

IMSK – Integrated Mobile Security Kit

SUBITO – Technology Workshop



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IMSK objectives

- **Main goal:** enhancement of citizens security in the scope of events
- Event characteristics
 - large or medium scale, **national or international**
 - gathering of a **large number of people**
 - **massive security effort** required
 - **cooperation between different operational forces**
 - **wider surrounding area** (e.g. stations, streets, car parking) and **city** (hotels, critical infrastructure) to be secured
- Representative events
 - sports, cultural or political events
- Examples
 - Olympic Games, high risk football games, political sensitive sport events
 - G8 summits, elections, large demonstrations, royal weddings

Role in crisis management

- **Crisis prevention**

- Data gathering and data fusion
- Information analysis and early detection
- Enhanced situation awareness
- Decision making

- **Operational preparedness**

- Strategic advanced planning
- training

- **Management of declared crisis**

- Response and recovery

IMSK main focus

IMSK includes training and simulation tools to increase operational readiness

Contribute to improved crisis response by providing first responders with an accurate situation display



Consortium



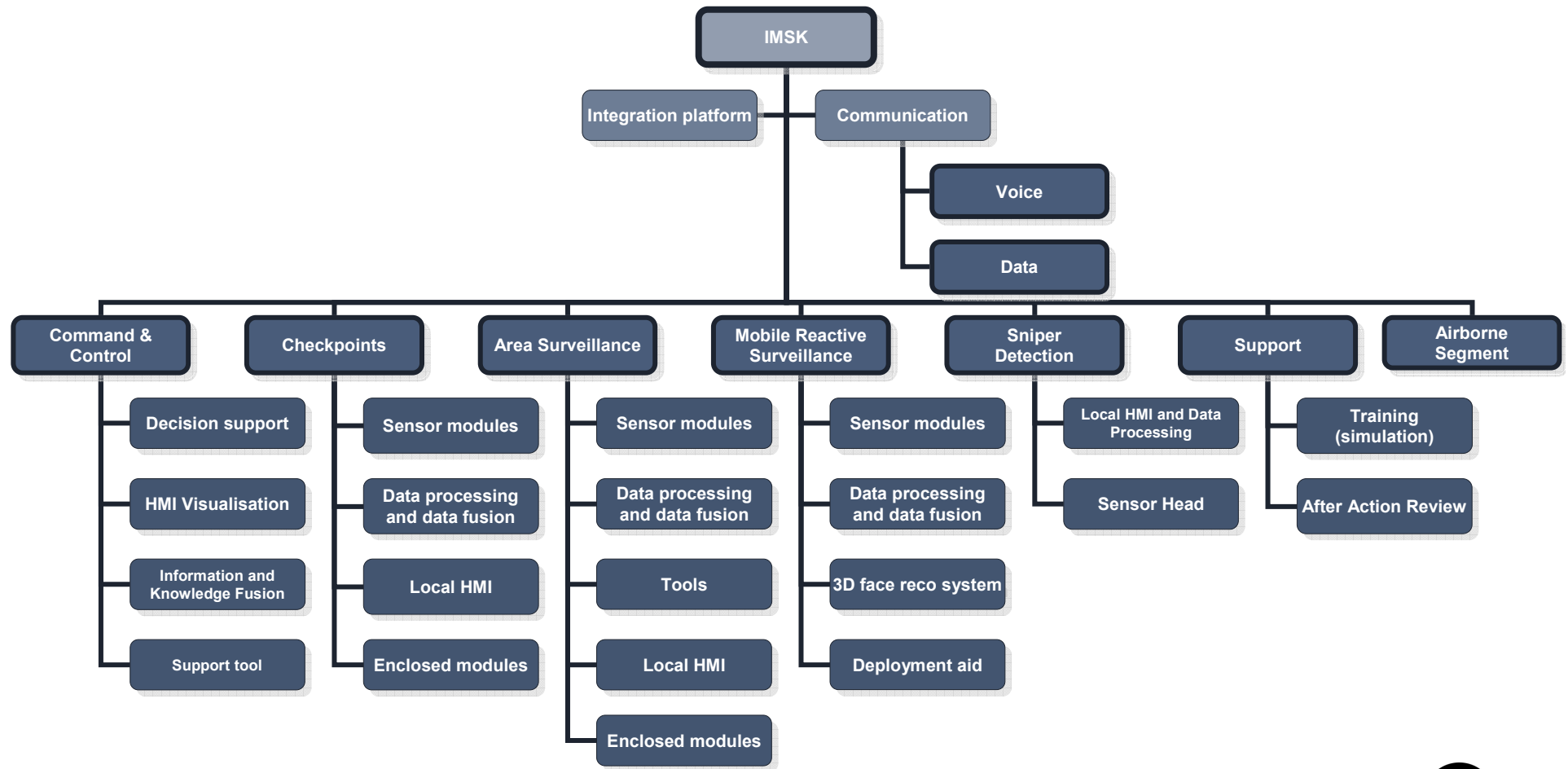
- **Industries (9 members)**
 - Coordinator: **Saab AB (SE)**
 - **Selex Galileo Limited (UK)**
 - **Selex Communications S.p.A. (IT)**
 - **Telespazio S.p.A. (IT)**,
 - **CILAS (FR)**
 - **Diehl BGT Defence GmbH & CO KG (DE)**
 - **Thales Security Systems SA (FR)**
 - Thales Research and Technology Ltd (UK)
 - Bruker Daltronik GmbH (DE)
- **End users (4 members)**
 - Ministère de l'intérieur- Service des Technologies de la Sécurité Intérieure (FR)
 - Rikskriminalpolisen, Swedish National Police Board, Nationella Insatsstyrkan (SE)
 - Regione Lombardia (IT)
 - Deutscher Fußball-Bund e.V. (DE)
- **Research Institutes & Universities (8 members)**
 - Totalförsvarets Forskningsinstitut, (FOI), Swedish Defence Research Agency (SE)
 - Valtion Teknillien Tutkimuskeskus (VTT) (FI)
 - Commissariat à l'Energie Atomique (CEA) (FR)
 - Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR) (DE)
 - Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V (DE)
 - Commission of the European Communities - JOINT RESEARCH CENTRE (IT)
 - Università Degli Studi di Catania, Ingegneria Informatica e Telecomunicazioni (IT)
 - University of Reading (UK)
- **Small and Medium sized Enterprises (6 members)**
 - Thyia Tehnologije d.o.o.(SI)
 - AS Regio (EE)
 - EPPRA S.A.S (FR)
 - Qascom S.r.l (IT)
 - TriVision ApS (DK)
 - AirshipVision International S.A (FR)



