



Major Cities of Europe
IT Users Group

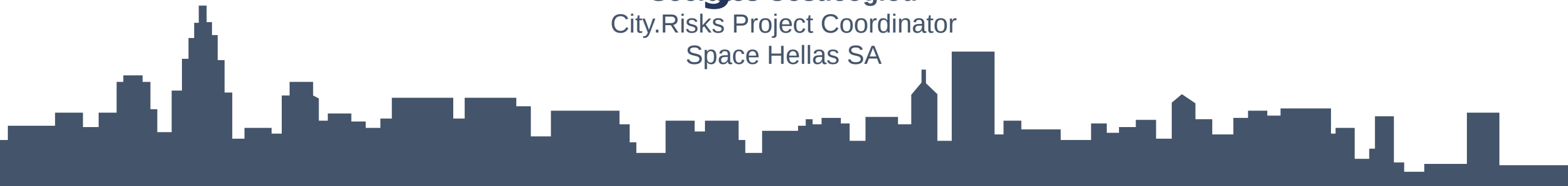
Zagreb June 12-14 2017



CITY.RISKS

Increasing the Perception of Security of Citizens in Cities and Reducing the Fear of Crime

City.Risks Project Coordinator
Space Hellas SA





SAFETY AND SECURITY IS NUMBER ONE PRIORITY FOR EUROPEAN CITIES

IN HALF OF THE EU CAPITALS, AT LEAST 25% OF RESPONDENTS
DISAGREE THAT THEY FEEL SAFE IN THEIR CITY

*Flash Eurobarometer , Quality of Life in European Cities , January 2016

An aerial photograph of New York City at dusk. The Empire State Building is the central focus, illuminated with red lights. The city skyline is visible in the background, with many buildings lit up. The sky is a mix of blue and orange, indicating the time is either dawn or dusk. The text is overlaid on the image in a bold, white, sans-serif font.

