

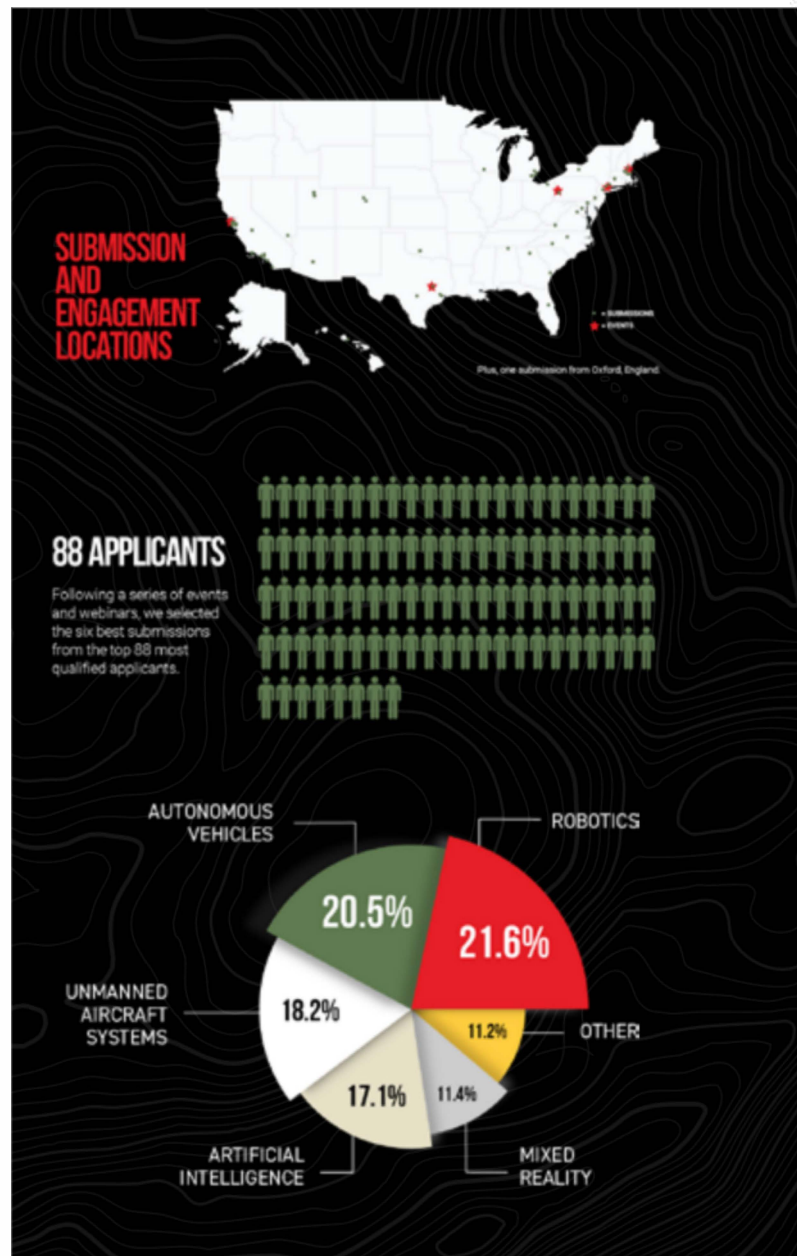
# CASE STUDY // THE FIELD ARTILLERY AUTONOMOUS RESUPPLY (FAAR) COHORT

**MISSION PARTNER //** Long Range Precision Fires Cross Functional Team (LRPF CFT)

**THE PROBLEM //** While the U.S. Army has advanced considerably since WWI, our approach to storing, shipping, and loading munitions hasn't fundamentally changed in the past 100 years. Yet, the commercial market has driven incredible advancements and efficiencies in similar areas through automation and robotics. LRPF CFT wanted to go beyond the conventional requirements process and find ways to apply current innovations to improve performance — while reducing costs and human effort — of field artillery weapon supply chain systems and processes.

**THE APPROACH //** We began by helping the LRPF CFT identify autonomous resupply as a missed opportunity in current operations. From there, we sought to learn more about their specific needs and how to best present them to industry solvers. Working together, we hosted a series of events and webinars to introduce the problem and the FAAR Cohort opportunity to our commercial innovation ecosystem. These activities generated interest from nearly 400 entities, 88 of which later submitted qualified applications to join the Cohort. Our team collected and reviewed the applications and, ultimately, selected six companies to participate.

**THE FAAR COHORT //** The 12-week FAAR Cohort program began with orientation in Austin, Texas, on 13 January 2020. During the following week, participants traveled to Ft. Bliss alongside AAL and LRPF CFT teams to witness live fire drills and get a firsthand look into the problem we are working to solve. With that information, FAAR Cohort participants began working on their concept design briefs and will receive direct input on those concepts from LRPF CFT at Ft. Sill during Week 7. The FAAR Cohort program will complete with focused concept presentations to LRPF CFT leadership, technical experts, program managers, and other partners in Austin on 1 April. At a minimum, these concepts will be used to inform future requirements documents and LRPF CFT's approach to new capability development.



## ABOUT THE ARMY APPLICATIONS LABORATORY

We're not a laboratory in the traditional sense of the word. As the U.S. Army's innovation unit, we don't make things — we make things possible. The Army Applications Laboratory (AAL) is fundamentally reshaping how the Army works with industry to reunite American innovation and national security. Together, we question *why* and deliver *what if*. Learn how we do it at [aal.army](http://aal.army).