

Unmanned Vehicles FY2020

For detailed drone activity of the Big Five war corporations (e.g. Northrop Grumman and its MQ-8C Fire Scout and MQ-4C Triton drones), see the separate Big 5 FY2020 documents posted at <https://warindustrymuster.com/corporate-summaries>.

AECOM Management Services Inc. (Germantown, MD)

- Intelligence, surveillance, reconnaissance (ISR) support to Central Command and the Commander Task Force 57 in support of ongoing "overseas contingency operations" → work in Patuxent River, MD; contract # N00019-18-C-1038; issued 12 Mar 2020
 - o contracting activity = NAVAIR Patuxent River, MD

AeroVironment Inc. (Simi Valley, CA)

- Switchblade systems; W31P4Q-20-C-0024; 30 Apr 2020
- Puma unmanned aircraft systems, initial spares, contractor logistics support, reconnaissance, surveillance and target acquisition, vampire and kestral software, launchers, and new equipment training; paid for in part using FY2020 Iraq country funds; W58RGZ-20-C-0043; 25 Sep 2020
- Skyborg prototyping, experimentation and autonomy development, used to deliver missionized prototypes in support of operational experimentation; 6-year IDIQ w 9 other corporations; FA8694-20-D-0100; 29 Sep 2020

AeroVironment Inc. (Monrovia, CA)

- repair, maintenance, training, flight support, and field service representatives → work in Simi Valley, CA; 26 June 2020
 - o Army Contracting Command, Redstone Arsenal, AL (W31P4Q-17-C-0171)

Applied Physical Sciences Corp. (Groton, CT)

- R&D of undersea sensing systems → work in Groton, CT (60%); Woburn, MA (20%); Arlington, VA (7%); Pawcatuck, CT (4%); Northridge, CA (3%); Waltham, MA (3%); Orange, CA (2%); Concord, MA (1%); 15 May 2020
 - o Defense Advanced Research Projects Agency (DARPA) Arlington, VA (HR0011-20-C-0100)
- support a DARPA research program; 21 Jul 2020
 - o DARPA Arlington, VA (HR001120C0138)
- support the Sea Train Phase 1 program, which aims to develop and demonstrate approaches to overcome limitations inherent to medium unmanned surface vessels by exploiting wave-making resistance reductions → work in Hunt Valley, MD (43%); Groton, CT (26%); Hanover, MD (23%); Concord, MA (5%); Arlington, VA (1%); Reading, MA (less than 1%); Jeanerette, LA (less than 1%); San Diego, CA (less than 1%); 10 Sep 2020
 - o DARPA, Arlington, VA (HR0011-20-C-0152)

Aviall Services Inc. (Dallas Fort Worth Airport, TX)

- MQ-8C Fire Scout engines; four electronic engine controls; two fuel metering units; and 25 oil filters for U.S. Navy → Indianapolis, IN (95%); Dallas Fort Worth Airport, TX (5%); N00019-20-F-0110 SPE4A1-19-G-0005; 28 Sep 2020

Cape Fox Federal Integrators LLC (Manassas, VA), an Alaskan Native Company

- field support representatives for technical services for Air National Guard Remotely Piloted Aircraft (RPA) Squadron Operations Center (SOC) computer systems at sites throughout the U.S.; 19 Dec 2019
 - o AFLCMC, Wright Patterson AFB, OH (FA8620-20-C-2010)

Copious Imaging LLC (Lexington, MA)

- engineering services and repairs for the Wide Area Infrared Surveillance with Persistence, or WISP, system (a Counter-small Unmanned Aerial System used in base defense); N00164-20-G-JQ82; 28 Sep 2020
 - o Naval Surface Warfare Center, Crane Division, IN (N00164-20-F-J265)

Crew Training International Inc. (Memphis, TN)

- MQ-9 aircrew training and courseware development at Creech AFB, NV; Holloman AFB, NM; March Air Reserve Base, CA; Hancock Air National Guard Base, NY; FA4890-19-C-0003; 1 Oct 2019
 - o ACC Acquisition Management and Integration Center, JB Langley-Eustis, VA

