, planning war games takes time, and evaluating the outcome of war games is challenging without knowing which metrics will get them closer to the objective. Laser simulation provides warfighters a low-risk, cost-effective training environment.

MILO’s Range Training Simulator is a near 360-degree video-based scenario simulator, allowing several individuals to use a variety of weapons in real-world scenarios. Unlike some video-based training that rely on graphics, MILO scenarios incorporate real actors who respond as people would, given a range of consequences.

LIVE FIRE TRAINING

Modular shooting solutions are custom built for maximum durability and safety with minimal maintenance and range downtime. Self-contained, indoor live-fire solutions include:

- Shooting stalls
- Target retrieval systems
- Bullet traps
- Lighting
- HVAC systems

THIS MOBILE, EXPANDABLE SHOOTER TRAINING SOLUTION ALSO MEETS CURRENT ENVIRONMENTAL AND SAFETY REGULATIONS.

ADS hosts annual life-fire range events. For more information, visit ADSINC.COM/EVENTS
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