

LETSCROWD tool presentation cards

LETSCROWD - Law Enforcement agencies human factor methods and Toolkit for the Security and protection of CROWDs in mass gatherings - aims to develop an integrated system for crowd protection during mass gatherings, by providing the following to security policy practitioners:



A dynamic risk assessment methodology for the protection of crowds during mass gatherings centred on human factors in order to effectively produce policies and deploy adequate solutions.



A set of human centred tools for Law Enforcement Agencies (LEAs), including real time crowd behaviour forecasting, innovative communication procedures, semantic intelligence applied to social networks and the internet, computer vision techniques.



A policy making toolkit for the long-term and strategic decision making of security policy makers, including a database of empirical data, statistics and an analytical tool for security policies modelling.

etra I+D



Hochschule für den Öffentlichen Dienst
in Bayern
Die Hochschule
Polizei

crowd dynamics



ZenaByte



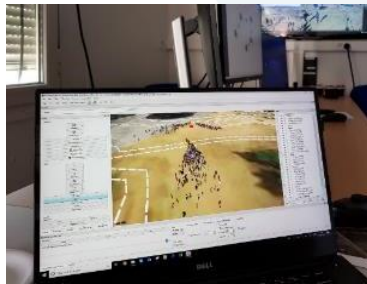
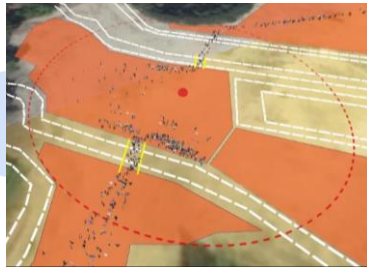
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Polizia di Stato



LETSCROWD Crowd Modelling and Planning Tool



The CMPT is a collection of advanced crowd simulations that allow enforcement agencies to analyse crowd behavior at mass gatherings for planning, training or operational uses.

When should the CMPT be used?

- Before a mass gathering occurs to understand likely situation and risk, to plan or test LEA responses to potential incidents, to plan or test crowd management strategies.
- During operation of a mass gathering, in real-time to aid operational decision making by providing a forecast of crowd behavior.

What should the CMPT model?

- Crowd movement patterns and density levels that are expected at an event.
- Evacuation of the mass gathering.
- Crowd management strategies (e.g. rerouting crowds).
- LEA intervention tactics.
- Communication strategies (placement of information sources).

IN SHORT: Software to plan for crowds attending a mass gathering, to simulate the crowd movement in normal and emergency situations, and to display the results in understandable ways, in 3D.

VIDEO: youtu.be/HoP_1kOvq_U

WHO IS THIS TOOL FOR?

The tool is for use by LEAs who wish to assess crowds at events and mass gatherings. It can also be used by expert advisors such as security companies, event organisers or engineers and architects.

WHAT IS THE ADDED VALUE OR BENEFITS FOR LEAS OPERATORS AND OTHER STAKEHOLDERS?

The added value of the tool is that crowd movements, area capacities, strategies for intervention or management can all be tested in advance of an event to enable prevention of crowd related incidents. This is also true during the event, where strategies to move, disperse or evacuate crowds can be simulated and tested to get better awareness of potential impact *before* implementation. This will allow much better situational awareness through prediction and lead to better decision making in prevention of unwanted accidents.

WHEN SHOULD THE TOOL BE USED?

The tool is useful throughout all phases of an event, even for unplanned events such as spontaneous protests. It would normally be used to plan for crowds at mass gatherings, testing scenarios before the event happens, assessing consequences of risk to the crowd of certain management techniques etc. It would then be used during operations to test certain scenarios like closing streets, the potential impact of police crowd control tactics or crowd management as it changes through the event. Post event, it can be used to assess what could have been improved, why crowd movement was impeded in different situations.



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