**FEAR OF CRIME IS AN IMPORTANT ASPECT
OF URBAN SECURITY**

**IT IS NOT ONLY REDUCING THE ACTUAL RISK OF
CRIME BUT ALSO REDUCING THE FEAR OF CRIME**

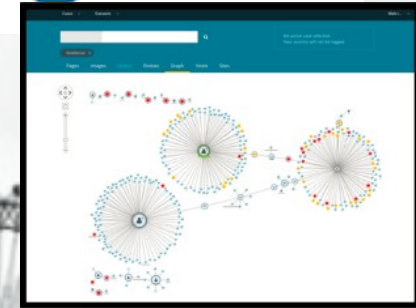


**NEW INFORMATION AND COMMUNICATIONS
TECHNOLOGIES
CHANGE OUR LIFE AND OUR CITIES**

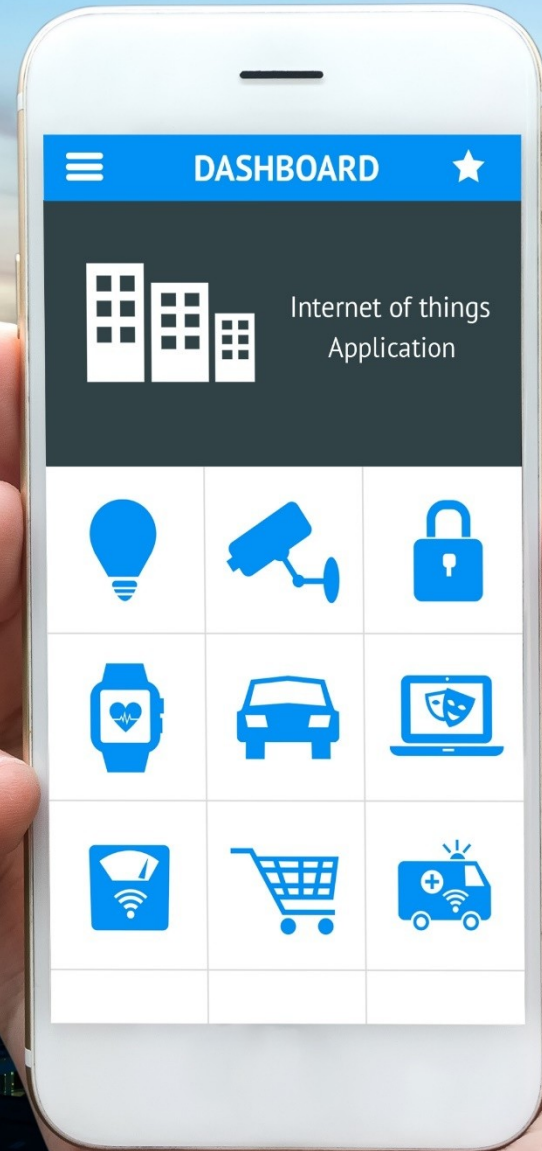
