Grant Opportunity

Defence and Security Accelerator (DASA): Innovation in support of operations.

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DASA is seeking innovative, scalable solutions with rapid production capabilities and competitive pricing across 4 key challenges for this funding competition.

Successful proposals must be demonstrable within three months of contract award for potential full-scale adoption.

This competition runs in three cycles until December 3rd, with continuous submission and rapid evaluation. The goal is to swiftly implement solutions addressing emerging global threats and securing a strategic advantage.

Grant amount: Funded proposals are expected to be in the range of £50,000 - £200,000

Deadline: Three cycles in this competition – 10th September 22nd October 3rd December





Challenge 1: Novel and enhanced scale complex manufacture or materiel.

This challenge seeks to develop enhanced technology or enable manufacturing/production methods that improve capability and performance in the following areas:

- Energetics (Including novel formulations and materials)
- Warhead fill including initiators
- Artillery propellant
- Energetic propulsion compounds
- Shell cases (currently metal casting / pressing or propellant cases including polymer cartridges
- Shell fuzes (complex electro-mechanical mechanisms
- Seekers and terminal guidance units used against RF transmitters, UAS, medium to large maritime targets
- One Way effector / drone motors Electric or otherwise
- Image intensifying tubes for night vision applications at increased capability and scale and/or reduced costs

Grant amount £50,000 - £200,000

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Challenge 2: Autonomous system navigation and applique options

This challenge is seeking ways to make legacy ground vehicles (military, agricultural and construction) operate with basic autonomy. Ideally able to function in communications and GNSS denied or degraded environments.

Additionally seeking new UAS navigation solutions that can interface with industry standard architecture (for example CubePilot Cube Orange). The UAS mist be able to operate in GNSS denied or degraded environments and determine its own position within 50 metres accuracy.

This challenge is not seeking new UAS platforms, but for the purposes of demonstrating the UAS navigation innovation the innovator is to provide the demonstration platform.

Grant amount £50,000 - £200,000





Challenge 3: Wide-area Sense and Detect.

This challenge is looking for reduced cost, low probability of intercept, wide-area sense and detect including (but not limited to) air search (including passive) and the function of 3D counter-battery radar.

Potential threats to be detected include adversary RF emitters: adversary ISR assets e.g. drones, vehicles or personnel; adversary weapons in flight such as mortars, rockets, and artillery.

Proposed solutions must be as self contained and low impact to the force using the solution as possible, placing particular emphasis on the protection and vulnerability of any users of the solution.

Grant amount £50,000 - £200,000





Challenge 4: Innovative solutions for minefield breaching.

This challenge is for innovators developing methods to effect a breach of conventional but deep and extensive and heavily protected minefields, quickly, cheaply, and with sufficient regard for personnel protection. Solutions could utilize mechanical, explosive, or a combination of these or other methods to produce a 'safe lane' to allow follow-on forces to conduct opposed offensive operations at scale.

The final product will eventually have to consider the full range of Defence Lines of Development (DLOD) but should focus on the ability to generate high numbers of breaching systems generated from cheap and available input resources.

Obfuscation of intent in the close and rear, ease of use, and robustness under both fire and electronic attach will be essential considerations so that the users and capability is as survivable as possible when in use.

Grant amount £50,000 - £200,000





Get in touch

Contact us today to discuss your project.

Email: <u>Grants@streets.uk</u>

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How can Streets help?

Grant Search:

The grants landscape is complex and wide, knowing what funding options are available for your projects can save you time and resources. We can understand your projects and business aims and identify the most relevant funding areas for your business

Grant Writing

Writing a grant application can be a time consuming and difficult process with very low success rates. Streets bring a unique understanding of the application process including eligibility requirements and the ability to create compelling applications to not only increase your chance of winning but also free up your time and resources to focus on core business activities.

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