Curtiss-Wright Defense Systems (Santa Clarita, CA)

- an advanced mission management system for the Northrop Grumman MQ 4-C Triton aircraft program; 24 Jul 2020
 - o DLA Aviation, Philadelphia, PA (SPRPA1-20-C-K019)

Gomez Research Associates Inc. (Huntsville, AL)

- continued support for counter IED and unmanned aerial system technology → Huntsville, AL (60%); Kiev, Ukraine (5%); Belgrade, Serbia (15%); Sofia, Bulgaria (20%); N00174-19-C-0021; 14 Sep 2020
 - o Naval Surface Warfare Center, Indian Head EOD Technology Division, Indian Head, MD

Griffon Aerospace Inc. (Madison, AL)

- remotely piloted targets: MQM-170 "Outlaw", MQM-171 "Broadsword", depot level repair and maintenance, some storage, BOSS, field operations services, qualification training, and inventory & transfer support; 24 Feb 2020
 - o Army Contracting Command, Orlando, FL (W900KK-20-D-0006)

ImSAR LLC (Springville, UT)

- research, develop, procure, and sustain AN/DPY-2 split aces payload systems and communications relay package for Boeing's RQ-21A Blackjack UAS; N68335-18-G-0015; 10 Oct 2019
 - o NAWCAD Lakehurst, NJ

Kratos (Sacramento, CA)

- BQM-177A subsonic aerial targets (full rate production, lot I), including technical and administrative data in support of Aerial Targets Program Office → Sacramento, CA (55.8%); Dallas, TX (17.6%); Fort Walton Beach, FL (4.6%); Springfield, PA (2.6%); Newton, KS (2.1%); Concord, CA (1.9%); Milwaukie, OR (1.8%); Santa Ana, CA (1.8%); Chatsworth, CA (1.5%); Greybull, WY (1.3%); location within the continental U.S. (9%); 29 Sep 2020
 - o NAVAIR, Patuxent River, MD (N00019-20-C-0075)

L3Harris (Ashburn, VA)

- Mid-Endurance Unmanned Aircraft Systems IV intelligence, surveillance and reconnaissance (ISR) services for SOCOM, worldwide; task orders "ensure the most capable platforms and payloads provide real-time, responsive airborne ISR solutions..."; 25 June 2020
 - o SOCOM Tampa, FL

L3Harris (Camden, NJ)

- design and fabrication of a prototype Medium Unmanned Surface Vehicle → work in Morgan City, LA (72.7%); Arlington, VA (9.8%); Jeanerette, LA (8.1%); New Orleans, LA (6.6%); Worthington, OH (1.7%); Lafayette, LA (0.9 %); Gautier, MS (0.2%); 13 July 2020
 - o NAVSEA D.C. (N00024-20-C-6312)

Scientific Systems Co. (Woburn, MA)

- continuing improvement of the software development processes to enhance cybersecurity and software safety for the Image Based Navigation for Vertical Take-off & Landing Tactical Unmanned Aerial Vehicle Shipboard Landing program in support of Northrop Grumman's MQ-8 Fire Scout → Woburn, MA (95%), and Bedford, NH (5%); N68335-15-G-0030; 12 June 2020
 - o Naval Air Warfare Center Aircraft Division, Lakehurst, NJ

Sierra Nevada Corp. (Sparks, NV)

- Tactical Automated Landing System components support for the Textron (AAI) RQ-7B drone; 6 Mar 2020
 - o Army Contracting Command, Aberdeen Proving Ground, MD (W911QY-20-D-0011)

Sigmatel Inc. (Huntsville, AL)

- technical support for the unmanned aircraft systems project manager's office, Huntsville, AL; W31P4Q-15-A-0028; 18 June 2020
 - o Army Contracting Command, Redstone Arsenal, AL

Sterling (North Sioux City, SD)