CITIES ARE BECOMING SMART AND DIGITAL

KEY ICT ENABLING TECHNOLOGIES

- ❑ Mobile devices and apps
- ❑ Social Media
- ❑ Augmented Reality
- ❑ Open Source Intelligence – Big Data
- ❑ IoT Devices – and sensors



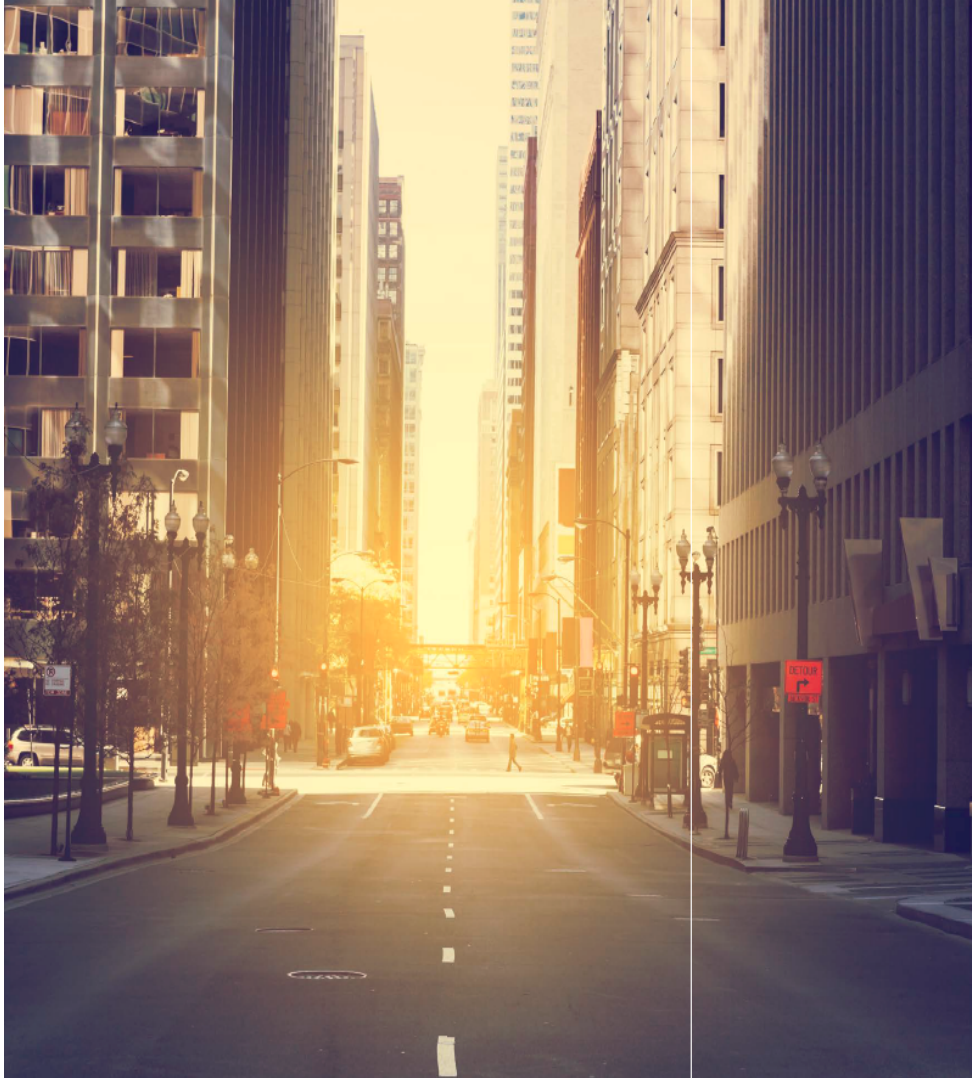
 **ICT PROVIDES NEW TOOLS
TO FOSTER THE
PARTICIPATION AND
EMPOWERMENT OF THE
CITIZEN**





