

# AMRDEC CONTRACT OPPORTUNITIES



## ULTRA RELIABLE DESIGNS

### Aviation Development Directorate-Ultra Reliable Designs

- Army Aviation rotorcraft of the future must be more affordable to operate and sustain. The vision is to design rotorcraft systems and components that are ultra-reliable, that have minimal, near-zero maintenance requirements during the system life. This is a new start effort subject to availability of funds.

**TITLE: Ultra Reliable Designs**

**CONTRACT TYPE: FP w/ Cost Share (VLC OTA)**

**ESTIMATED VALUE: \$1-3.4M (FY15-17), \$2.5M option (FY18-20) + 33-45% cost share**

**CONTRACTING CONTACT: TBD**

**SOLICITATION #: W15QKN-10-9-0003 (VLC OTA)**

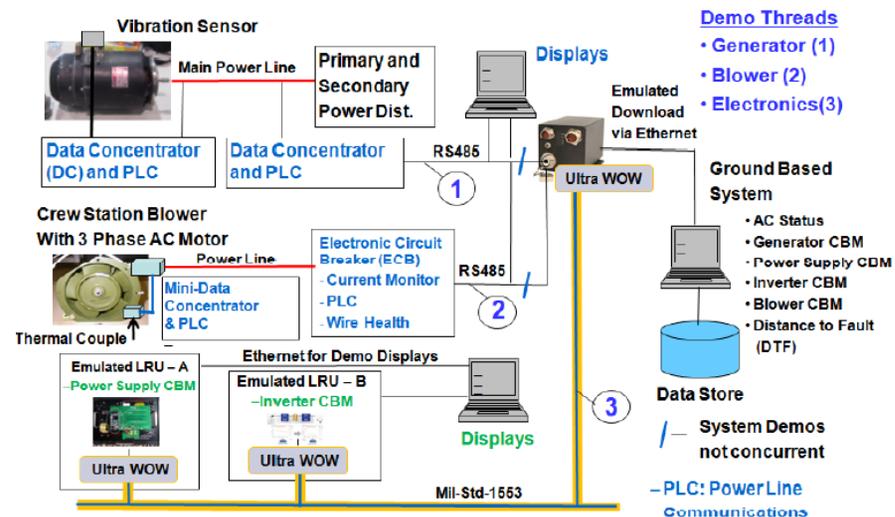
**ESTIMATED SOLICITATION RELEASE DATE: 2<sup>nd</sup> or 3<sup>rd</sup> Qtr FY15 (NET Mar 15 / NLT May 15).**



# ARMY ROTORCRAFT ELECTRICAL SYSTEM DIAGNOSTICS AND PROGNOSTICS

## Aviation Development Directorate-Army Rotorcraft Electrical System Diagnostics and Prognostics

- Applied Research and Advanced Technology Development are needed to assess the overall health of the electrical system and electrical components (e.g. wiring, power generation, power management), improve data capacity, provide advanced fault isolation and predict remaining useful life of components. The intent of this effort is to develop the capability that allows the operator to make risk based decisions concerning the rotorcraft to prevent excessive down time for inspections and troubleshooting of electrical systems and components.



# CONT'D

**TITLE: Army Rotorcraft Electrical System Diagnostics and Prognostics**

**CONTRACT TYPE: TIA**

**ESTIMATED VALUE: \$1.0-\$1.5M excluding industry cost share**

**CONTRACTING CONTACT: ACC-RSA AATD Contracting office**

**SOLICITATION #: TBD**

**ESTIMATED SOLICITATION RELEASE DATE: 2Q FY15**



## AED TECHNICAL SERVICES

### Aviation Engineering Directorate (AED) Technical Services for Aeromechanics

- Subject Matter Expert Engineering support for the evaluation of Army Aircraft in the area of Airworthiness with respect to the Aeromechanics disciplines of Aircraft Performance, Mass Properties, Handling Qualities, Flight Controls, Dynamics, Aerodynamics, and Simulation. New Task, Prior Contract #W31P4Q-10-A-0010-TO 0010.