- debrief kits, ground control station record kits, and medium altitude endurance tactical units to support [General Atomics] MQ-9 development → work in North Sioux City, SD; 28 Sep 2020
 - o Army Contracting Command, Redstone Arsenal, AL (W9124P-20-C-0048)

System Dynamics International (Huntsville, AL)

- [General Atomics] MQ-9 unmanned aerial system aircrew and support services → Poway, CA; NAS China Lake, CA; Edwards AFB, CA; Palmdale, CA; Yuma, AZ; paid for using some FMS administration funds; 24 June 2020
 - o AFLCMC Wright-Patterson AFB, OH (FA8620-20-C-2001)

Systems and Technology Research (Woburn, MA)

- R&D of problems to validate and evaluate the design technologies developed by the Technology Area (TA) 1 team and the symbiosis technologies developed by TA2 teams; focus on Unmanned Underwater Vehicle related models and seed designs; 22 Sep 2020
 - o AFRL, Rome, NY (FA8750-20-C-0535)

Textron AAI

- *see separate Textron FY2020 doc*

Skyborg Vanguard Program delivery orders; Skyborg is an "autonomous attritable aircraft"; contract is for Skyborg prototyping, experimentation, and autonomy development in support of operational experimentation and developing the first Skyborg air platform with modular hardware and software payloads that will incorporate the Skyborg autonomy core system and enable manned/unmanned teaming; \$400 million IDIQ; 23 July 2020 via AFLCMC Wright Patterson AFB, OH

- Boeing, St. Louis, MO (FA8694-20-D-0400);
- General Atomics Aeronautical Systems Inc., Poway, CA (FA8694-20-D-0600);
- Kratos Unmanned Aerial Systems Inc., Oklahoma City, OK (FA8694-20-D-0700);
- Northrop Grumman Systems Corp., Palmdale, CA (FA8694-20-D-0900);

Skyborg prototyping, experimentation and autonomy development, used to deliver missionized prototypes in support of operational experimentation → work in various locations around the U.S.; 6-year IDIQ; 29 Sep 2020 via AFLCMC Wright Patterson AFB, OH

- AeroVironment Inc., Simi Valley, CA (FA8694-20-D-0100);
- Autonodyne LLC, Boston, MA (FA8694-20-D-1100);
- BAE Systems Controls Inc., Endicott, NY (FA8694-20-D-0200);
- Blue Force Technologies Inc., Morrisville, NC (FA8694-20-D-0300);
- Fregata Systems LLC, St. Louis, MO (FA8694-20-D-0500);
- Lockheed Martin,
- NextGen Aeronautic Inc., Torrance, CA (FA8694-20-D-1200);
- Sierra Technical Services Inc., Tehachapi, CA (FA8694-20-D-1300);
- Wichita State University, Wichita, KS (FA8694-20-D-1000);

future efforts associated with the maturation, demonstration and proliferation of capability across platforms and domains, leveraging open systems design, modern software and algorithm development in order to enable Joint All Domain Command and Control (JADC2); 5-year, \$950 million IDIQ contract; 23 Sep 2020 via AFLCMC Wright Patterson AFB, OH

- Amazon Web Services Inc., Seattle, WA (FA8612-20-D-0065); Anduril Industries Inc., Irvine, CA (FA8612-20-D-0066); Colorado Engineering Inc., Colorado Springs, CO (FA8612-20-D-0067); Edgy Bees Inc., Palo Alto, CA (FA8612-20-D-0068); Environmental Systems Research Institute Inc., Redlands, CA (FA8612-20-D-0069); Global C2 Integration Technologies LLC, Las Vegas, NV (FA8612-20-D-0070); General Atomics Aeronautical Systems Inc., Poway, CA (FA8612-20-D-0054); Grey Wolf Aerospace LLC, Delaware, OH (FA8612-20-D-0071); Kratos Technology & Training Solutions Inc., San Diego, CA (FA8612-20-D-0055); LinQuest Corp., Los Angeles, CA (FA8612-20-D-0056); Oddball Inc., D.C. (FA8612-20-D-0058); Red River Technology LLC, Claremont, NH (FA8612-20-D-0073); SES Government Solutions Inc., Reston, VA (FA8612-20-D-0074); Venator Solutions LLC, San Diego, CA (FA8612-20-D-0063); VivSoft Technologies LLC, Brambleton, VA (FA8612-20-D-0075)

Water – Surface & Sub-surface drones

studies of a Large Unmanned Surface Vessel 4 Sep 2020 via NAVSEA D.C.