An aerial view of New York City at dusk. The Empire State Building is the central focus, illuminated with a vibrant red light. The surrounding cityscape is filled with numerous skyscrapers, some of which are lit up with warm yellow and white lights. The sky is a deep blue with some light clouds. The overall atmosphere is one of a bustling city at the end of the day.

**TECHHNOLOGY IS A KEY ENABLER
TO MAKE PEOPLE GET INVOLVED AND ENGAGED
IN THE ISSUE OF SAFETY,
TO CHANGE THE BEHAVIOR OF PEOPLE AND
CREATE SAFER CITIES AND INCLUSIVE PUBLIC SPACES**



City.Risks aims at reducing the fear of crime and increasing the perception of security of citizens in cities by:

- Leveraging a set of innovative technologies, city infrastructures, and available data sources
- Activating in a more transparent and sustainable way their participation in communities
- Making citizens' smart-phones the modern tool for increasing their personal and collective sense of security, to involve citizens and obtain their feedback
- Leveraging the power of social media and open source Intelligence

Full Title

- Avoiding and Mitigating Safety Risks in Urban Environments

Funding Programme

- Horizon 2020 “FCT-10-2014 - Urban Security Topic 1 - Innovative solutions to counter security challenges connected with large urban environment”

Duration

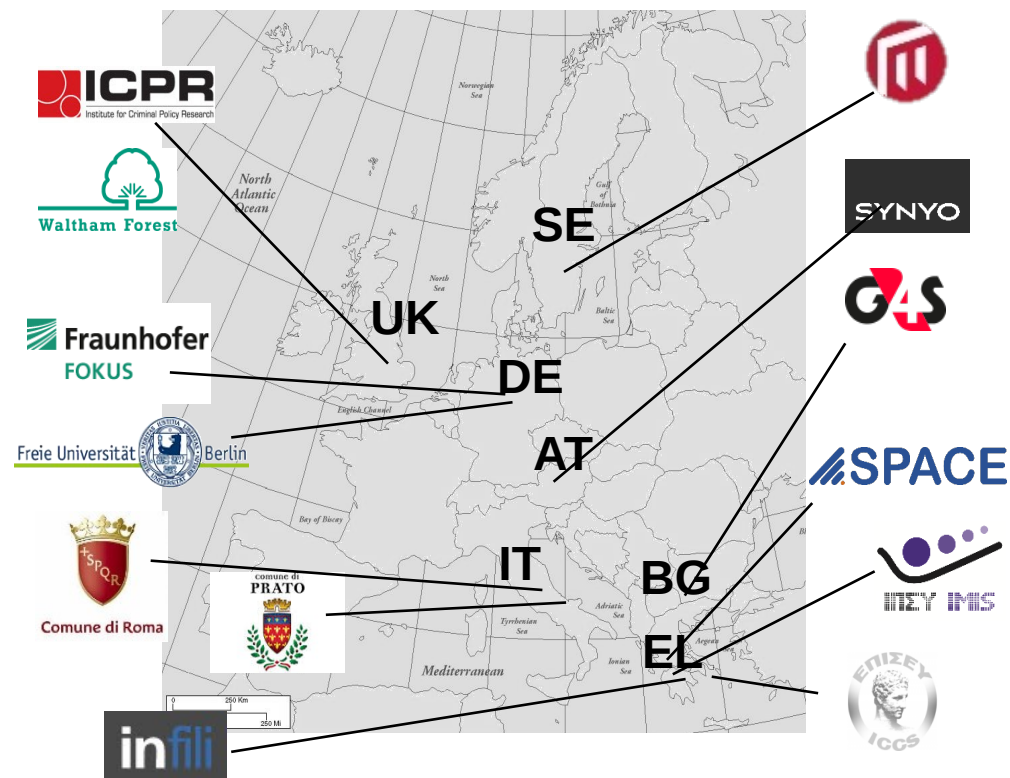
- 36 Months (May 2015 – April 2018)

