



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:

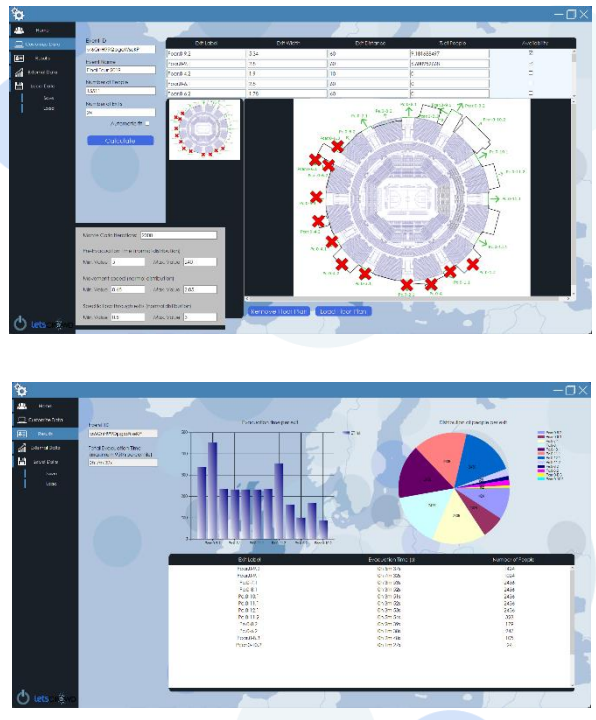
 A dynamic risk assessment methodology for the protection of crowds during mass gatherings centred on human factors in order to effectively produce policies and deploy adequate solutions.

 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.



LETSCROWD Real Time Evacuation Tool (RTE)



The RTE tool is a software to simulate the evacuation of crowds at mass gatherings providing results in real-time. The model configuration involves:

- Event: The user defines the crowd size, the number and width of the available exits and the distance from the crowd to each exit.
- Key random parameters: the user can modify the people response times, walking speeds and flows through the exits.

The tool performs hundreds of simulations for the same scenario to capture all potential outcomes. The outputs are the total evacuation times, the evacuation times per exit and the exit use.

The user can easily assess different scenarios by directly change exit availability, potential exit use and/or key random parameters.

IN SHORT: Real-time evacuation modelling and simulation for mass gatherings

VIDEO: youtu.be/XhSaUmBcUK8

WHO IS THIS TOOL FOR?
The RTE tool is designed for **LEAS** (those units in charge of security management) and **stakeholders in charge of safety** of mass gathering events.

WHEN SHOULD THE TOOL BE USED?
Both for Event planning and during the event to:

- Explore the impact of actual or potential incidents.
- Define actual or potential evacuation strategies.

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

- Easy to use.
- For outdoor and indoor events.
- Stochastic approach.
- Results in a few seconds.
- Useful for planning and real-time decision-making.
- Validated against real environment conditions.

