MISSION STATEMENT

Advanced Payloads & Deliverables mission is to ignite opportunity by designing, engineering and leading the development of the worlds most advanced airborne payloads.

VISION

- Ensure success for our customer's demands today and offer leap-ahead capabilities for tomorrow's demand.
- Know our customers and what they will need to meet the requirements of the C-VEO and C-GPC fight, we will design in the best of breed ISR systems, but also SIGINT, EW, Cyber and C3 payloads.
- Offer a full stack of capability and training with systems operated by best of breed operators and analysts.
- Go beyond seeing, sensing, collecting and pushing raw data – Process, analyze and disseminate useful knowledge to the customer’s point of need.
MSA specializes in integrated solutions for the Global ISR market and provides modernization, upgrade, sustainment, and maintenance and logistics support for a wide variety of aircraft and ground systems. MSA’s operations division has excelled as a total solution provider for sensitive overseas missions in support of US Special Operations Forces in austere environments as well as exercise support for SOF in the United States.

**OPERATIONAL CAPABILITIES**

- Integration of multiple intelligence sensors to include a combination of EO/IR, SAR, WAMI, Maritime Radar, SI and others.
- Deployed highly experienced former military pilots, sensor operators and specialized maintenance teams to austere, remote worldwide locations.
- Expertise to gather, process, exploit and disseminate collected information rapidly for actionable intelligence, an important piece to the Find, Fix, Finish, Exploit, Analyze and Disseminate (F3EAD) cycle.
- Maintain the aircraft (currently over 85% OR rate) at OCONUS locations.
- Rapidly adapt to the customer’s requirements to include on the fly change of missions to short notice relocation of assets.
- Operate multiple communications systems to include everything from beyond line of sight (BLOS) to UHF/VHF and secure video downlinks.
- Research, development & operational testing of cutting edge tactics, technology and procedures to offer our clients the best solutions for their complex problems.
- Exercise support to USSOCOM that includes airborne ISR, LNOs, SMEs, and video downlink system with the ability to provide beyond line of sight support.
- Secure classroom and living area that can support ISR related courses to include sensor operators, SI personnel and aircrew.
- Accredited secure storage and conference room.

**VALUES**

We will serve our customers with unwavering dedication, honor, and a determination to support the mission commensurate with the best traditions of a Special Operations warrior.

**PLEDGE**

We will be honest, ethical, and unceasing in our effort to bring the best people, technologies and equipment to our customers.
EXECUTIVE SUMMARY

MSA’s Advanced Payloads & Deliverables has developed this diverse set of classes to satisfy evolving requirements for Federal Government, Law Enforcement and First Responder personnel. Currency and relevancy are the hallmarks of our course curriculum, as the current threat shifts so do the scenarios we must prepare for. We provide the most realistic and up to date training to those that need it most. We pride ourselves on providing the finest instruction taught by the best instructors available. Our instructors combine real world experience with in depth subject knowledge allowing the students to be better prepared for the day they encounter these tough situations.

ADVANCED PROGRAMS ISR TRAINING & EXERCISE SUPPORT

Our team of experts are able to provide superior ISR support through MSA’s fleet of three (3) King-Air B200/B350s. This support can be tailored to meet specific end-user training requirements. Each aircraft is outfitted with industry leading IMINT/FMV and SI equipment, such as: the MX-15DiD EO/IR camera, LOS/BLOS video and data link, and a suite of HF and angle-adjustable Mode 0-3 antennas, which allow for simultaneous collection and communication across the entire spectrum. Three (3) Mil-Std Harris PRC-117F/G UHF/VHF/SATCOM radios capable of secure/non-secure communications ensure our customers train on the same/similar equipment with which they will deploy.

Our pilots and sensor operators have CAS/JTAC backgrounds, providing an exceptional training experience conducting SIMCAS at the highest levels and meeting JTAC Memorandum of Agreement requirements.

Internal Communication Systems (ICS) inside the aircraft allow aircrew, instructors, and students to isolate communications as required by the mission to support focused one-on-one training, scenario injects, or both.

