CRITICAL INCIDENT MANAGEMENT TRAINING SYSTEM USING AN INTERACTIVE SIMULATION ENVIRONMENT

Fact Sheet

**Project Information**

**CRISIS**

- Grant agreement ID: 242474
- Project website
- Status: Closed project
- Start date: 1 May 2010
- End date: 31 October 2013

Funded under: FP7-SECURITY

- Overall budget: € 4,590,310.18
- EU contribution: € 3,495,612

Coordinated by: MIDDLESEX UNIVERSITY HIGHER EDUCATION CORPORATION

United Kingdom

**Objective**

CRISIS is a 42-month project to research and develop an advanced critical incident management, interactive simulation environment for training security and emergency personnel in airport operational security. The prototype to be delivered will be distributed, scalable, collaborative interactive simulation environment that will enable training of crisis managers and their staff at airports, at different levels of the organization. The prototype system will avoid the simulation paradigm where the trainee selects one of a number of pre-set drill oriented choices at a predictable decision point. Instead, using an interactive games paradigm, the trainees will be able to practice situation and cue assessment, problem diagnosis, decision making and action coordination, in real-time in response to a critical incident. Currently, one key problem hindering the maintenance of a high level of preparedness in operational security organizations at airports is the long 2-year wait between major exercises. In CRISIS, we will enable organizations and individuals to train-on-demand, and as frequently as needed due to the innovations, such as end-user re-configurability of training scenarios. This will allow staff to train individually 'playing' against the system, as a team within an organization, across organizations, and at different levels of the command hierarchy. CRISIS will adopt a 3-stage development strategy, integrating, testing and iteratively evaluating user performance at each step of the way. The CRISIS consortium brings together a powerful combination of expertise in User modeling...
and requirements engineering, Games and simulation, Software engineering, distributed systems, and security, Decision sciences and technology, User performance evaluation, to deliver capability for training and improving operational security preparedness at airports.

Field of Science

/natural sciences/computer and information sciences/software

Programme(s)

FP7-SECURITY - Specific Programme "Cooperation": Security

Topic(s)

SEC-2009-4.3-03 - Simulation, planning and training tools and methods for management of crises and complex emergencies

Call for proposal

FP7-SEC-2009-1

See other projects for this call

Funding Scheme

CP - Collaborative project (generic)

Coordinator

MIDDLESEX UNIVERSITY HIGHER EDUCATION CORPORATION

Address
The Burroughs, Hendon .
Nw4 4bt London

Activity type
Higher or Secondary Education Establishments

EU Contribution
€ 528 280

Website

Contact the organisation

Administrative Contact
Michael Butterworth (Mr.)

Participants (12)
<table>
<thead>
<tr>
<th>Organisation</th>
<th>EU Contribution</th>
<th>Country</th>
<th>Address</th>
<th>Activity type</th>
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<tbody>
<tr>
<td>XVR SIMULATION BV</td>
<td>€ 221 030</td>
<td>Netherlands</td>
<td>Westlandseweg 40, 5e Verdieping</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
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<tr>
<td>STICHTING NATIONAAL LUCHT- EN RUIMTEVAARTLABORATORIUM</td>
<td>€ 408 203</td>
<td>Netherlands</td>
<td>Anthony Fokkerweg 2 1059cm Amsterdam</td>
<td>Research Organisations</td>
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<tr>
<td>OBJECTSECURITY LIMITED</td>
<td>€ 338 600</td>
<td>United Kingdom</td>
<td>Cowley Road St Johns Sinnovation Centre Cb4 0ws Cambridge</td>
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<td>SPACE APPLICATIONS SERVICES NV</td>
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</table>
HASKOLI ISLANDS
Iceland
EU Contribution
€ 295 511,01

Address
Saemundargotu 2
101 Reykjavik

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation
Administrative Contact
Ebba Hvannberg (Prof.)

A E SOLUTIONS (BI) LIMITED
United Kingdom
EU Contribution
€ 338 036

Address
Stone Pippin Orchard 9
Badsey
Wr11 7aa Evesham

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Website
Contact the organisation
Administrative Contact
Rick Adderley (Dr.)

ANA - AEROPORTOS DE PORTUGAL, SA
Portugal
EU Contribution
€ 183 500

Address
Rua D - Edificio 120,
Aeroporto De Lisboa
1700-008 Lisboa

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Website
Contact the organisation
Administrative Contact
Isabel Maria Almeida Ribeiro Oliveira (Ms.)
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<td>British Transport Police Authority</td>
<td>€ 26 600</td>
<td>Camden Road 25, NW1 9LN London</td>
<td>Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)</td>
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<td>ISAVIA OHF</td>
<td>€ 29 124</td>
<td>Reykjavikurugvelli, 101 Reyjavik</td>
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<td>SHELTERLAND APS</td>
<td>€ 206 770</td>
<td>Nannasgade 28, 2200 Copenhagen N</td>
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