Project guidelines

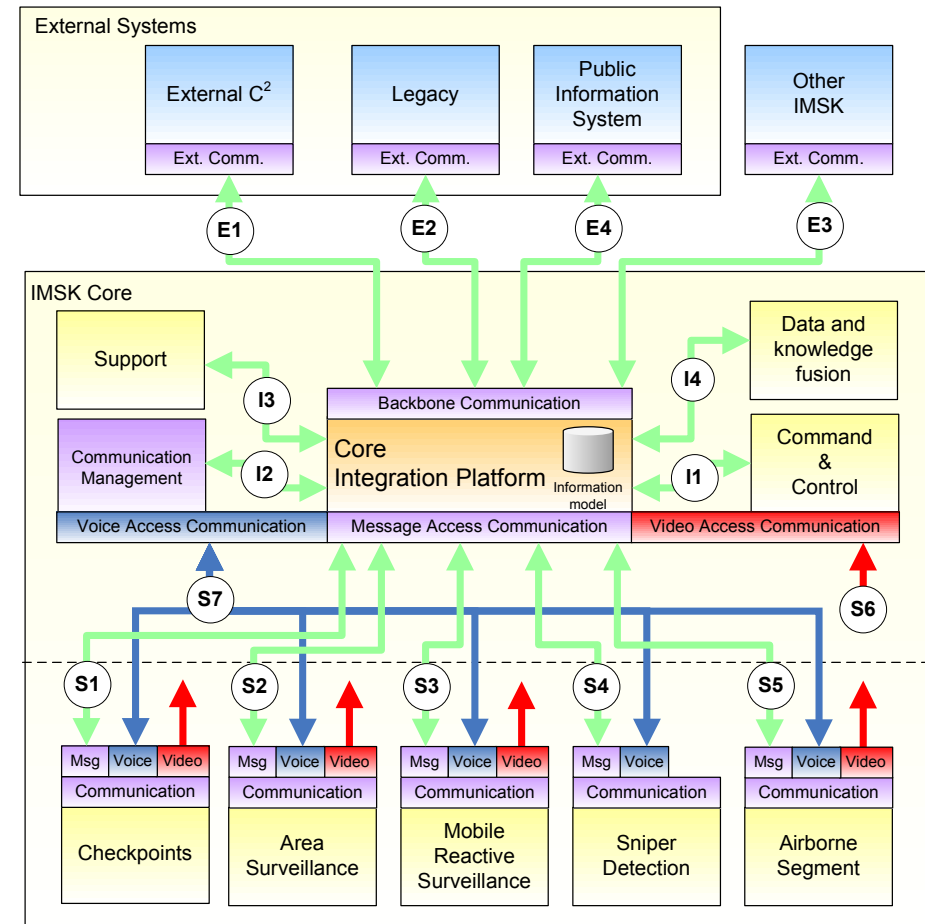
- The **operational needs of security professionals** shall be followed
- IMSK shall rely on **innovative security modules**
- The system shall be **adaptable to local security forces**
- IMSK's **capabilities shall be demonstrated** during live trials
- Project **results shall be broadly disseminated**, accredited by end users.