Budget

- € 3,934,811.00

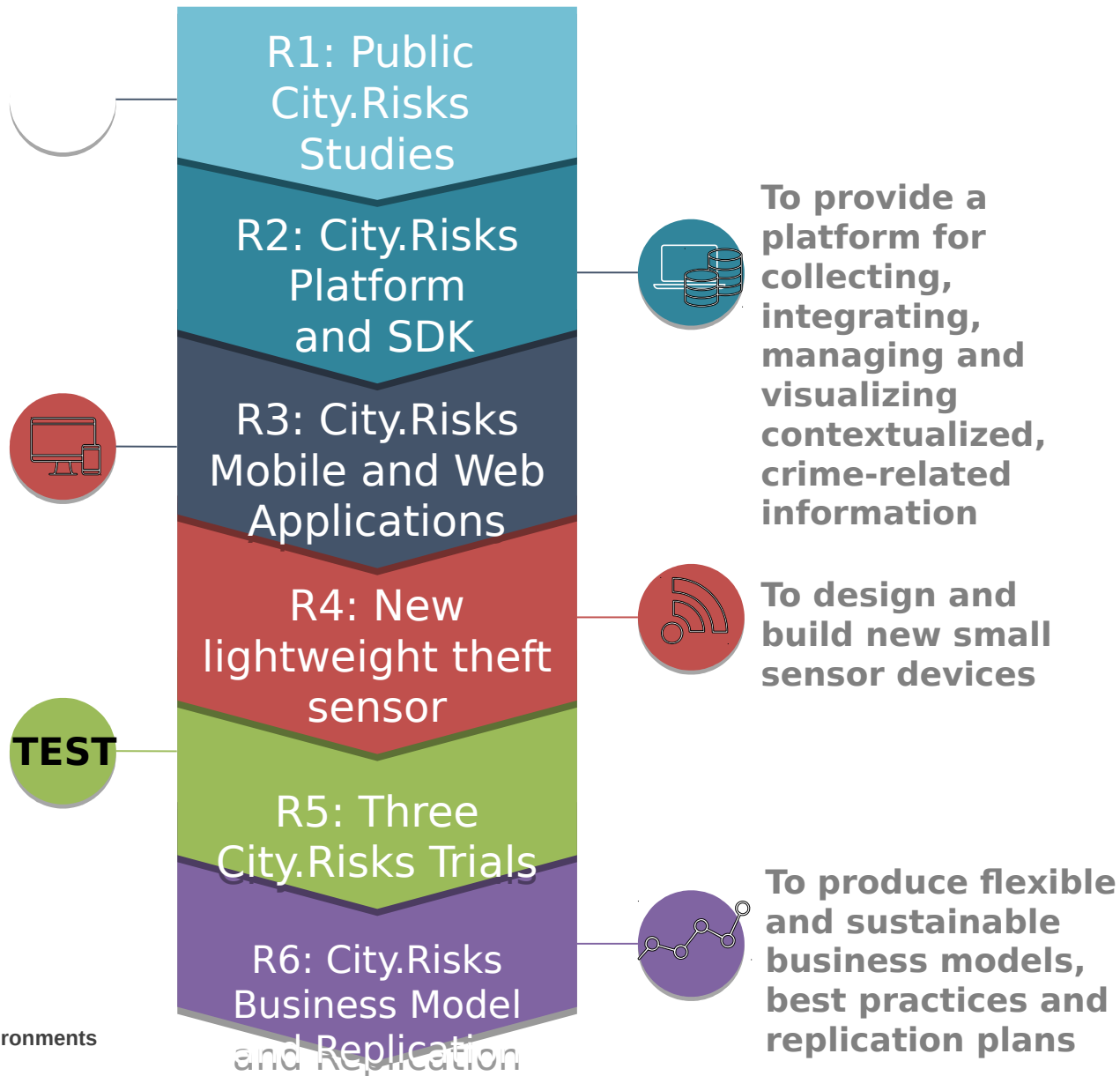
Coordinator

- Space Hellas S.A. (GR)



To provide an in depth analysis of urban security challenges and factors of fear of crime

To design and develop an ecosystem of mobile services that for sharing safety-critical information with the appropriate authorities and ~~citizens~~ ~~citizens~~ evaluate the developed solutions and technologies in real-life scenarios and settings





IMPACT OF FEAR OF CRIME ON BEHAVIOR



More women than men were fearful of becoming the victim of a crime.



70% said that the quality of their lives were affected 'to some extent' or 'a great deal' by the fear of crime



Many reported modifying or changing behaviors as a result, especially in Rome



Burglary was the crime type most feared in Waltham Forest and Rome

The survey findings show that there is an appetite among citizens in the three European cities to engage with technologies aimed at mitigating risks.



