

Defense Advanced Research Projects Agency (DARPA) FY2021

AeroViroment Inc. (Simi Valley, CA)

- a DARPA research project in Simi Valley, CA (74%); Palo Alto, CA (26%); contract # FA8214-15-C-0001; 28 Apr 2021 via DARPA, Arlington, VA (HR001121C0058)

Agile Defense Inc. (Reston, VA)

- unclassified IT services in Arlington, VA, for DARPA; HR0011-15-F-0002; 30 Mar 2021 via DARPA, Arlington, VA

Applied Physical Sciences Corp. (Groton, CT)

- support a DARPA research project; HR001120C0038; 2 Aug 2021 via DARPA, Arlington, VA (HR001120C0138)

Aurora Flight Sciences Corp. (Manassas, VA)

- Control of Revolutionary Aircraft with Novel Effectors (CRANE) program, phase 1 → work in Manassas, VA (50%); Tucson, AZ (26%); St. Louis, MO (15%); Los Angeles, CA (9%); HR001120C0119; 30 Jun 2021 via DARPA Arlington, VA

BAE Systems (Nashua, NH)

- a DARPA research project → Nashua, NH (54%); Cambridge, MA (28%); Marion, IL (8%); Atlanta, GA (6%); North Billerica, MA (4%); HR0011-21-C-0068; 26 Feb 2021 via DARPA, Arlington, VA

Battelle Memorial Institute (Columbus, OH)

- develop a novel, nonsurgical, bi-directional brain-computer interface with high spacio-temporal resolution and low latency for potential human use → Columbus, OH (31%); Weston, FL (47%); Miami, FL (11%); Pittsburgh, PA (11%); N66001-19-C-4019; 30 Oct 2020 via Naval Information Warfare Systems Command (NAVWAR) Pacific, San Diego, CA
- DARPA's Rational Integrated Design of Energetics (RIDE) program, phase one: develop a semi-automated system in order to provide an energetics formulation platform that addresses both powder-pressed and cast-cured formulations for explosives and propellants → Columbus, OH (25%); West Jefferson, OH (55%); Centerbrook, CT (20%); HR0011-21-C-0027; 10 Dec 2020 via DARPA, Arlington, VA
- R&D (phase 2) of an advanced networked sensor to detect and identify biological weapons of mass destruction threats in support of the SIGMA+ program; HR001119C0019; 15 Apr 2021 via DARPA, Arlington, VA

Booz Allen Hamilton (McLean, VA)

- DARPA enterprise support services for director's office management, director's office front office support, public affairs office support, legislative affairs office support, military operational liaison support, general counsel office support, strategic resources management support, international cooperation support, commercial strategy support, mission services office support, business processes directorate support, functional support to facilities and logistics directorate, and visual media services; task order HR0011-21-F-0012; 12 May 2021 via DARPA, Arlington, VA

CACI Inc. (Florham Park, NJ)

- DARPA research project for the Wideband Secure and Protected Emitter and Receiver (WiSPER¹) program → Florham Park, NJ (81%); San Diego, CA (15%); Boston, MA (4%); HR0011-21-C-0053; 25 Mar 2021 via DARPA, Arlington, VA

General Atomics Aeronautical Systems Inc. (Poway, CA)

- research, development, and demonstration of the Longshot in Poway, CA (71%); Orlando FL (14%); Buffalo, NY (7%); Kirkland, WA (5%); Pontiac, MI (3%) for DARPA; HR0011-21-C-0023; 12 Feb 2021 via DARPA, Arlington, VA
 - o <https://taskandpurpose.com/military-tech/darpa-longshot-drone-missiles/>

General Atomics (San Diego, CA)

- Demonstration Rocket for Agile Cislunar Operations (DRACO) - Track A program → San Diego, CA (71%); Louisville, CO (19%); Rockville, MD (3%); Seattle, WA (4%); Cullman, AL (3%); HR001121C0066; 9 Apr 2021 via DARPA, Arlington, VA

General Dynamics Mission Systems (San Antonio, TX)

- classified IT services for DARPA, Arlington, VA; HR0011-16-C-0001; 22 Oct 2020, 30 Mar 2021 via DARPA Arlington, VA

¹ WiSPER seeks to develop "wideband secure and protected radio interface technologies for future radio frequency systems, and will enable next-generation secure tactical radios."