TRAINING FACILITIES & SUPPORT

With secure/accredited aircraft hangars and classrooms located in both Oklahoma City, OK and Wilmington, NC, MSA is a one-stop shop for SI training and operations. Access to a multitude of air and ground test/training ranges ensure tactically relevant and practical application, and also support our R&D efforts to identify new technology and Tactics Techniques and Procedures (TTP). Combined with our own exercise scripting, role players and subject matter experts MSA provides students with the ability to face real-world scenarios that they will encounter on their next deployment – not just those from the past.
Alpha28, the Signals Intelligence (SI) directorate of Meta Special Aerospace, provides support to Special Operations Forces and the Intelligence Community with proprietary SI training courses, custom designed SI support to military exercises, and direct operational SI support to US Government missions. Alpha28 brings an unprecedented level of technical and operational experience to the customer by maintaining a dedicated staff of full time SI Subject Matter Experts (SMEs) who possess nearly 200 years of combined SIGINT experience in Special Operations Forces and Special Mission Units.
Proprietary Alpha28 Training Courses:
- High Frequency Communications (HFC) Course
- Digital Land Mobile Communications (DLMC) Course (Digital Push to Talk: DMR, NXDN, APCO25, TETRA)
- DLMC Advanced Course
- Advanced Network Characterization (ANC) Course (Modes 1-5)
- WiFi and Bluetooth Theory and Exploitation Course
- Tactical SIGINT Support to Cyber Operations (TSSCO) Course
- Close Access Tactical SIGINT (CATS) Course
- Remote Bridging Operations (RBO) Course
- Linux Basic, Intermediate, and Advanced User Course

Any of our proprietary courses can be customized to meet the specific needs of the customer. Additionally, Alpha28 offers government-approved ground and air certifications in Modes 1-5. We can provide Mobile Training Teams to any location and we host classrooms in Oklahoma, North Carolina, and Nevada along with access to live fire SIGINT ranges in Oklahoma and Nevada.

Tailored Excercise Support:
- Alpha28 provides SIGINT SMEs, Role Players, and live signal environments (Modes 0-6) to training exercises. We regularly provide SIGINT support to over 20 Special Operations exercises each year.
- We also can create custom exercises from the ground up to suit the customer’s unique requirements.

OCONUS Mission Support:
- Alpha28 provides seasoned SIGINT SMEs to support US Government operational requirements around the world on a recurring basis. This ensures our SIGINT SMEs maintain their operational relevancy to consistently provide the best training possible.
HNTS SUMMARY

The Human Network Targeting Support (HNTS) division specializes in intelligence training for mission sets targeting asymmetric threats in all operational environments, including those requiring operational signature reduction. We are Meta Special Aerospace’s subject matter experts for human intelligence (HUMINT), counterintelligence (CI), and all source intelligence integration specific to targeting asymmetric threats. HNTS offers specialized training from the classroom through the full range of live environment practical application. Our specialty inventory includes surveillance, counter-surveillance, surveillance detection, interrogation, full cycle HUMINT operations and exercising higher threat encounters. We train all skill levels and are exercise design, scripting and control professionals who offer “turn-key” training events and full-scale exercise services.

TAILORED EXERCISE SUPPORT

HNTS’ strength is its extensive experience supporting SOF live environment training exercises for all mission sets and intelligence disciplines. We provide professional, tailored exercise support for SOF and intelligence organizations, from small, highly specialized training events through larger scale, full mission profile training exercises. Planning support, exercise design, scenario development, scenario scripting, SME mentorship, exercise control and SME exercise role play are all available.
TACTICAL QUESTIONING

Course Description: The Tactical Questioning course is designed to train and exercise the practical application of tactical questioning once an objective is secured. The course is tailored to the individual unit and consists of a one-hour classroom session followed by live-environment training at the customer’s location. This is highly configurable and tailorable training which will be customized for each client organization.

INTERROGATION TRAINING

Course Description: This challenging four-day training course is designed to train DOD certified interrogators and analysts in realistic scenario-based interrogation training. The training is flexible and allows the interrogator to conduct the interrogations on their terms; there are no time constraints on the individual during this training. Mentored classroom seminars and practical application exercises allow students the opportunity to employ and reinforce the skill sets learned.
PHYSICAL SURVEILLANCE TRAINING

Course Description: Our physical surveillance course will be taught with the “discreet not to lose” mindset. All classes will require a minimum of 6 students to professionally train and understand the techniques being taught. The final exercise will offer the students a chance to document an exchange of information with an unknown individual.

SURVEILLANCE DETECTION TRAINING

Course Description: Our physical surveillance detection courses are designed for students who have attended a DoD certified surveillance course or our 5-day surveillance course. Class size is capped at 4 students per course. Concepts of counter-surveillance are explained and incorporated as desired.

• 5-day Vehicle SDR: Classes followed by PE’s, with a final exercise on the 5th day.
• 5-day Foot SDR: Classes followed by PE’s, with a final exercise on the 5th day.
• 5-day Multi-mode SDR: Classes introducing public transportation TTPs.

This will also include information from the foot and vehicle classes, as they will also be incorporated into this class. Classes will be followed by PE’s with a final exercise on the 5th day.
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