- Austal USA LLC, Mobile, AL (N00024-20-C-6315);
- Bollinger Shipyards Lockport LLC, Lockport, LA (N00024-20-C-6316);
- Gibbs & Cox Inc., Arlington, VA (N0002420C6318);
- Huntington Ingalls,
- Lockheed Martin,
- Marinette Marine Corp., Marinette, WI (N00024-20-C-6317);

Arete Associates (Tucson, AZ)

- support the Unmanned Surface Vehicle Family of Systems; N00024-20-D-6324; 5 Feb 2020
 - o NAVSEA Washington Navy Yard, DC

Areté Associates (Northridge, CA)

- MK 18 unmanned underwater vehicles: integration services supporting incremental upgrades, block upgrades, and future generations of such drones → Tucson, AZ (75%); Valparaiso, FL (25%); 24 Aug 2020
 - o Naval Information Warfare Center Pacific, San Diego, CA (N66001-20-C-0025)

The University of California San Diego (San Diego, CA)

- improve unmanned systems and *in situ* ocean sampling → work at the Scripps Institution of Oceanography, University of California San Diego, CA; N00014-20-S-B001; 15 June 2020
 - o improve and implement new oceanographic sampling techniques and methods; experimenting “will enable data collections to support the next generation of federated oceanographic data tasking, processing and dissemination for future warfighting and oceanographic applications”
 - o Office of Naval Research, Arlington, VA (N00014-20-C-2039)

General Dynamics Missions Systems (McLeansville, NC)

- engineering support for ongoing development, test and production of the Surface Mine Countermeasure Unmanned Undersea Vehicle (SMCM UUV) program, a.k.a. Knifefish → work in Quincy, MA (52%); McLeansville, NC (27%); Braintree, MA (10%); Hanover, MD (5%); Reston, VA (5%); Ann Arbor, MI (1%); N61331-11-C-0017; 20 Jul 2020
 - o Knifefish “will provide persistent volume and bottom mine hunting capability in a contested environment”;
 - o NAVSEA D.C.

Hensel Phelps Construction (Honolulu, HI)

- design and build an undersea operational training facility in Oahu, HI, for undersea vehicle training via a combat training tank; applied instruction in topic-dedicated classrooms; and labs; N62478-20-C-4000; 15 Apr 2020
 - o NAVFAC, HI, JB Pearl Harbor, HI

Hydroid Inc. (Pocasset, MA)

- work on MK 18 systems (production & engineering support, training services); N00174-19-D-0010; 24 Apr 2020, 23 Sep 2020
 - o Naval Surface Warfare Center, Indian Head, EOD Technology Division, Indian Head, MD

Lockheed Martin (Cherry Hill, NJ)

- phase 1, R&D and demonstration of the Manta Ray extra-large unmanned underwater vehicle → Cherry Hill, NJ (30%); West Palm Beach, FL (52%); Hauppauge, NY (3%); Nikayuna, NY (2%); Sommerville, MA (2%); Cambridge, MA (1%); Honolulu, Hawaii (2%); Albuquerque, NM (1.5%); Melbourne, FL (1%); Thousand Oaks, CA (4%); Seattle, WA (.5%); Golden, CO (1%); 21 Feb 2020
 - o DARPA Arlington, VA (HR0011-20-C-0050)

materials and services to design, develop, fabricate, test, install, document and deliver prototypes for the Undersea Warfare / Undersea Defensive Family of Systems → work at contractors' sites, minimally at gov locations; 18 Mar 2020 via Naval Undersea Warfare Center Division Newport, Newport, RI; *see also separate corporations' docs*