General Electric Research (Niskayuna, NY)

- DARPA's Atmospheric Water Extraction program, phase 1: develop and select promising water extraction materials; 'to fabricate an Air2Water prototype device for the production of potable water that will be powered by readily-available fuel and builds directly from pioneering sorbent materials for water harvesting from desert air' → work in Niskayuna, NY (77%); Berkeley, CA (18%); Chicago, IL (3%); Mobile, AL (2%); HR001121C0020; 18 Nov 2020 via DARPA
- develop a mobile automated manufacturing platform to provide just-in-time manufacturing of nucleic acid countermeasures to rapidly produce, formulate, and package doses of nucleic acid therapeutics or prophylactics [for DARPA] → work at corporate facilities in Niskayuna, NY (52%); San Diego, CA (24%); Le Kremlin-Bicêtre, France (20%); Seattle, WA (4%); N66001-21-C-4014; 25 Jan 2021 via NAVWAR Pacific, San Diego, CA

L3Harris (Salt Lake City, UT)

- DARPA Resilient Networked Distributed Mosaic Communications (RN DMC) program, phase 1: R&D and demonstration of distributed coherent communications with an emphasis on developing a bi-directional mosaic element system that works with current tactical radios operational waveforms → Salt Lake City, UT (81%); Tempe, AZ (10%); Boston, MA (7%); Rochester, NY (2%); 19 Feb 2021 via DARPA, Arlington, VA

Lockheed Martin RMS (Riviera Beach, FL)

- support a DARPA research project, phase 1; HR001120C0139; 30 Sep 2021 via DARPA, Arlington, VA

Lockheed Martin (Fort Worth, TX)

- Control of Revolutionary Aircraft with Novel Effectors (CRANE) program: phase 1 → Fort Worth, TX (67%); Chicago, IL (17%); Niskayuna, NY (9%); Pontiac, MI (3%); Columbia, MD (2%); Tulsa, OK (1%); East Hartford, CT (1%); HR001120C0110; 12 Aug 2021 via DARPA, Arlington, VA

Lockheed Martin (Grand Prairie, TX)

- development of the integrated OpFires system, including risk reduction testing to achieve a system-level critical design maturity → Grand Prairie, TX (57%); Huntsville, AL (11%); Elkton, MD (32%); HR0011-20-C-0038; 8 Jan 2021
 - o DARPA Arlington, VA

Lockheed Martin (Palmdale, CA)

- LongShot, phase 1: R&D and demonstrate the LongShot unmanned air vehicle (UAV) → Palmdale, CA (62%); Orlando FL (29%); Tehachapi, CA (9%); HR0011-20-S-0037; 4 Mar 2021 via DARPA, Arlington, VA, (HR0011-21-C-0024)

Lockheed Martin Space (Sunnyvale, CA)

- Blackjack satellite integration program (15-month phase 2): advance the satellite integration approach "through critical design review, performing assembly, test, and integration activities on multiple types of commoditized buses, the Blackjack Pit Boss, and various payloads"; also integrate various Blackjack components into a launch vehicle for on-orbit spacecraft testing → Sunnyvale, CA (80%); Denver, CO (10%) Cape Canaveral, FL (8%); San Luis Obispo, CA (2%); HR0011-20-C-0028; 22 Apr 2021 via DARPA, Arlington, VA
- Blackjack satellite integration program (phase 3, option 3) in Sunnyvale, CA (80%); Denver, CO (10%); Cape Canaveral, FL (8%); San Luis Obispo, CA (2%); HR001120C0028; 7 Sep 2021 via DARPA Arlington, VA

Martin Defense Group (Honolulu, HI)

- Manta Ray Phase 2 program: develop control software using major subsystems and an energy harvesting module to characterize energy harvesting performance and reliability → work in Honolulu, HI (40%); Seattle, WA (30%); Arlington, VA (15%); South Kingstown, RI (10%); Raleigh and Greenville, NC (4%); Woburn, MA (1%); HR0011-21-C-0206; 29 Sep 2021 via DARPA, Arlington, VA

MRIGlobal (Kansas City, MO)

- develop a flexible detection system consisting of Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR)-based assays paired with reconfigurable point-of-need and massively multi-plexed devices for diagnostics and surveillance → Gaithersburg, MD (19%); Kansas City, MO (19%); San Francisco, CA (30%); Cambridge, MA (25%); Salt Lake City, UT (7%); HR0011-20-S-0016; 27 Oct 2020, but awarded 26 Oct 2020 via NAVWAR Pacific, San Diego, CA (N66001-20-C-4048)

Radiance Technologies (Huntsville, AL)

- Secure Advanced Framework for Simulation & Modeling (SAFE-SiM) program → Huntsville, AL; Cambridge, MA; Albuquerque, NM; Chantilly, VA; San Diego, CA; and Rome, NY; HR0011-20-C-0146; 3 Sep 2021 via DARPA, Arlington

Raytheon (El Segundo, CA)

