

## Meet your second line of defense

- The solutions to your problems
- The overcome to your obstacles
- The people power to your projects



## Corporate Overview

For warfighter requirements that need reliable solutions regardless of the technical complexity, urgency of need, or red tape, Advanced Project Consulting (APC) is the defense contracting firm that delivers the personnel, the passion, the accountability, and the leadership to handle even the biggest defense challenges because trusted experts get the job done, keep the Armed Services mission-ready and our communities safe.

## Professional Services

### ENGINEERING



- Engineering Analysis
- Technical Data Updates
- Engineering Requirements Reviews
- Field Requests for Support
- Trends Analysis and Studies
- Systems Requirements/Design
- Form/Fit/Function Analysis
- Supportability & Logistics Engineering

### LOGISTICS



- Supply Chain Analysis
- Property Accountability
- Equipment Analysis
- Material Handling
- Parts and Repair Sourcing
- Process/Quality Management
- Planning and Scheduling
- Obsolete Parts Support (DMS)

### IT/CYBER SUPPORT



- Cloud Computing
- Requirements Analysis/Design
- Software/Database Development
- Application Sustainment
- System/Database Administration
- SharePoint Collaboration
- Cyber Security
- RMF Analysis/Sustainment

### AVIATION



- Depot Repair & Sustainment
- Reliability/Maintainability
- Mx Data Analysis/Cleansing
- Aircraft Structure Integrity
- Condition Based Maintenance
- High Velocity Maintenance
- Maintenance Steering Group-3
- Aircraft Corrosion

## Contract Vehicles

APC offers access to rapid response contract vehicles that can get tasks awarded in as little as 45 days, providing customers with contracting flexibility and mission focus. Our Contract Vehicles include: GSA PSS, GSA OASIS SB 8(a) Sub-Pool 3, AMCOM Express, DS-TAT, SeaPort NxG, SBA 8(a)



## Corporate Snapshot

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8(a) Certified VA Certified SDVOSB  
CAGE: 42QH2 DUNS: 135469828

Sample NAICS: 541330 541990, 561990,  
541519 541511, 541611, 541614 541618,  
541690, 541715

ISO 9001:2015 Certified QMS

## Army Logistics - Property Accountability and Tracking

APC provides logistics support for the Army 3rd Infantry Division (3rd ID) at Ft Stewart, Ft Benning, and Hunter Airfield. We assist the G4 and the Brigade Combat Teams in asset visibility and property book operations with the Army Campaign on Property Accountability, unit deactivations, realignment of units, relocation of equipment, and unit equipment planning. APC personnel assist the Property Book Officer (PBO) with the Military Equipment & General Equipment monthly testing, Unique Item Identification Equipment Marking System, Property Book Management, Asset Visibility, and Unit Status Reporting.



APC ensures that quality logistical support provided to the supporting organizations and its customer units is continuous, despite often disjointed training schedules and missions due to the modular structure and differing ARFORGEN cycles. Regardless of which part of the ARFORGEN cycle the 3rd ID units are in, it is APC's responsibility to provide asset visibility and property book support to the 3rd ID organizations. The 3rd ID with its subordinate Brigade Combat teams is functionally organized to perform peacekeeping and combat operations around the world in support of the Department of Defense.

## F-15 Eagle Engineering

When you've been supporting the F-15 for at least a decade, you get to know the beast. Breakdowns, lack of repair, and missions canceled are costly and painful; the Air Force must keep these planes flying. It was our job to really get to the root of the problem: why were these planes breaking down, in a state of disrepair, with missions canceled? Once we identified the damage, APC provided support for the technical publications and administered the system that allowed for F-15 tech to request help from engineers.



We didn't just stop there, either, we integrated our finding and unique system with the airplane manufacturer. Sharing this data with Boeing helped manage charges to the aircraft itself, providing continuous management and a total system perspective. Now, planes can get repaired much faster in Depo Maintenance and everyone has the information they need to stay mission-ready.

## A-10 Warthog Programmatic Support

APC's essential programmatic and administration support for the A-10 System Program Office (SPO) included engineering analysis, management assistance to the Support Equipment Roadmap, and Helmet Mounted Cueing System Program Management support. APC Engineers' broad range of support included researching and resolving technical issues related to the 3-D CAD modeling of aircraft structural parts, assemblies and installations and providing vital OSS&E engineering support for the A-10 Chief Engineer.



