SATIE

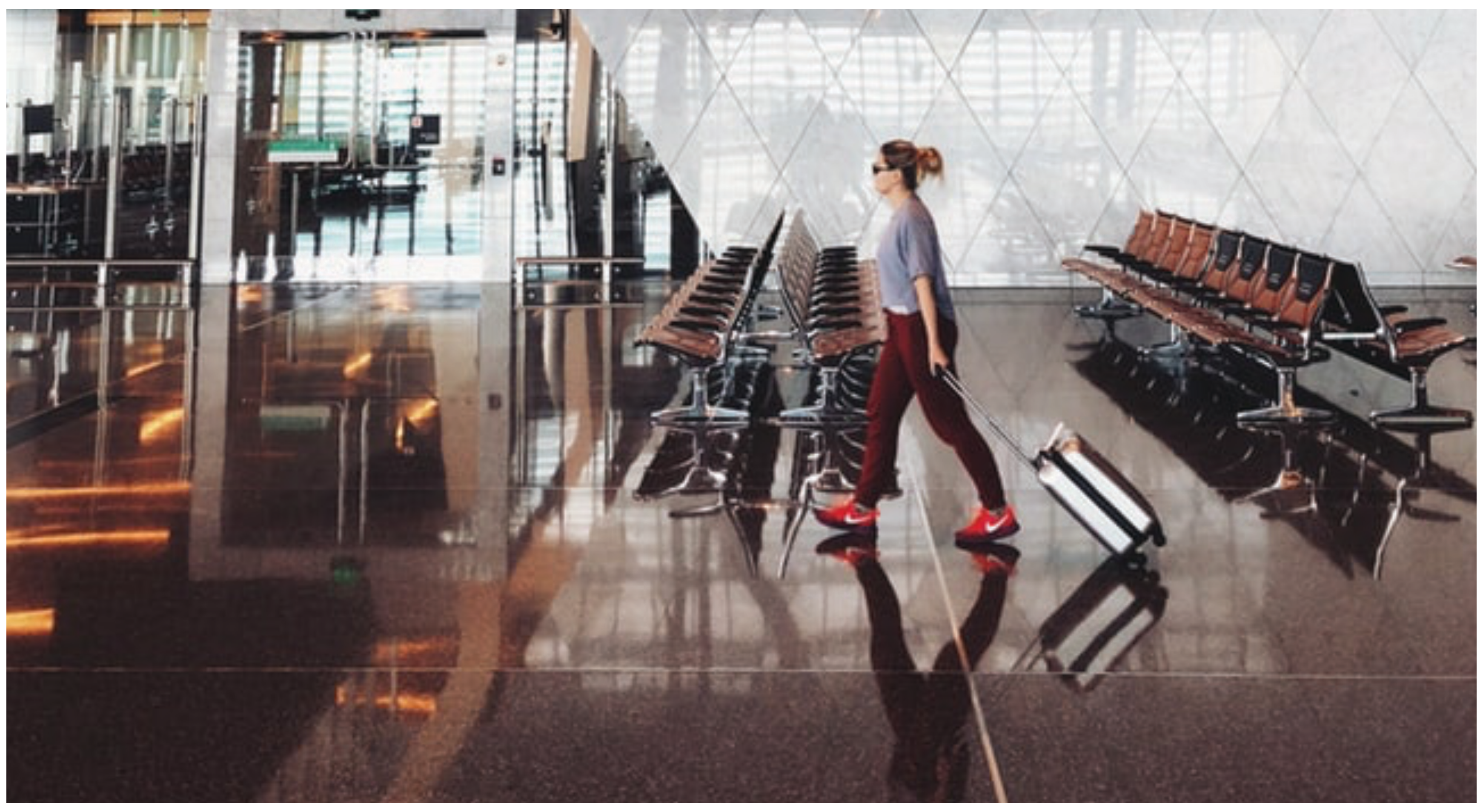
Security of Air Transport Infrastructures of Europe

Ambition

The SATIE project will build a holistic, interoperable and modular security toolkit to be exploited by the next generation of Airport Operation Centre and Security Operation Centre in order to protect critical air transport infrastructures against combined cyber-physical threats. An additional aim is to update security policies in favour of a simplified change management. As a result common awareness to security as a whole shall be raised.

Challenge

Critical assets are usually protected against individual physical or cyber threats, but not against complex scenarios combining both categories of threats. Correlating cyber and physical domains is crucial for airports. SATIE adopts a holistic approach about threat prevention, detection, response and mitigation in the airports, while guaranteeing the protection of critical systems, sensitive data and passengers.



Methodology

SATIE will adopt a W-model approach as an extension of the ITIL V-model, a process for Service Validation and Testing that helps to define appropriate requirements and validation methods. During each phase of development, one test procedure must be completed before proceeding to next one. It will be applied on simulation platforms and then on pilot sites.

Simulation platform and pilots

Validation and training environment is distributed on two platforms – one with virtualization and cyber training capacities, and another with specific ATC systems for near real simulations. The project intends to demonstrate its results during three project pilots in the airports of Athens, Milan and Zagreb with participation of security practitioners, police and other local stakeholders.

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