

Request for Information *Presentation of solutions selected for demonstration*

2nd PRoTECT European Seminar
17th July 2020

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Evaluation Approach

- Each municipality established an independent evaluation committee
- Evaluation methodology followed as described in the RfI document
- Individual evaluation workshops held in cities with the support of local stakeholders (either remotely / in person)



Indicative Photo: Workshop Larissa

Municipality	Workshop Dates
Larissa	22, 23 June 2020
Eindhoven	11, 23 June 2020
Malaga	18, 22, 23 June 2020
Vilnius	30 June 2020
Brasov	25 June 2020

- Solutions selected by the cities were validated by Project's General Assembly
- Demos regarding multiple candidacies were agreed among municipalities for:
 - Optimizing project results
 - Efficient use of available funds

Proposals Submitted

Registered Users	86
Registered Entities	74
Submitted Proposals	35
Entities submitted	28

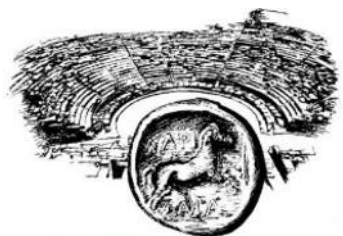
Submissions by country



Submissions per city

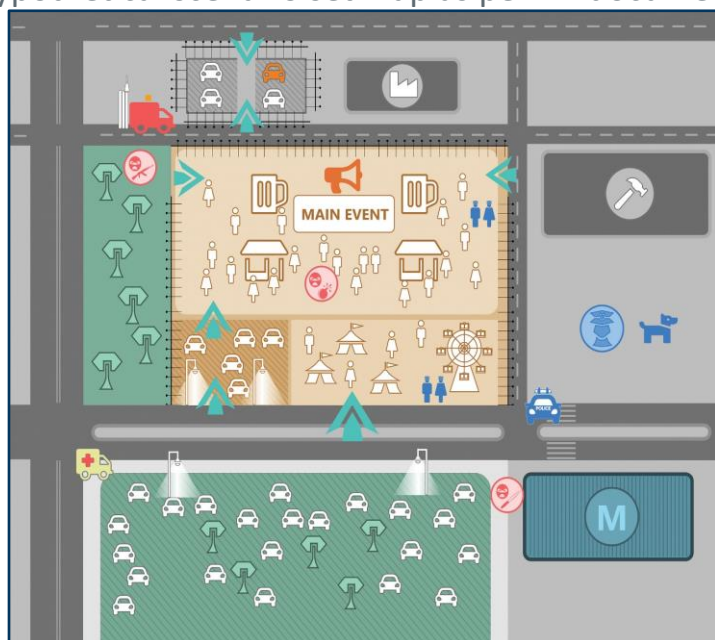
City	Proposals
Larissa	19
Eindhoven	23
Malaga	22
Vilnius	24
Brasov	20

City of Larissa – Scenario 1



ΔΗΜΟΣ ΛΑΡΙΣΑΙΩΝ
MUNICIPALITY OF LARISSA

Hypothetical scenario set – up as per RfI document



Solution provider	Name of solution
Terracom	QR-Patrol
NSION Ltd.	NSC3 Situational awareness platform
XVR Simulation B.V.	<ul style="list-style-type: none"> • XVR On Scene: • joint-agency interdisciplinary exercise • Situational Awareness and Standard Operating Procedures e-learning • HMD training on situational awareness, spotting and coordination
Apstec International Trading Ltd.	Apstec System's Human Security Radar
FAST PROTECT GmbH	TERRA 4D - Geo Referenced Security & Safety Management