- Barber-Nichols Inc., Arvada, CO (N66604-20-D-E001);
- Booz Allen Hamilton;
- L3;
- Leidos;
- Leonardo DRS;
- Lockheed Martin;
- MIKEL Inc., Middletown, RI (N66604-20-D-E007);
- Northrop Grumman;
- Progeny Systems Corp.;
- QinetiQ;
- Raytheon;
- Rite-Solutions Inc., Pawcatuck, CT (N66604-20-D-E012);
- SAIC;
- Systems Engineering Associates Corp., Middletown, RI (N66604-20-D-E014);
- Sechan Electronics Inc., Lititz, PA (N66604-20-D-E015);
- Sonalysts Inc., Waterford, CT (N66604-20-D-E016);
- Systems Planning & Analysis Inc., Alexandria, VA (N66604-20-D-E017);

C4ISR support

support, including project management, administration, drafting, technical integration, testing, maintenance, engineering, logistics, facilities and security for software & hardware of C4ISR systems and networks → work in the U.S. and Indo-Pacific, including Hawaii, Guam, Japan, South Korea, Singapore, Philippines, Australia; “and outside this region in Bahrain, Djibouti and Italy”; 29 Jan 2020 via Naval Information Warfare Center, Pacific, San Diego, CA

- Geocent LLC, Metairie, LA (N66001-20-D-3417);
- M.C. Dean Inc., Tysons, VA (N66001-20-D-3418);
- McKean Defense Group LLC, Philadelphia, PA (N66001-20-D-3419);
- Parsons Government Services Inc., Pasadena, CA (N66001-20-D-3420);
- SAIC, Reston, VA (N66001-20-D-3421);
- Serco Inc., Herndon, VA (N66001-20-D-3422);
- Systems Technology Forum Ltd., Fredericksburg, VA (N66001-20-D-3423);
- Valkyrie Enterprises Inc., Virginia Beach, VA (N66001-20-D-3424);
- VT Milcom Inc., Virginia Beach, VA (N66001-20-D-3425);

support the Unmanned Surface Vehicle Family of Systems; IDIQ issued 5 Feb 2020 via NAVSEA Washington Navy Yard, D.C.:

- Advanced Acoustic Concepts LLC, Hauppauge, NY (N00024-20-D-6321);
- Aerostar Technical Solutions Inc., Arlington, VA (N00024-20-D-6322);
- Arete Associates, Tucson, AZ (N00024-20-D-6324);
- Austal USA LLC, Mobile, AL (N00024-20-D-6325);
- Azimuth Inc., Morgantown, WV (N00024-20-D-6326);
- BAE Systems,
- BMT Designers & Planners Inc., Alexandria, VA (N00024-20-D-6328);
- Continental Tide Defense Systems Inc., Reading, PA (N00024-20-D-6329);
- Draper Laboratory Inc., Cambridge, MA (N00024-20-D-6330);
- General Dynamics Mission Systems Inc., Fairfax, VA (N00024-20-D-6331);
- Gibbs & Cox, Inc., Arlington, VA (N00024-20-D-6332);
- Gravois Aluminum Boats LLC, d.b.a. Metal Shark, Jeanerette, Louisiana (N00024-20-D-6333);
- HII Fleet Support Group LLC, VA Beach, VA (N00024-20-D-6334);
- Hydroid Inc., Pocasset, MA (N00024-20-D-6335);
- ICI Services Corp., VA Beach, VA (N00024-20-D-6361);
- L3 Unidyne Inc., Norfolk, VA (N00024-20-D-6336);
- Leidos,
- Lockheed Martin RMS Moorestown, NJ (N00024-20-D-6338);
- Maritime Applied Physics Corp., Baltimore, MD (N00024-20-D-6339);
- Micro Systems Inc., subsidiary Kratos-MSI, Fort Walton Beach, FL (N00024-20-D-6340);