Smart Phones • Augmented Reality • BLE Sensors • Machine Learning • Geo Data



CORE OUTPUTS

SUPPORTING OUTPUTS



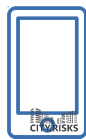
Theft
Sensors



Web
Portal



Project
Website



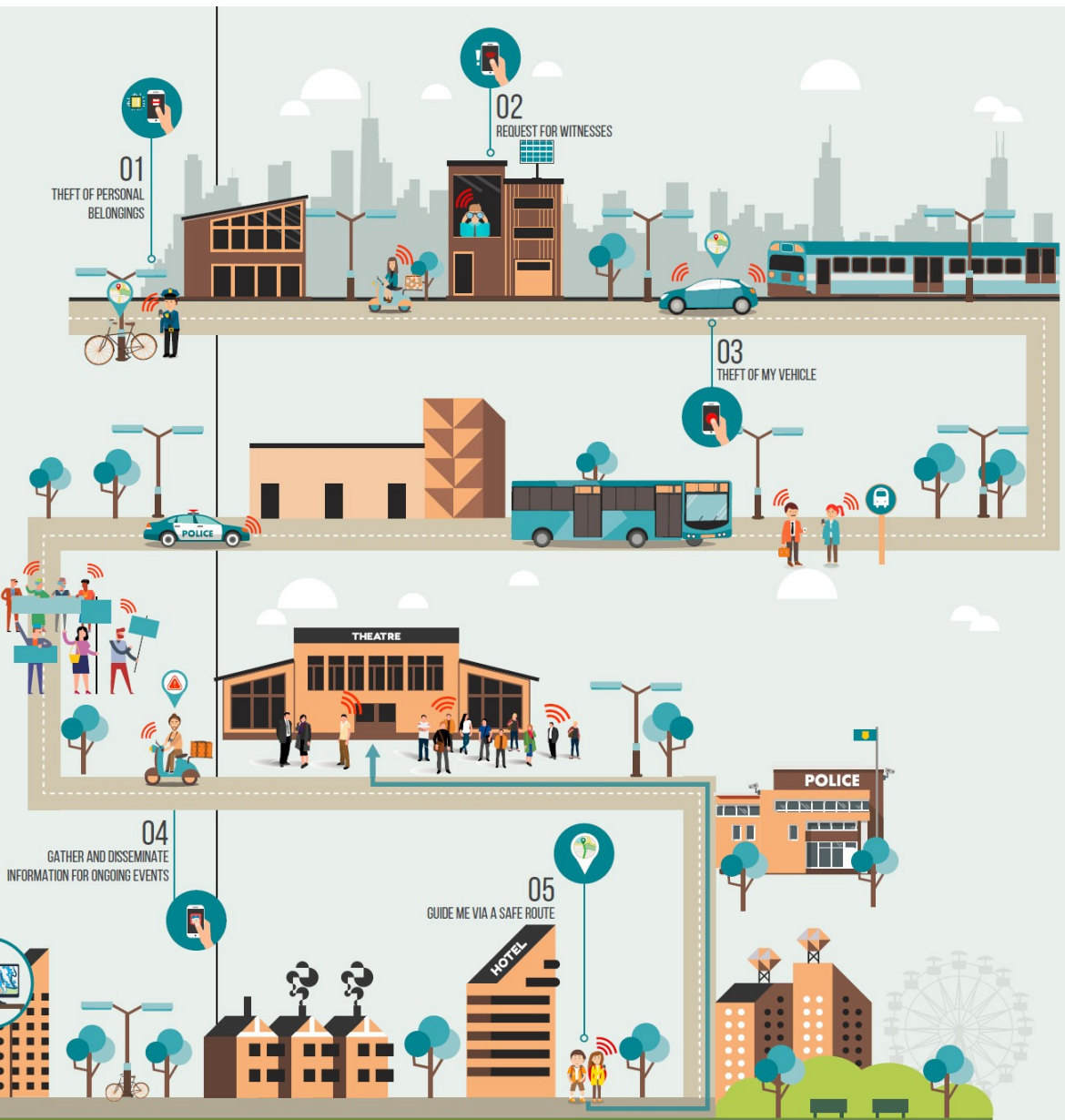
Mobile
App



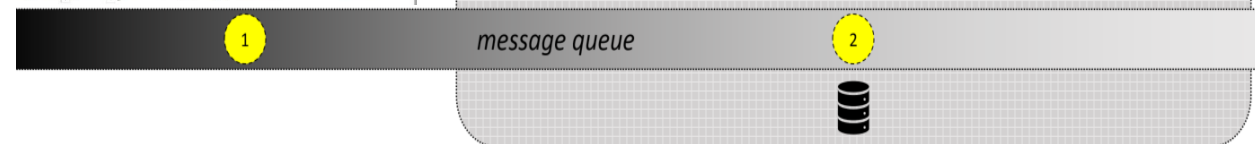
Operation
Center



Open
Information
Hub



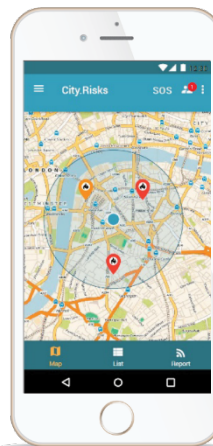
- (1) Incident manager send messages to queue
- (2) State of queue is stored in database
- (3) Select incidents from queue
- (4) Verify, edit, annotate incidents
- (5) Incident with highest priority assigned
- (6) Edit, annotate incidents
- (7) Agents request alert, Supervisor releases alert



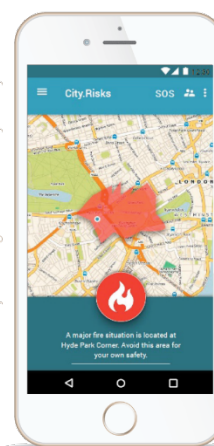
Share information with other users and report issues to the authorities



