



Airports connecting people and goods.

Airports are literally the hubs connecting people and goods. Most airports are equipped with large shopping centres, hotels and conference centres. Airports increasingly have become industrial and commercial enterprises where aircraft happen to take-off and land. In short, **airports have become the heart of the very infrastructure of the modern, civil knowledge-based society**, embodying the principles of free flow of people and goods,

BUT

The Modern society can be disrupted when airports are forced to stop operating. This threat is taken very seriously by all stakeholders involved, ranging from policy makers to airport management and law enforcement agencies. As said, the threat is not only viewed as a threat to human lives and property, but as a threat to the very values of civil society itself.

SO

The global air transport system needs to remain dependable and extremely safe. Thus eliminating and mitigating threats to air traffic is one of BEMOSA's main objectives.

CONSEQUENCES

The impact goes beyond the increase in direct expenses: additional security measures have also led to increased time at the airport spent at security checks rather than on more productive activities.

Disruption of transportation systems.

The estimate average cost of delay time is €75 Euro per minute, cancellations at approximately €6,300 per flight and diversions at approximately €4,500 per flight: meaning that security related decisions to suspend airport operations can run into the hundreds of thousands of Euro per incident (Safety of Air Navigation, 2005).

The combined security and economic pressures make it imperative to leverage any investment in airport security as efficient as possible.



BEMOSA, an applied research project that is co-financed by the European Community, will contribute significantly to this objective by focusing on the human factors involved in the security process.

Human resources must be the major contributor to the current level of security at the airport.

To-date, the vast majority of investments in airport security have been made in additional security technology and equipment, but little attention is paid to the so-called human factors, i.e. the people that operate the technology and provide the interface between the passengers and security.

So far, there seems to be a trend to replace people by technology and equipment, but one has to question whether the reliance on technology actually provides the most effective and most efficient security. On the other hand, the better security personnel is trained, the more effectively and efficiently the available technology and equipment can be utilized.

Human behavioural research has clearly shown that the bottleneck in security is not the ability to record an "event", but to diagnose and interpret it in real-time.

BEMOSA will provide answers and more importantly, cutting edge applicable solutions for improvements in providing security by strengthening human resource capabilities.



Plan B



Training Packages Based Upon Actual Decision Making.

It is imperative to have an open and critical mind to truly understand if technology or human resources is a major contributor to the current level of security at the airport. By examining airports throughout Europe and focusing on key decision making groups such as Air Traffic Control staff, security employees, service vendors and passengers, BEMOSA will deliver the basis for a comprehensive and practical training program that considers all the airport security stakeholders. Advanced software simulations that will help to capture and predict social behaviour under stressful emergencies will provide the platform for the training modules and training packages that can be readily applied at minimum cost to airports across Europe.

Unlike most currently existing training packages, the BEMOSA training packages will be based upon how people make security decisions in the face of reality during the "normal routine" and crisis situations that occur in airports.



the BEMOSA consortium



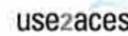
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Behavioral Modeling for Security in Airports

It will make our airports safer, more secure, efficient and economically viable by implementing 'BEMOSA Training Packages' based Upon Actual Decision Making.