**TITLE:** Aviation Engineering Directorate (AED) Technical Services for Aeromechanics

**CONTRACT TYPE:** FFP-LOE

**ESTIMATED VALUE:** \$50M-\$60M

**CONTRACTING CONTACT:** Joe Pollard, 256-876-1299,  
joe.w.pollard.civ@mail.mil

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** TBD/1QFY15



## AED TECHNICAL SERVICES

### Aviation Engineering Directorate (AED) Technical Services for Mission Equipment

- Subject Matter Expert Engineering support for the evaluation of Army Aircraft in the area of Airworthiness with respect to the Mission Equipment disciplines: electronics, avionics, navigation, and survivability equipment support. Technical engineering assessment of electronic equipment shall include electric power generation, electromagnetic interference, electromagnetic compatibility, and electromagnetic vulnerability. New Task, TORFQ 2014-17.

**TITLE:** Aviation Engineering Directorate Technical Services for Mission Equipment

**CONTRACT TYPE:** FFP-LOE

**ESTIMATED VALUE:** \$5M-\$10M

**CONTRACTING CONTACT:** Joe Pollard, 256-876-1299,  
joe.w.pollard.civ@mail.mil

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** TBD/2QFY15



## AED ENGINEERING SUPPORT

Aviation Engineering Directorate (AED) Technical Services for Utility Helicopter FMS

- Subject Matter Expert Engineering support for the evaluation in the area of Airworthiness of Utility Helicopter Foreign Military Sales (FMS). Follow On, TORFQ 2014-25.

**TITLE:** Aviation Engineering Directorate Technical Services for Utility Helicopter FMS

**CONTRACT TYPE:** FFP-LOE

**ESTIMATED VALUE:** \$5M-\$10M

**CONTRACTING CONTACT:** Joe Pollard, 256-876-1299,  
joe.w.pollard.civ@mail.mil

**SOLICITATION #:** 2014 T-25

**ESTIMATED SOLICITATION RELEASE DATE:** TBD/FY15



## ENGINEERING SUPPORT

### Engineering Directorate Engineering Support

- Analysis of available data for AMCOM Spares Technical Data Packages (TDPs), engineering support in the area of Supplier Interface Oversight Program (SIOP), Production Lot Testing (PLT), Maintenance and Overhaul (M&O) data review, Source Approval Requests (SARs) and Post Award and Intercept Database (PAID) technical support. Full and Open competition. Current Contract #: W31P4Q-09-A-0023/0049. Location of effort is Redstone Arsenal, AL.

**TITLE:** Engineering Directorate (ED) Spare Parts Sustainment Support

**CONTRACT TYPE:** FFP

**ESTIMATED VALUE:** \$10M-\$12M per year for 5 Years

**CONTRACTING CONTACT:** TBD, AMCOM EXPRESS Office

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** TBD



## VE SUPPORT

### Engineering Directorate Value Engineering (VE) Support

- Perform Technical VE on all Military platforms using the methodology designated in AMCR 70-8 and SAVE International. In addition to the VE methodology, identify cost drivers, clarify issues, propose solutions, and implement the chosen alternatives of the studies. Full and Open Competition. Current Contract #: W31PQ4-05-A-0031/0027. Location of effort will be Redstone Arsenal, AL, but may also be performed at other military installations (i.e., CCAD, LEAD, Ft. Rucker).

**TITLE:** Engineering Directorate Value Engineering (VE) Technical Support

**CONTRACT TYPE:** FFP

**ESTIMATED VALUE:** \$10M-\$15M per year for 5 Years

**CONTRACTING CONTACT:** TBD, AMCOM EXPRESS Office

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** TBD



## PIF OVERVIEW

The Prototype Integration Facility (PIF) is a premier provider of Rapid Response and Integrated Hardware Solutions. It is a Government-Owned and Government Operated (GOGO) contractor supported enterprise, and is 100% customer reimbursable funded. The PIF has a 12 year history as a critical part of the organic industrial base.

Current contract number is W58RGZ-12-D-0089. Follow-on has the potential to be an 8(a) competitive set aside. Location of the effort will be Redstone Arsenal, AL, local Huntsville facilities, and satellite facilities as required to accomplish projects.

