

# SECURESTATION NEWSLETTER



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## FOREWORD

The past year has been an exciting time within the SECURESTATION project, it has been a period where we have started to see the tangible outputs from the hard work which has gone into this project. We now have a completed risk assessment methodology, and simulations and models of fire, blasts and chemical dispersion for each of the scenarios considered in the project. The final handbook is beginning to take shape and we are looking forward to its completion at the end of 2013.



Wishing you all a good summer  
Marga Martin-Sanchez  
Project co-ordinator

## DELIVERABLES COMPLETED IN THE LAST YEAR

The following deliverables have been successfully completed in the past 12 months. The project deliverables are classified as – confidential, restricted or public. All of the project's "public" deliverables are available to download from our website [www.securestation.eu](http://www.securestation.eu).

- D3.2 - Risk Assessment Methodology – (CO)
- D4.1 - First Outline for the Constructive Design Handbook – (CO)
- D4.2 - Constructive Design Handbook Based on WP1 and WP2 results – (CO)
- D5.1 - Analytical and Numerical Methodologies for Evaluation and Design for Physical Resilience – (CO)
- D6.1 - Modelling Results for Critical Fire Scenarios – (CO)

CO – Confidential PU- Public

## MEETINGS AND VISITS

### TEL AVIV – CONSORTIUM MEETING AND VISIT TO BEN GURION INTERNATIONAL AIRPORT – SECURITY DIVISION - OCTOBER 2012

The 6 monthly consortium meeting held in Tel Aviv, Israel during October 2012 provided an opportunity to review the progress of all of the current deliverables and to prepare the month 18 reports.



Also arranged as part of the visit was a meeting between the SECURESTATION consortium and Ben Gurion International Airport Security Division. This provided an excellent opportunity for information exchange, and of particular interest were the security methods used in airport security, including their layered security approach and their approaches to minimising the impact of security measures to the passengers.

### SAN SEBASTIAN – CONSORTIUM MEETING AND VISIT TO SUESKOLA ORDIZIA – APRIL 2013

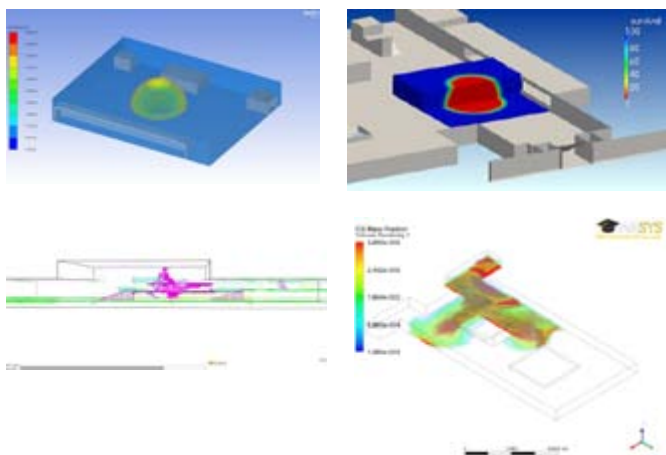
The April 2013 consortium meeting held in San Sebastian, Spain was combined with a visit to SUESKOLA Ordizia. [www.sueskola.net/es](http://www.sueskola.net/es)



This training centre for fire personnel provided the SECURESTATION consortium with a unique opportunity to experience real fire simulations and gain an understanding of the problems which fire fighters face in tackling these fires and the difficulties experienced in evacuation. This visit supported the WP6 fire and evacuation work.

## SIMULATION AND MODELLING WORK

The past year has also seen the completion of the majority of the modelling work planned for the project, with advances being made in the modelling of blasts, chemical dispersion, fire and passenger behaviour. The results of these simulations have provided quantitative data for the impact of the different scenarios, which has fed into the risk assessment methodology and are allowing the cost-benefits of different countermeasures to be assessed. As a result best practices and considerations for design are being developed for input into the handbook.



As part of their work within WP5 D'Appolonia have developed a simple blast calculation tool, based on empirical blast models which allows stand off distances to be calculated very rapidly.



## COMMUNICATION

For further information regarding the SECURESTATION project, please refer to the project website: [www.securestation.eu](http://www.securestation.eu) or contact the project co-ordinator **Marga Martin Sanchez: [mmsanchez@isdefe.es](mailto:mmsanchez@isdefe.es)**.

## QUESTIONNAIRES

As part of “WP7 – Maximising the impact of SECURESTATION”, the project is currently conducting two surveys. The first is gathering data from passengers to better understand the acceptability of security measures and can be found here: [www.securestation.eu/survey.html](http://www.securestation.eu/survey.html)

The second is gathering data from transport operators, infrastructure managers and those involved in providing security at stations and terminals. This survey is also studying the acceptability of security measures, the socio-economic impact and a gap analysis for the coverage of the major issues by the current standards and guidelines.

This survey can be found here: [www.securestation.eu/ptosurvey.html](http://www.securestation.eu/ptosurvey.html)

We would kindly ask that if you have a spare moment that you complete these and please forward the links on to colleagues and others who use railway and metro systems.

## NEXT DELIVERABLES FOR COMPLETION

- D3.3** Updated Risk Assessment Methodology Jan 2014
- D4.3** Constructive Design Handbook based on WP4 and WP5 results – Nov 2013
- D4.4** Final End User Reviewed Constructive Design Handbook – Dec 2013
- D5.3** Design strategies to improve the safety and security from both the physical and functional perspective – Oct 2013
- D6.2** Modelling and simulation results of passenger behaviour and movement in emergency situations – July 2013
- D6.3** Real fire testing results and validation – Aug 2013
- D6.4** Design Strategies from the operational point of view to optimize evacuation procedures – Oct 2013
- D7.1** Socio-economic potential impact – Nov 2013
- D7.2** Research on acceptance – Nov 2013
- D7.3** Gap analysis for current standards and guidelines – Nov 2013
- D7.4** Implementation roadmap – Dec 2013

**SECURESTATION**  
Partners:



**JOHN McASLAN + PARTNERS**

**D'APPOLONIA**