

Integrated Mobile Security Kit (IMSK)

Goals for the IMSK project

The Integrated Mobile Security Kit (IMSK) project is addressing the “Security of Citizens” area of the 7th FP Call focusing on Security. IMSK is more specifically aimed at **increasing the security of citizens in the scope of events** gathering a large number of people, such as medium to large scale sports events (from football games to the Olympic Games), political summits (G8 summit) etc. The security related to these types of events with intense mass media coverage has indeed become an increasing concern due to new threats of terrorism and criminal activities (such as suicide bombers, improvised explosive devices, increasingly credible CBRN threats).

To counter this situation, new systems are needed that can cover various security aspects, and allow for cooperation between different stakeholders. The systems need to be mobile and adaptable in order to address situations of different kinds and different locations. The **main objective** of the proposed project is the **study, development, assessment and promotion of such a system**, the IMSK, providing emerging solutions for increased probability of rapid detection and response to threats.

Given the broad scope set for the call, the IMSK project has been prepared along the following five guidelines:

- **soliciting the operational needs** of security professionals,
- creating a system, the Integrated Mobile Security Kit, relying on the use of **innovative security modules**,
- **demonstrating the system capabilities** during live trials,
- proving the system’s **adaptability to local security forces**,
- **broadly disseminating the results**, accredited by end users.

IMSK concept

The IMSK concept has been derived taking into account the following considerations:

- It is highly likely that both the security forces as well as the sites hosting the events to be secured will already be equipped with security systems of their own.
- The fast pace technologies evolve at means that emerging innovative technologies can be used in such fields as sensors, data fusion, biometric algorithm and communications in order to improve security.
- IMSK involves stakeholders from various security forces in various countries.

As a consequence, the concept adopted for the IMSK design is to secure various significant events by:

- **Adding innovative capabilities** through the use of up-to-date and emerging sensor and communication technologies, a system architecture open to evolution,
- **Integrating existing legacy systems** into the kit through an integration platform, communication means and innovative information management,
- **Adapting IMSK to local security forces** through a standardization of interfaces used in the system, the use of an information interoperability platform, the implementation of a Man-Machine Interface (MMI) relying on a set of common symbols.

IMSK Scope

IMSK is a set of security modules dedicated to the security of large events, including when appropriate the integration of legacy systems. The following figure illustrates the operational use for IMSK.

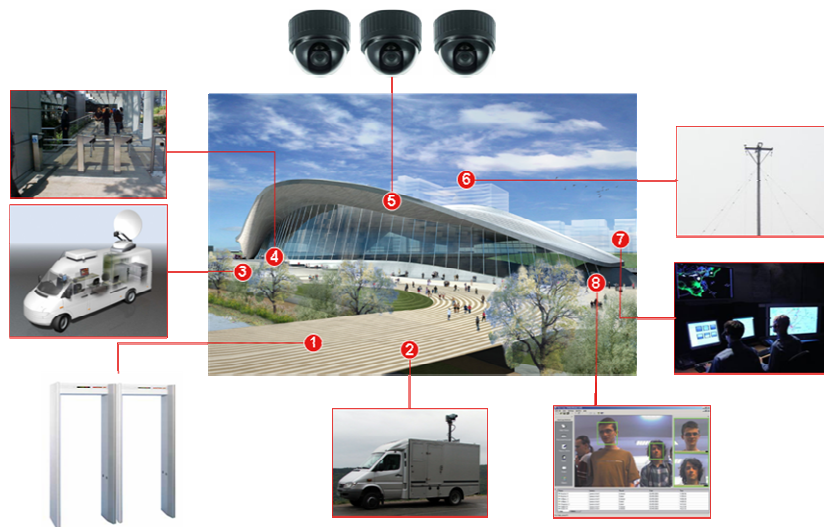


Figure 1: IMSK operational scenario

This illustrates how IMSK could be used to ensure the security of a London 2012 Olympic venue, for which the following modules are used: portal for screening of spectators (1), mobile surveillance unit (2), mobile Command and Control (C2) unit (3), access control – potentially associated with ticketing solutions -(4), surveillance cameras (5), dedicated communication means (6), legacy Command and control centre (7), automatic people recognition and tracking module (8).