Four areas of Support

- Current Operations
- Sustainment
- Technology Insertion
- Acquisition

**TITLE:** Prototype Integration Facility (PIF) 3 Supply and Services Contract, potential Competitive 8(a) set aside

**CONTRACT TYPE:** CPFF/FFP

**ESTIMATED VALUE:** \$3.5B-\$4.5B

**CONTRACTING CONTACT:** TBD, Contact AMRDEC PAO (256) 313-5742

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** Aug 2017



## SED BASES

### Software Engineering Directorate (SED) Battlefield Automation Systems Engineering Support (BASES)

- The objective of BASES will include engineering activities required to accomplish the SED mission during the acquisition, development, production, and deployed sustainment phases for Battlefield Automated Systems. This is a follow-on contract from W31P4Q-09-A-0016/003.

**TITLE:** Battlefield Automation Systems Engineering Support (BASES)

**CONTRACT TYPE:** Fixed Rate Level of Effort through AMCOM EXPRESS

**ESTIMATED VALUE:** \$170M-\$175M for 5 years

**CONTRACTING CONTACT:** TBD, Contact AMRDEC PAO (256) 313-5742

**ESTIMATED SOLICITATION RELEASE DATE:** FY15



## SED S3E

### Software Engineering Directorate (SED) Systems, Software & Security Engineering (S3E)

- The objective of this effort is to acquire Systems and Software Security Engineering Support across the following domains: Information Assurance (IA) and Cyber Security, Agent of the Certification Authority (ACA), Vulnerability Assessment, Computer Network Defense, Software Assurance, Anti-Tamper, Supply Chain Security, Cyber Research and Development, and Cyber Operations. This is a follow-on contract from W31P4Q-12-A-0001/0001.

**TITLE:** Systems, Software & Security Engineering (S3E)

**CONTRACT TYPE:** Fixed Price Level of Effort through AMCOM EXPRESS

**ESTIMATED VALUE:** \$330M-\$340M for 5 years

**CONTRACTING CONTACT:** TBD, Contact AMRDEC PAO (256) 313-5742

**ESTIMATED SOLICITATION RELEASE DATE:** FY15



## SSDD DOMS

System Simulation and Development Directorate (SSDD) Development, Maintenance, and Operations (DOMS) contract(s)

- DOMS contract(s) provide the ability to meet requirements to enhance and maintain its current suite of missile element modeling, digital simulation, Hardware-in-the-Loop (HWIL) and prototype development facilities. The contract(s) will leverage existing capabilities, explore future capabilities, develop complex interfaces, and maintain digital simulation, HWIL, and prototyping facilities. The effort will be accomplished across three areas; Simulator and Prototype Development, Interface and Operations and Maintenance. Multiple DOMS contracts are planned encompassing missile, aviation, and systems areas of emphasis. SB set-aside, Unrestricted competition. Example Contract: W31P4Q14D0017 and execution location will be at Redstone Arsenal, AL.

**TITLE:** Development, Maintenance, and Operations (DOMS)

**CONTRACT TYPE:** CPFF

**ESTIMATED VALUE:** \$100M-\$300M

**CONTRACTING CONTACT:** TBD, Contact AMRDEC PAO (256) 313-5742

**SOLICITATION #:** Unknown

**ESTIMATED SOLICITATION RELEASE DATE:** FY15/FY16



## SSDD RESEARCH

### AMRDEC System Simulation and Development Directorate (SSDD) Broad Agency Announcement (BAA)

- The SSDD BAA will encompass a broad set of topics for research including but not limited to the following areas: interceptors, threat negation, advanced simulation techniques, networks, fire control, battle management, force protection, interoperability, defense infrastructure advancement, developmental testing, and operational analysis. SB set-aside, Unrestricted competition. Example Contract: W31P4Q11D0043 and execution location will be Redstone Arsenal, AL.

**TITLE:** Broad Agency Announcement (BAA)

**CONTRACT TYPE:** CPFF

**ESTIMATED VALUE:** \$45M-\$50M

**CONTRACTING CONTACT:** Unknown

**SOLICITATION #:** TBD, Contact AMRDEC PAO (256) 313-5742

**ESTIMATED SOLICITATION RELEASE DATE:** FY15



## SBIRs & STTRs

AMRDEC Army Small Business Innovation Research (SBIR) and Army Small Business Technology Transfer (STTR) programs

- AMRDEC has participated in the Army SBIR and Army STTR programs since their inception. Designed to stimulate technological innovation and increase small business participation in federal research and development (R&D), these programs consist of three phases. STTR requires university/Federally Funded Research and Development Centers (FFRDC) partner. These programs generally define a small business as one with less than 500 employees. Proposal selections are determined via competitive, merit-based procedures.