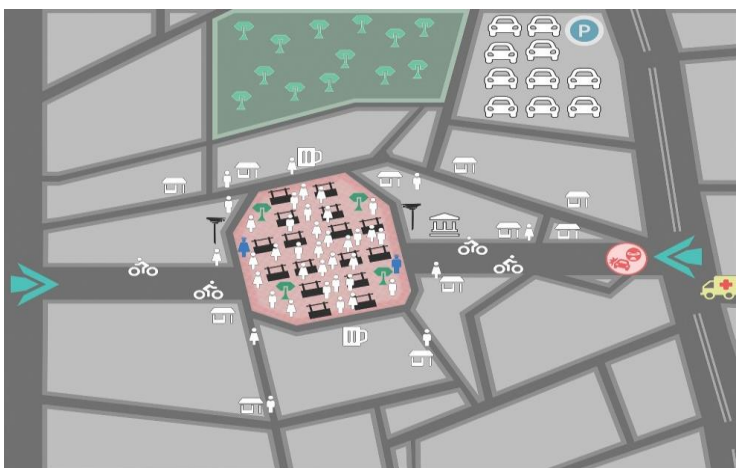
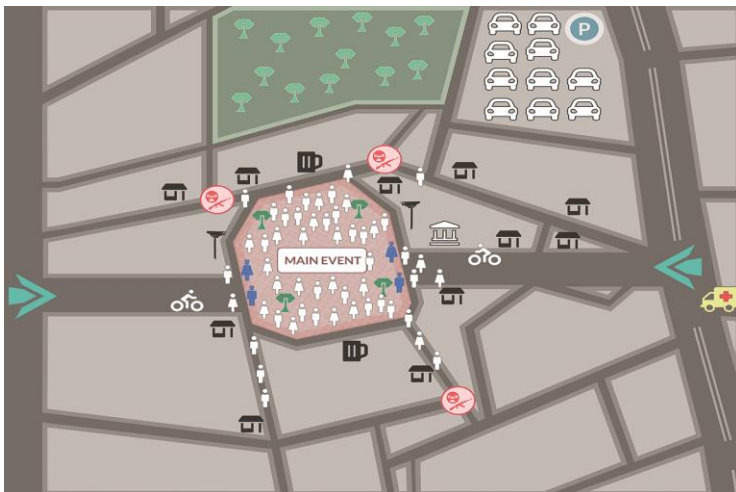
City of Larissa – Scenario 1

Solution provider	Name of solution	Short description
Terracom	QR-Patrol	<ul style="list-style-type: none"> An innovative cloud/mobile platform for online guarding & patrolling. It is targeted to law enforcement agencies, first responders, physical security companies and enterprises in need to monitor their premises and equipment (hospitals, hotels, universities, shipping companies, etc.).
NSION Ltd.	NSC3 Situational awareness platform	<ul style="list-style-type: none"> NSC3™ is a software platform for easy and effective operations — stream and store secured live video and data from field to office and to other operators on field.
XVR Simulation B.V.	<ul style="list-style-type: none"> XVR On Scene: joint-agency interdisciplinary exercise Situational Awareness and Standard Operating Procedures e-learning HMD training on situational awareness, spotting and coordination 	<p>XVR On Scene is 3-dimensional Virtual Reality simulation software</p> <ul style="list-style-type: none"> Joint-agency exercises, aimed at practicing interdisciplinary and trans-disciplinary coordination and stimulating scenario thinking, are ever more facilitated by virtual reality simulation XVR Expo is a e-learning addition to XVR On Scene. It is aimed at providing immersive online, self-led education to police officers, public safety and security personnel, firefighters and (para)medical officers. The XVR On Scene module is aimed at training operational and tactical level (bronze and silver) emergency responders, law enforcement and security officers. XVR On Scene provides the trainee with an interactive and immersive 3D view of the incident scenario
Apstec International Trading Ltd.	Apstec System's Human Security Radar	<ul style="list-style-type: none"> HSR is a high throughput, automatic & real time, security screening system. It comprises 2 pillars that contain both emitting and receiving antennae. The passage between the pillars is up to 2.2m wide, thereby enabling large numbers of people to pass through the system at the same time
FAST PROTECT GmbH	TERRA 4D - Geo Referenced Security & Safety Management	<ul style="list-style-type: none"> Unifies all available security systems and data allowing preparation for blended attacks presenting information in a simplified 3D geographic context. Matches physical assets with their real-world location, allows decision makers to visualise the correlation of intelligence and GIS technologies and enables actionable intelligence.

City of Eindhoven – Scenario 2



Hypothetical scenario set – up as per RfI document



Solution provider	Name of solution
Northgate Public Services (UK) Limited - part of the NEC Group	NEC NeoFace Watch; and NEC Enhanced Video Analytics (EVA)
ViNotion B.V.	Monitoring Urban Dynamics for Situational Awareness of Public Safety
Sorاما B.V	Sorاما Listener platform.
ADITESS Advanced Integrated Technology Solutions & Services Ltd	adiTASK Incident Reporting and Awareness Tool
First Responder Technologies Inc.	WiFi-Based Concealed Weapon Detector