System layout

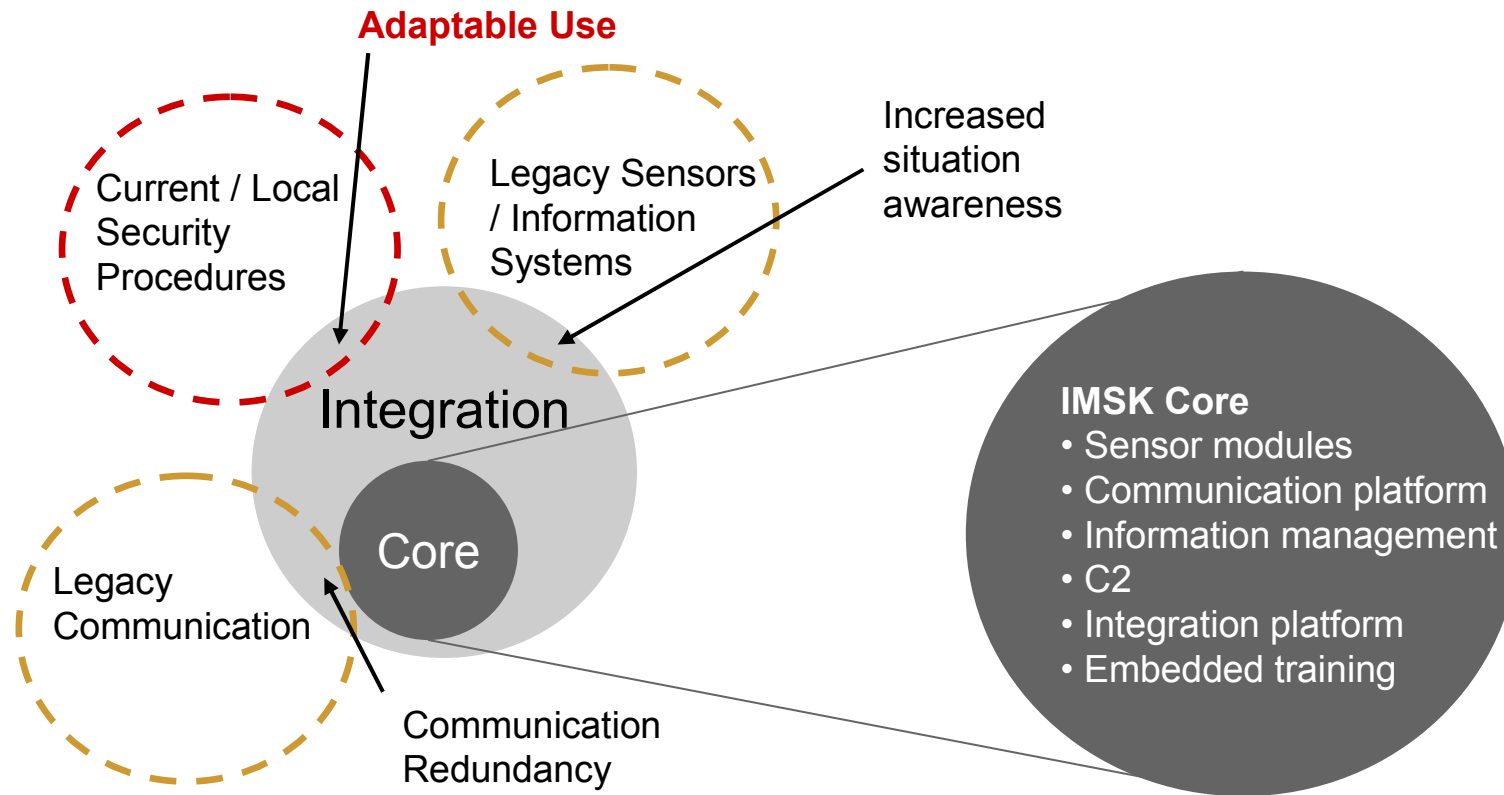


Logical architecture

- All messages accessed through the Integration Platform
- Common Information Model adopted to TSO (FP6-Oasis)
- Message, voice and video transmission on same physical network, bandwidth demands differ
- Sub-systems integrate sensors and provide data to the Integration Platform
- External and legacy systems may be integrated on demand