APC worked closely with the A-10C SPO and contractor team to rapidly move forward and award a contract for design, development, technical documentation updates, kit builds, and kit delivery, resulting in a parking brake addition. This innovation allows the aircraft to stay in position while on inclines and uneven surfaces, decreasing aircraft turnaround time for combat fueling, and re-arming/loading of weapons in combat.



## ***Air Force Depot Logistics***

When it comes to assuring the integrity of the inventory and the availability of parts for aircraft maintenance, the Air Force had a big problem, proprietary systems were operating in silos and not easily compatible. This crossover of different systems and data created complicated intersections: where do technicians get parts so that planes can be repaired? How do we plan for it and prevent breakdowns? The whole system would need to be overhauled.

APC made it possible for senior leadership to interface between systems so that they could resolve and forecast problems. We made absolutely sure that we had the right parts at the right place to fix airplanes.

By integrating disparate systems and to make the system as a whole usable for decision-making, the Air Force could rely on pristine ground truth and make good choices and by understanding the data from a supply chain effectiveness perspective, the appropriate amount of funding could be secured to keep planes in the air with peak efficiency.



## ***C-5 Engineering, Material Science and Depot Planning***

When C-5s keep breaking down or are otherwise unreliable, the chance that they are mission-ready drops below 50%. For the largest plane in inventory, this causes delays and many problems for transportation. The C-5 community answers to one of the most important problems the US Air Force faces today in commercial airlines and Maintenance Steering Group 3 (MSG-3), adopting a new philosophy of how repairs happen and when, improving aircraft reliability 75%.

Applied commercial workflows doubled the amount of task reviews, but when put into action would save the military a lot of money and accomplish their goals. APC took charge of the implementation, handling personnel challenges, overseeing changes in cybersecurity requirements and a lack of source code, and recruiting the right talent to keep it all running. CPARS improved, processes validated and codified, and talent recruited, and ready for anything the C-5 needed to fly.



## ***Airborne Data Link and Radio Communications***

APC's programmatic support for the Air Force Airborne Communications PMO includes Program Management, Engineering, Contract Support, and Planning/Budgeting. We provide Subject Matter Expertise support for the acquisition phases of Nuclear Command, Control & Communication, Data link systems, and Aircraft radios. Additionally, we provide life cycle support for systems transitioning to and in sustainment, and we support technical evaluation, system inspection, testing, and maintenance programs. We perform obsolescence engineering support and assess, define, and resolve supportability deficiencies. APC's programmatic support for Airborne Communications PMO has benefited the Department of Defense as a whole.



## C-5 Corrosion

When it comes to materials and engineering, everything has a shelf life. Eventually, all equipment starts to break down. It was our job to identify trends in future failures by honing in on stress fractures, corrosion, and things that were generally unsafe. This helps the Air Force to figure out ways to address vexing problems and by doing so, we developed the best corrosion plan in the Air Force. Through thorough analysis, we were able to evaluate the alternatives between replace and repair. We tested and evaluated the latest in product development from various vendors to report back with confidence: does this product live up to the hype and solve problems? and does it work for the long haul?



By answering these questions and taking a holistic approach, APC was able to bring the entire team to joint consensus in adopting a universally accepted plan that evaluated mechanical systems, predicted future problems and rewrote the manuals to include new product integration and best practices. What's more, we shared those with Lockheed Martin so that everybody wins.

## OBP/FLS Tactical Day-to-Day Logistics

Let's get granular about the end user and how having parts and information at your finger-tips can make or break a plane's flight readiness. When mechanics actually "do a repair," they must often order actual parts. If that ordering system is broken or undersupplied, repairs can be delayed for days, months, or even years. Aircrafts are simply not ready.

By addressing mission-readiness, APC started at the blue collar level, making sure that all of the parts needed to run the Depo are in the hangar. APC set on a mission to eliminate waste / loss / inefficiencies and find ways for things not to get misplaced or thrown away. By making absolutely sure that 99 out of a pack of 100 screws were available for the next job, APC was able to save over \$40mil on the little things that over time really added up.