- Northrop Grumman,
- Oasis Systems LLC, Rockville, MD (N00024-20-D-6342);
- Oceaneering International Inc., Hanover, MD (N00024-20-D-6343);
- Peraton Inc., Herndon, VA (N00024-20-D-6344);
- Q.E.D. Systems Inc., VA Beach, VA (N00024-20-D-6345);
- Raytheon,
- Reliable Systems Services Corp., Melbourne, FL (N00024-20-D-6347);
- Rolls-Royce Marine North America Inc., Walpole, MA (N00024-20-D-6348);
- SAIC Reston, VA (N00024-20-D-6349);
- System Engineering Associates Corp., Middletown, Rhode Island (N00024-20-D-6350);
- Sedna Digital Solutions LLC, Manassas, VA (N00024-20-D-6351);
- Serco Inc., New London, CT (N00024-20-D-6323);
- Spatial Integrated Systems Inc., VA Beach, VA (N00024-20-D-6352);
- Teledyne Brown Engineering Inc., Huntsville, AL (N00024-20-D-6353);
- Textron AAI Corp., Hunt Valley, MD (N00024-20-D-6354);
- Boeing,
- The Columbia Group Inc., Washington, DC (N00024-20-D-6356);
- Tridentis LLC, Alexandria, VA (N00024-20-D-6357);
- Ultra Electronics Ocean Systems (UEOS), Braintree, MA (N00024-20-D-6358);
- W R Systems Ltd., Norfolk, VA (N00024-20-D-6360);

upgrade/replace components found in the Distributed Common Ground System-Army; 25 Feb 2020 via Army Contracting Command, Aberdeen Proving Ground, MD

- Palantir USG Inc., Palo Alto, CA (W56KGY-20-D-0005);
- BAE Systems Information & Electronic SYS INT INC, San Diego, CA (W56KGY-20-D-0006);

Counter-UAS

A-Tech Corp., d.b.a. Applied Technology Associates (Albuquerque, NM)

- try and obtain a ground-based Directed Energy Weapon prototype for base defense against Group 1 and Group 2 unmanned aerospace system; phase 1 consists of prototype design, assembly and contractor test; 11 Sep 2020
 - o other transaction prototype project agreement
 - o AFLCMC Wright-Patterson AFB, OH (FA8604-19-9-4050)

Black River Systems Co. (Utica, NY)

- operational counter-small unmanned aircraft system (C-sUAS) open systems architecture: enhance & commercialize the technology and approach developed under the previous Small Business Innovation Research Phase II; FA8750-19-C-0040; 10 Aug 2020
 - o AFRL, Rome, NY

DRS Sustainment Systems (St. Louis, MO)

- Mobile-Low, Slow, Small Unmanned Aircraft System Integrated Defeat System (development, production, deployment, and support); 20 Jul 2020
 - o Army Contracting Command, Redstone Arsenal, AL (W31P4Q-20-D-0031)

SRC Inc. (North Syracuse, NY)

- development, production, deployment, and support of the Expeditionary-Low, Slow, Small Unmanned Aircraft System Integrated Defeat System (E-LIDS); 23 July 2020
 - o Army Contracting Command, Redstone Arsenal, AL (W31P4Q-20-D-0032)

Pertinent Construction

Doyon Project Services LLC (Federal Way, WA)

- build a single-story high bay undersea vehicle maintenance facility at Naval Undersea Warfare Center Division, Keyport, WA; task order N44255-20-F-4154; 17 Apr 2020

Korte Construction Co. (St. Louis, MO)

- design and build a combined intelligence, surveillance and reconnaissance group and squadron operations facility, Las Vegas, NV; 30 Sep 2020

Structural Associates Inc. (East Syracuse, NY)

- build an Unmanned Aircraft Systems [Textron AAI] Shadow hangar at Fort Drum, NY; 25 Sep 2020