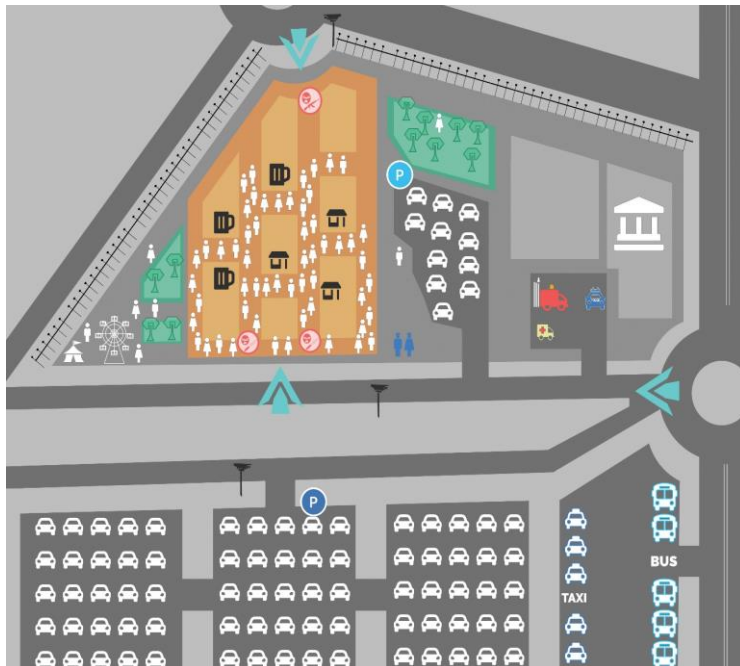
City of Eindhoven – Scenario 2

Solution provider	Name of solution	Short description
Northgate Public Services (UK) Limited - part of the NEC Group	NEC NeoFace Watch; and NEC Enhanced Video Analytics (EVA)	<ul style="list-style-type: none"> Real-time Face Recognition and behaviour analytics including people counting, Crowd estimation and object detection to INFORM security services personnel and enable them to RESPOND to events as they happen, ultimately protecting the public and often saving lives in the process.
ViNotion B.V.	Monitoring Urban Dynamics for Situational Awareness of Public Safety	<ul style="list-style-type: none"> ViSense Urban Dynamics is an existing AI-based product of Vinotion, capable of monitoring the movement of people, bicycles and vehicles in an urban environment. Designed for single camera sensors monitoring a square, street or intersection
Sorama B.V	Sorama Listener platform.	<ul style="list-style-type: none"> Built up out of sound sensor units with 64 microphones each that can hear what is going on in the public domain. Using Smart algorithms our Smart City solutions can immediately detect loud vehicles, aggressive or angry people, breaking glass, attacking drones and many other sound disturbances or anomalies.
ADITESS Advanced Integrated Technology Solutions & Services Ltd	adiTASK Incident Reporting and Awareness Tool	<ul style="list-style-type: none"> incident reporting and situational awareness tool used to provide collaborative real-time communication between agencies and members of the public
First Responder Technologies Inc.	WiFi-Based Concealed Weapon Detector	<ul style="list-style-type: none"> The system uses commodity WiFi components to enable the detection of concealed firearms and bladed weapons. By analyzing the WiFi signal transmitted between two of our system's posts or "bollards," we can assess metal objects carried by people on their person and in bags.

City of Malaga – Scenario 3



Hypothetical scenario set – up as per RfI document



Solution provider	Name of solution
AEORUM ESPAÑA SL	SURVEIRON: Global information and drone operation network
GRADIANT	Counter-UAS by Gradiant
INSTALACIONES Y ESTRUCTURAS DE SEGURIDAD URBANA SL	BOLARTECH - Mobile Bollard
MC2 TECHNOLOGIES	NEROD
MARSHALLS MONO LTD	Crash Tested Street Furniture and Steel Bollards