To learn more, please visit: <https://www.armysbir.army.mil/>  
<https://www.dodsbir.net>



## SBIR/STTR OPPORTUNITIES FOR SMALL BUSINESSES ( < 500 EMPLOYEES )

**CONTRACT TYPE:** FFP for Phase I, CPFF for Phase II, IDIQ for Phase III

**ESTIMATED VALUE:** SBIR Phase I - \$100K; SBIR PH I Option - \$50K; SBIR Phase II \$1M; SBIR Phase II Enhancement - \$500K; SBIR Phase III – non-SBIR Funds

**AMRDEC SBIR/STTR CONTACT:** [AMRDECSBIR@amrdec.army.mil](mailto:AMRDECSBIR@amrdec.army.mil), 256-842-8769

**SOLICITATION #:** Posted at <http://www.dodsbir.net>

**ESTIMATED SOLICITATION RELEASE DATE:** 2015.1: 12Dec14 – 18Feb15;  
2015.2: 24Apr15 – 09Jun15

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**CONTRACT TYPE:** FFP for Phase I, CPFF for Phase II, IDIQ for Phase III

**ESTIMATED VALUE:** STTR Phase I - \$100K; STTR Phase II - \$750K; STTR Phase III – non-STTR Funds

**AMRDEC SBIR/STTR CONTACT:** [AMRDECSBIR@amrdec.army.mil](mailto:AMRDECSBIR@amrdec.army.mil), 256-842-8769

**SOLICITATION #:** Posted at <http://www.dodsbir.net>

**ESTIMATED SOLICITATION RELEASE DATE:** 2015.2: 24Apr15 – 09Jun15



## RAPID INNOVATION FUND

### AMRDEC Rapid Innovation Fund (RIF) program

- AMRDEC has participated in the Department of Defense RIF program since 2012. Designed to fund programs that facilitate the rapid insertion of innovative technologies into military systems or programs that meet critical national security needs.
- No restrictions on eligible sources. Proposal selections are determined via competitive, merit-based procedures.

To learn more, please visit: <http://www.dodrif.com>

**CONTRACT TYPE:** FFP or CPFF

**ESTIMATED VALUE:** <= \$3M

**AMRDEC RIF CONTACT:** [AMRDECSBIR@amrdec.army.mil](mailto:AMRDECSBIR@amrdec.army.mil), 256-842-8769

**SOLICITATION #:** Posted on the FedBizOps

**ESTIMATED SOLICITATION RELEASE DATE:**

May-Jun 2015



## AMRDEC TECHNOLOGY TRANSFER

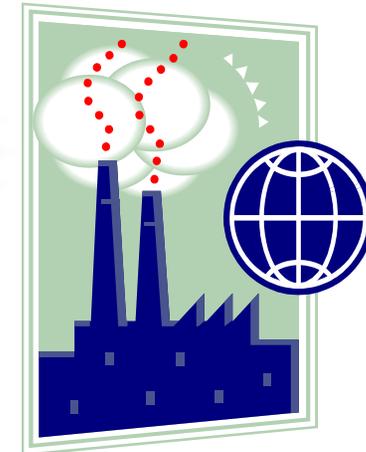
Technology Transfer strives to facilitate the transfer and co-development of “releasable” AMRDEC research and technologies to non-USG organizations using all legal mechanisms available to support the AMRDEC mission.

**What we offer** →

*AMRDEC Intellectual Property  
Scientific & Engineering  
Expertise  
Use of Facilities & Equipment*

**Who are our partners** →

- Private industry
- State & local government
- Academia
- Non-profit organizations



**TITLE:** Cooperative Research & Development Agreements, Invention Licensing Agreements, Test and Engineering Service Agreements, and Educational Partnership Agreements

**CONTRACT TYPE:** Non-FAR Agreements

**CONTRACTING CONTACT:** ORTA, 256-876-8743, [ORTA@amrdec.army.mil](mailto:ORTA@amrdec.army.mil)

**ESTIMATED SOLICITATION RELEASE DATE:**  
Continuous