Use the map view to see the crime activity near you



Detect and avoid major endangered areas from your city

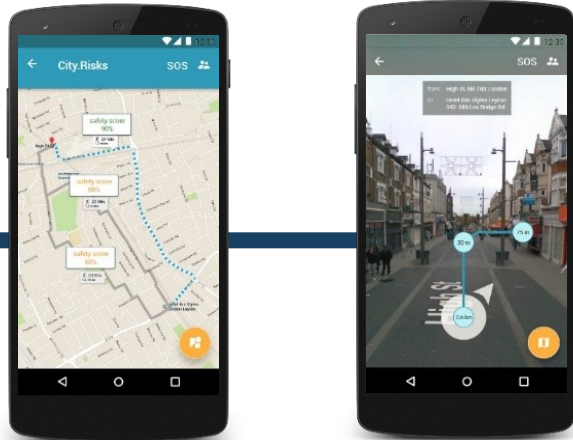


Guide your way using augmented reality to a safer destination



1 Information gathering and dissemination

Share information for ongoing events and report incidents to the authorities



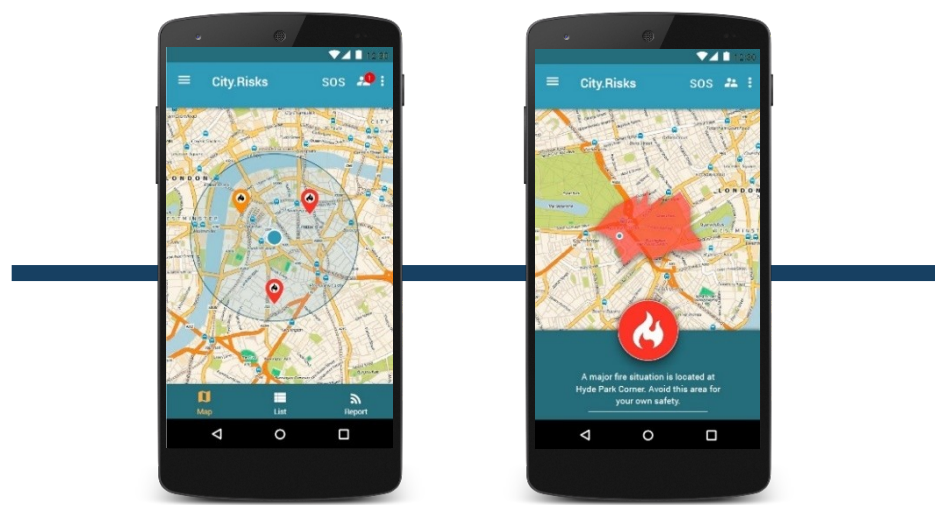
3 View Crime History of my City

know more about the past crime history in your city



2 Guide me to a Safe Route

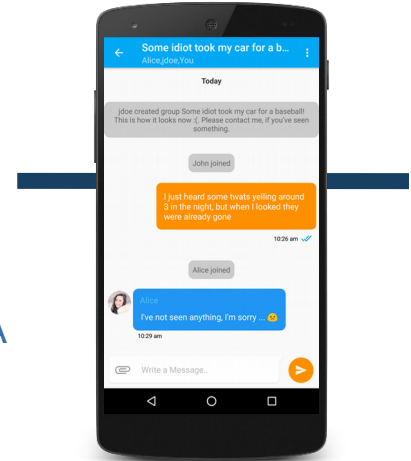
Guide your way using street map view or augmented reality to a safer destination.





4 Request for Witness

Is your object stolen or lost? Request for a witness eye through the City.Risks APP. A collaborative way might be a better way to identify who and where..



5 Theft of Personal belongings

Register the City.Risks sensor using the mobile APP, attach it to your object and track it through City.Risks system in collaboration with the operation centre.



Waltham Forest, UK

*750 participants

Population
256,800



47%

Fear of being a victim

For
48%

of them the quality of life is affected
by the fear of crime

Sofia, Bulgaria

*750 participants

Population
164,875



85%

Fear of being a victim

For
100%

of them the quality of life is affected
by the fear of crime

Rome, Italy

*21.132 participants

Population
2.9 Mil



80%

Fear of being a victim

For
70%

of them the quality of life is affected
by the fear of crime

Thanks For Your Attention!



AVOIDING AND MITIGATING SAFETY
RISKS IN URBAN ENVIRONMENTS

PROJECT.CITYRISKS.EU