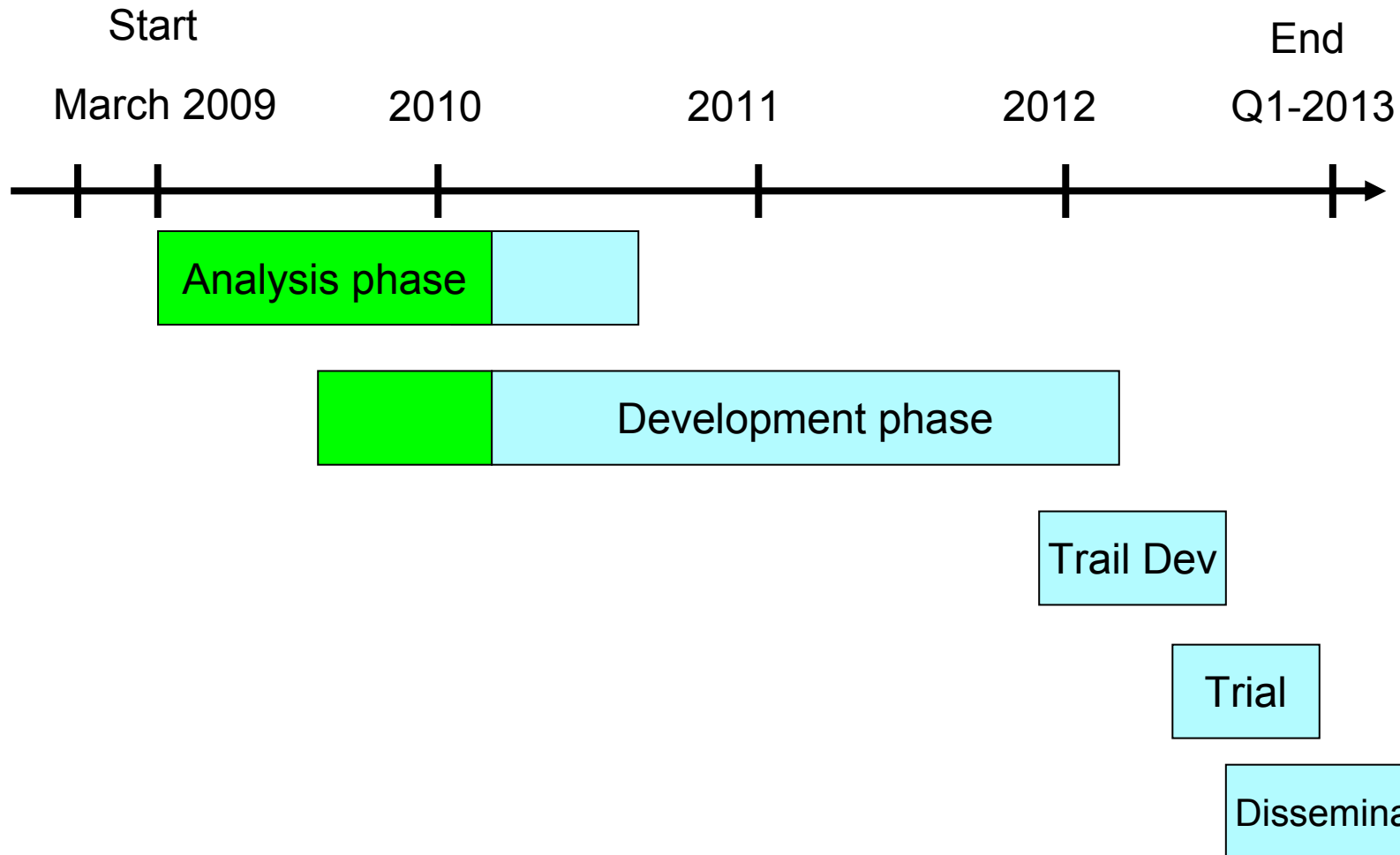


Adaptability



- Enhancement of security by integration of additional functions filling the required gaps
- Cost effective enhancement of security by integration of existing capabilities

Time schedule



Results obtained so far

- **Operational analysis performed**
 - current security procedures have been analysed
 - scenarios have been defined
 - system requirements have been defined
- **Technology analysis conducted**
 - sensors, C2, communication, integration platform, data fusion
 - system security aspects, integration of legacy systems
 - interoperability and standards respected
- **System design in progress according to**
 - system requirements and available technologies - TRLs

Next steps

- Specification of the security sub-systems
- Integration of the sub-systems
- Integration of the overall system
- Planning of the live trials
- Live trial demonstration 2012
- Dissemination of project results



Summary

- Main project goal: enhancement of citizens security in the scope of events
- Main focus: on crisis prevention
- Approach
 - Analysis of operational requirements
 - System design relying innovative security modules
 - Demonstration of the system
 - Proof of adaptability
 - Dissemination of project results
- Considerations
 - Gaps not covered by legacy systems shall be filled
 - System platform design to build on in the future
 - Interests of stakeholders from different countries in Europe to be



www.imsk.eu