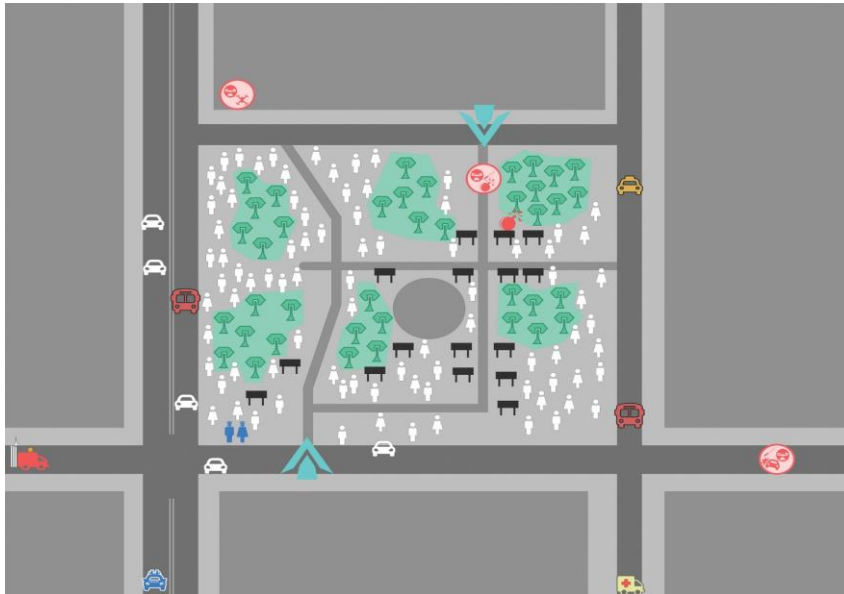
City of Malaga – Scenario 3

Solution provider	Name of solution	Short description
AEORUM ESPAÑA SL	SURVEIRON: Global information and drone operation network	<ul style="list-style-type: none"> SURVEIRON is a smart, scalable and centralized platform for managing and controlling all types of drone operations in real time, remotely. It enables an easy drone deployment, allowing the operators to control everything on a single command centre.
GRADIANT	Counter-UAS by Gradient	<ul style="list-style-type: none"> Counter UAS by Gradient is a competitive solution for the detection, identification, tracking and neutralization of Unmanned Aerial Systems (UAS), uses a modular approach composed of different sensors and effectors, together with a Command and Control center equipped with visualization capabilities.
INSTALACIONES Y ESTRUCTURAS DE SEGURIDAD URBANA SL	BOLARTECH - Mobile Bollard	<ul style="list-style-type: none"> Bollard Bolartech is a mobile and autonomous passive security system. Made of steel and concrete with connectivity 24 hours 365 days. This security system is designed to limit, warn or deter vehicles that want to access a certain area.
MC2 TECHNOLOGIES	NEROD	<ul style="list-style-type: none"> NEROD is a jammer efficient against 98% of commercial drones. The jamming covers several frequency bands (3 to 7 on demand) and is effective against frequency hopping. Easy to use and intuitive, like a classic rifle: targeting is done with the Aimpoint and jamming is activated by pulling the trigger.
MARSHALLS MONO LTD	Crash Tested Street Furniture and Steel Bollards	<ul style="list-style-type: none"> The RhinoGuard® range of Hostile Vehicle Mitigation barriers includes bollards, seating, planters, litter bins and cycle stands, allowing security measures to be hidden in plain sight Meaning any development can be made safe without having a detrimental effect on the aesthetic qualities of the space.

City of Vilnius – Scenario 4



Hypothetical scenario set – up as per RfI document



Solution provider	Name of solution
Herta	BioSurveillance NEXT
Smiths Detection	Anomaly Detection & Cognitive Intelligence Platform
WEB-IQ B.V.	VOYAGER
Level Five Supplies limited	SENSR
Chris Butler Associates Ltd	SCIMON

