

INSTINCT

Technology Demonstrator 2009

Request for Demonstrators

Introduction

The UK Government has a comprehensive strategy – known as CONTEST – in place to counter the threat to this country and to our interests overseas from international terrorism. On 14 August, the United Kingdom's Science and Technology Strategy for Countering International Terrorism was launched. Further information can be found at: <http://security.homeoffice.gov.uk/science-innovation/science-innovation-strategy/>

The Science and Technology Strategy explains how the government will use science and technology to reduce the risk we face from terrorism. It details our intention to enhance our understanding and engagement with the innovation community, and to create realistic test environments.

To support this aim, the Office for Security and Counter Terrorism established INSTINCT (INnovative Science and Technology IN Counter Terrorism), a programme that seeks innovative solutions to address the objectives of CONTEST. Further information on INSTINCT can be found at: <http://security.homeoffice.gov.uk/science-innovation/instinct/>

Following rigorous competition, INSTINCT has selected Detica, a BAE Systems Company, to deliver a Technology Demonstrator. This will allow the demonstration and evaluation of novel tools and technologies to model and predict crowd behaviour. Suppliers will be offered the unique opportunity to evaluate and display their products and services in a real world setting in front of VIPs from across the end-user community.

The objective

The objective is to improve our ability to understand and model crowd behaviour, in order to counter terrorism. To achieve this, both a physical and a virtual 'crowded place' environment will be provided. Those with approaches or technologies which could allow us to understand better the behaviour of a crowd as a whole will be invited to test their capabilities in these environments.

Understanding the behaviour of crowds is expected to involve systems that can measure crowd movement, model their behaviour and predict how they react to events. Proposals are sought from suppliers with innovative solutions offering such capabilities either in part or in full. There are no restrictions on the type of organisations that can respond. Equally, there are no restrictions on the maturity of the solutions.

The exercise

Those selected to take part in the Technology Demonstrator will initially be provided with access to a virtual 'crowded place' in which to demonstrate their crowd modelling and prediction systems. Equipment and engineering expertise will be available to assist with integration.

The programme will culminate in a two-week exercise, where selected products can be tested in a real 'crowded place' environment. Equipment, systems and support will be provided by Detica to enable suppliers to take part. A series of trials will be conducted to evaluate the products and services selected for inclusion.

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Opportunities will also be available for those who have less mature technologies to exhibit these to potential users.

The process

A response template is provided below. This should be completed and copies sent to both:

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2 Marsham Street
London
SW1P 4DF

Phone: 0207 035 0631
Email: CONTESTscience@homeoffice.gsi.gov.uk

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Apex Tower
New Malden
Surrey
KT3 4LH
Mobile: 07824 313 888
Email: INSTINCT@detica.com

If completing the template would involve sharing confidential information, please contact us - we will be happy to enter into a non-disclosure agreement with you. Please note that successful applicants will be required to agree to their technologies being evaluated by our expert panel. Please contact us for more information.

All proposals will be scored by a panel of experts made up of counter terrorism specialists, operational users, and leading academics. The scoring mechanism will be based on the proposal's relevance to the challenge, the level of innovation, the technical and commercial viability and its potential impact on reducing the risk to crowded places.

Proposals received by the 8th September will be advised on the decision of the expert panel by the 21st September. The closing date for proposals is the 25th September with final decisions being made by the 9th October.

Legal disclaimer

By submitting a response you warrant that (i) you have the right to disclose the information contained in the response; (ii) you are not using any third party information or intellectual property in your response; and (iii) your response does not breach any confidentiality obligations that you owe to any third party.

You acknowledge that (i) you will be liable for any and all costs incurred by you or any third party in providing your response to us; (ii) you will be liable for costs incurred to facilitate any discussions with regard to such response; (iii) Detica Limited, BAE Systems or any other party have no liability whatsoever to you with regard to your response; (iv) Detica Limited, BAE Systems or any other party have no obligation whatsoever to award any work to you on receipt of your response; and (v) the creation of a response does not in any way create a legal relationship between you and any other party mentioned in this Request for Demonstrators.