



ARMY APPLICATIONS LABORATORY **NDIA**

12.03.2021 | ART TREVETHAN | ASK ME ANYTHING



WELCOME!

The AAL Corporate Ventures team is responsible for lowering Army's barriers of entry for commercial companies



ART TREVETHAN

AGENDA

1

WHAT IS THE ARMY APPLICATIONS LABORATORY?

2

HOW TO WORK WITH AAL

3

ASK US ANYTHING!

WHAT IS AAL?



Aligning innovative solutions and technologies with Army problems, resources, and programs to rapidly discover, validate, and transition technology applications in support of Army modernization

WHO WE SUPPORT

We solve problems generated directly from Soldiers and through the AFC Cross-Functional-Teams (CFTs).

- Long-range precision fires (LRPF)
- Next generation combat vehicle (NGCV)
- Future vertical lift (FVL)
- Network (N-CFT)
- Assured positioning, navigation, and timing (A-PNT)
- Air and missile defense (AMD)
- Soldier lethality (SL)
- Synthetic training environment (STE)





WHAT WE WORK ON

CURRENT AREAS OF INTEREST

ENERGY & ELECTRIFICATION

- How do we power Soldiers, vehicles, and installations more efficiently and effectively?
- How do we leverage sources of renewable/green energy?
- How do we transmit, harvest, and store energy more efficiently?

APPLIED AI & ROBOTICS

- How does the Army employ AI and Robotics in real-world scenarios?
- How can these technologies reduce labor, time, and resources for Soldiers?
- How can AI & Robotics modernize out-of-date, difficult, & dangerous tasks?

HUMAN PERFORMANCE

- How can technology improve Soldiers' readiness and optimize their performance?
- Can the Army use new and existing sources of data to better understand its workforce?
- How do we prevent injuries and increase capabilities?



LOWERING BARRIERS TO ENTRY

AAL does things differently.

ACCESS

- Direct access to Army leaders, decision-makers, and end users
- Solution Innovation teams for co-design with Soldiers & solvers
- Projects aligned with funded Army programs from the start
- Hands-on demos & experiences

TRANSPARENCY

- Corporate Ventures team focused on lasting relationships
- Use channels and language that are familiar to commercial folks
- Remove constraints to focus on problems, not “requirements”
- Align what you do to what we need

CAPITAL

- Pathways to larger and more enduring contracts
- Contracts up to 90% faster than comparable programs
- All non-dilutive funding options
- \$39.8M awarded to 90 companies since inception

HOW TO WORK WITH AAL



HOW TO WORK WITH AAL

INTRODUCTORY ENGAGEMENTS

- ✓ This session!



TELL US WHAT YOU'RE BUILDING

- We need to know what's out there, and we need to respect your time
- help us validate problems
- be the first to know about relevant AAL projects
- <https://aal.army/join/>

PROJECT SOLICITATIONS

- Special Topics, SPARTN, etc.
- Projects have Army stakeholders' buy-in
- <https://aal.army/get-involved/>



OPEN OPPORTUNITIES

More projects coming soon.
Learn more: <https://aal.army.spartn/>

HUMAN PERFORMANCE

Key words: Health & Human Fitness Management System, mental/spiritual/nutritional fitness

Vehicle: Direct to Phase 2 SBIR

Contract: Up to 3 companies up to \$500k/company, 6 month PoP

Deadline: Dec 29, 11:00am CT

VERTEX ENERGY EVENT

Key words: grid power, electric fleets, Soldier power

Location: Virtual, In-Person (Austin) by application only

Dates: Feb 8-10

Register: armyvertex.com

PROJECT CONVERGENCE 22

Key words: Robotics, AI/ML, Medical, Cyber, Cloud Computing, Sensors, PNT, Autonomy

Deadline: Dec 31, 2021

Register: <https://armyfuturecommand.com/convergence/>



NEXT STEPS WITH AAL

Jot down this information!
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Army Applications Laboratory
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Website:
<https://aal.army>

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Keep an eye out for emails from
our team

THANK YOU



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