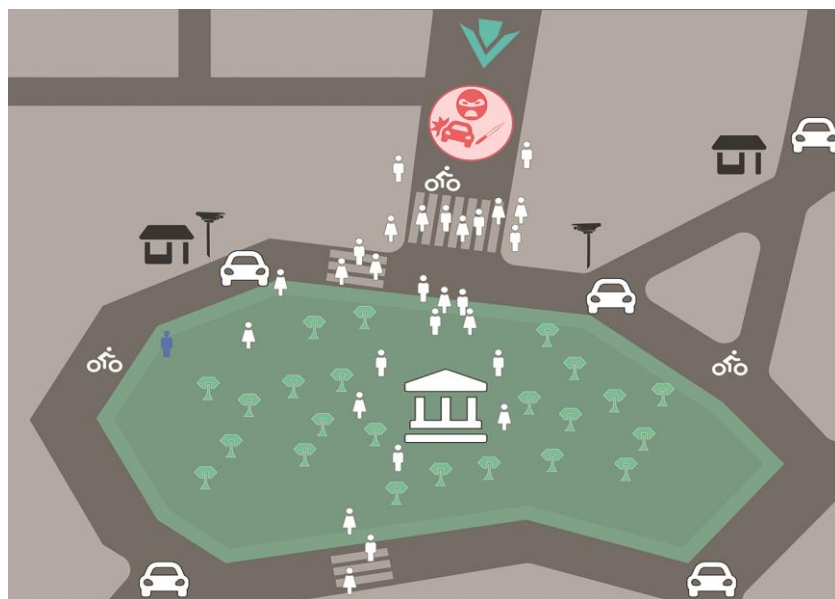
City of Vilnius – Scenario 4

Solution provider	Name of solution	Short description
Herta	BioSurveillance NEXT	<ul style="list-style-type: none"> high performance video-surveillance solution for facial recognition, specially designed for the simultaneous identification of subjects in crowded and changeable environments
Smiths Detection	Anomaly Detection & Cognitive Intelligence Platform	<ul style="list-style-type: none"> The prototype consists of commercial off-the-shelf CBRNE sensors, proven state-of-the-art data fusion and modelling algorithms and an information management network that will provide superior situational awareness and decision support
WEB-IQ B.V.	VOYAGER	<ul style="list-style-type: none"> Open Source Intelligence (OSINT) software used to retrieve, analyze, categorize and visualize large amounts of data gathered from the Internet, DarkNet, Darknet markets and Social Media. Voyager captures online data sources and builds actionable intelligence by analyzing the captured data and allowing teams to find new evidence, get valuable insights and discover trends.
Level Five Supplies limited	SENSR	<ul style="list-style-type: none"> 3D perception software engine paired with Ouster LiDAR sensors, used for security, smart cities, area monitoring including social distancing.
Chris Butler Associates Ltd	SCIMON	<ul style="list-style-type: none"> Tracks changes, moving objects, trends, signatures, identifies unknown terrain types via machine learning and much more. Over 40+ behaviours included without development. Analyses >150TB of video in real time with integrated AI and machine learning; any sources and types simultaneously.

City of Brasov – Scenario 5



Hypothetical scenario set – up as per RfI document



Solution provider	Name of solution
Sabre Global UK	First Response Tech WiFi concealed threat detection, DroneHunter, DroneKiller, Raptor, Centurion
everis Aeroespacial y DEFensa SLU	Event Awareness and Security Tool (EAST)
Kromek Ltd	Radiation Detection Systems
Pandora Intelligence	Pandora Intelligence
Pixpro, UAB	PIXPRO photogrammetry based 3D terrain threat prevention

City of Brasov – Scenario 5

Solution provider	Name of solution	Short description
Sabre Global UK	First Response Tech, DroneHunter, DroneKiller, Raptor, Centurion	<ul style="list-style-type: none"> First Responder Tech: WiFi based concealed weapons detection system in the world. DroneHunter is a fully autonomous intelligent (robotic) aircraft. It's patented design offers a unique solution for counter UAS measures DroneKiller is a portable, handheld CUAS solution The Raptor is a rapid deployment steel vehicle barrier that will repel vehicles that try to crash through it. The Centurion is a mobile Rapid Deploy Guard Tower
everis Aeroespacial y Defensa SLU	Event Awareness and Security Tool (EAST)	<ul style="list-style-type: none"> Solution is a Soft Targets in Crowded Places security solution that aims to cover the entire security cycle, including the preparation, operation and post event activities (typically a report in case nothing abnormal occurred during the event, or an investigation in case a threat materialized or something unexpected happened)
Kromek Ltd	Radiation Detection Systems	<ul style="list-style-type: none"> Early detection of a Dirty Bomb placed in a public location. Kromek manufactures both body carried and drone mounted radiation detection systems. The units detect both Gamma and Neutron and provide the operator with an instantaneous display of what the isotope that has been detected. It classifies the Isotopes into Medical, Industrial, Naturally occurring or Special Nuclear materials
Pandora Intelligence	Pandora Intelligence	<ul style="list-style-type: none"> Innovative way to fight crime and terrorism by using a scenario model that enables Law Enforcement Agencies to combine historic data with actual information about current developments.
Pixpro, UAB	PIXPRO photogrammetry based 3D terrain threat prevention	Innovative photogrammetry based solution for: <ul style="list-style-type: none"> Capturing open space terrain with drone Converting data into 3D Mesh Data analysis and prediction Situation modeling and (optional) integration with VR

Next Steps

- Each municipality is going to contact providers through the email account provided during the proposal submission process - next 10 working days
 - arranging logistical aspects
 - details regarding the demonstration needs
 - envisioned timeline
 - clarifications on compensation process
- In case of non-selected applicants, wishing to provide demo at own costs, please contact corresponding POC as per table below.
- Demonstration dates and locations not yet finalized due to COVID-19 pandemic
- Will be timely communicated once finalized

Please contact us should you require further information / clarifications at: rfi.protect@kemea-research.gr

Thank you for your attention!