- research for DARRPA's Fast Event-based Neuromorphic Camera and Electronics (FENCE²) program → Goleta, CA (53%); Cambridge, MA (17%); El Segundo, CA (15%); McKinney, TX (10%); Tempe, AZ (3%); NY, NY (1%); Tewksbury, MA (1%); 16 Jun 2021 via DARPA Arlington, VA (HR0011-21-C-0134)

Raytheon (Tewksbury, MA)

- work on System of Systems Enhanced Small Unit (SESU) → Tewksbury, MA (39%); Tucson, AZ (36%); Woburn, MA (13%); Clifton, NJ (12%); HR0011-20-C-0008; 14 Jan 2021 via DARPA, Arlington, VA
- research for the Joint All-Domain Warfighting Software (JAWS³) program → Tewksbury, MA (59%); Cambridge, MA (11%); Richardson, TX (3%); McKinney, TX (8%); Centennial, CO (1%); Nashua, NH (3%); Woburn, MA (15%); HR0011-21-C-0010; 15 Jan 2021 via DARPA Arlington, VA
- Airspace Tactical Automation System (ATLAS) effort supporting DARPA Air Space Total Awareness for Rapid Tactical Execution (ASTARTE) program, phase 1: R&D and demonstrate virtual and live testbed for airspace management systems, a series of algorithms for airspace planning and operations and a sensor network for delivering real-time spatial and temporal tracking of airborne platforms → Tewksbury, MA (32%); Cedar Rapids, IA (3%); Fulton, MD (7%); Cambridge, MA (48%); Dulles, VA (5%); Durham, NC (5%); 10 Feb 2021 via DARPA, Arlington, VA

Raytheon (Tucson, AZ)

- a DARPA research project → Tucson, AZ (38%); Goleta, CA (14%); Cedar Rapids, IA (48%); HR0011-21-C-0036; 11 Feb 2021 via DARPA

SEAKR Engineering Inc. (Centennial, CO)

- Blackjack Pit Boss program, phases 2 & 3; HR0011-19-S-0012; 12 Mar 2021 via DARPA, Arlington, VA (HR0011-21-C-0054)

SecuriGence LLC (Leesburg, VA)

- multi-network support: provide & manage the entire range of IT services, support, engineering and infrastructure necessary to implement DARPA IT operational, mission, and research objectives; GS-35F-626GA HR0011-21-F-0006; 14 Oct 2020 via DARPA Arlington, VA

System High Corp. (Chantilly, VA)

- program security services; task order HR0011-17-F-0001; 19 Mar 2021 via DARPA, Arlington, VA

Systems and Technology Research (STR) of Woburn, MA

- a DARPA research project for the Joint All-Domain Warfighting Software (JAWS) program → Woburn, MA (54%); Alexandria, VA (15%); Dayton, OH (14%); Menlo Park, CA (13%); Columbia, MD (2%); Fairfax, VA (2%); HR0011-21-C-0011; 21 Dec 2020 via DARPA, Arlington, VA
- Airspace Deconfliction Via Integrated Sensing & Efficient Replanning (ADVISER) effort, supporting DARPA Air Space Total Awareness for Rapid Tactical Execution (ASTARTE) program, phase 1: R&D and demonstrate virtual and live testbed for airspace management systems → Woburn, MA (55%); Orlando, FL (24%); Melbourne, FL (9%); Niskayuna, NY (6%); Lexington, MA (3%); Boulder, CO (3%); HR001120S0039; 29 Dec 2020 via DARPA, Arlington, VA

William Marsh Rice University (Houston, TX)

- develop a high-resolution neural interface that does not require surgery⁴ → work at contractor's facilities in Houston, TX (29%); Waco, TX (33%); NY, NY (20%); New Haven, CT (15%); Durham, NC (3%); N66001-19-C-4020; 9 Nov 2020 via NAVWAR Pacific, San Diego, CA (N66001-19-C-4020)

² FENCE seeks to "develop and demonstrate a low-latency, low-power, event-based camera and a new class of signal processing and learning algorithms that uses combined spatial and temporal (spatio-temporal) information to enable intelligent sensors" for "tactical applications."

³ JAWS seeks to develop a software suite to maximize effectiveness of military force through theater scale battle management command & control with automation and predictive analytics. Develop the enabling software for the warfighter to "adaptably setup and execute synchronized kill webs encompassing the undersea, sea surface, land, air, space and electromagnetic domains."

⁴ DARPA's Next-Generation Non-Surgical Neurotechnology program seeks to "broaden applicability of neural interfaces to facilitate multi-tasking at the speed of thought and interface with smart decision aids to achieve a neural link capable of high spatial and temporal resolution currently only possible using surgically implanted devices."