FastPass - A HARMONIZED, MODULAR REFERENCE SYSTEM FOR ALL EUROPEAN AUTOMATED BORDER CROSSING POINTS

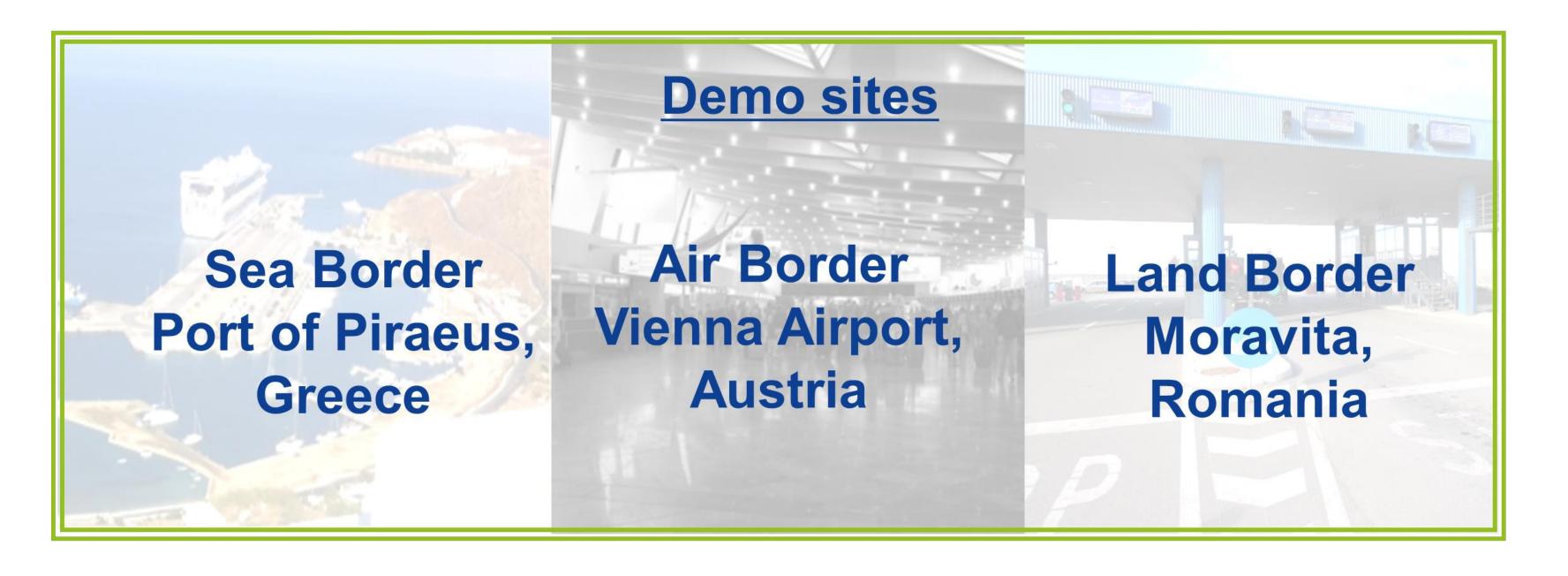


FastPass in facts

27 partners 4 years duration Started on **1.01.2013** Coordinated by **AIT** Austrian Institute of Technology 15,5 million € budget

Objectives

- Improve security, throughput and efficiency of ABC processes in EU
- Develop and demonstrate a user friendly solution, both for border guards and passengers
- > Harmonisation and innovation: develop one reference architecture serving many processes at the different types of borders and propose:
 - the first European solution for cars at land border with ABC;
 - the first solution for cruise ships;
 - a deep comparison of different approaches on air border crossing point.



Contact

Markus Clabian **Project Coordinator** Phone: +43 50550-4294 FastPassCoordinator@ait.ac.at www.fastpass-project.eu

RELEVANT TECHNOLOGIES

Travel Document Observation

- Improved optical and electronic verification
- Doc teacher functionality
- Additional security checks and device security

Biometric Identification

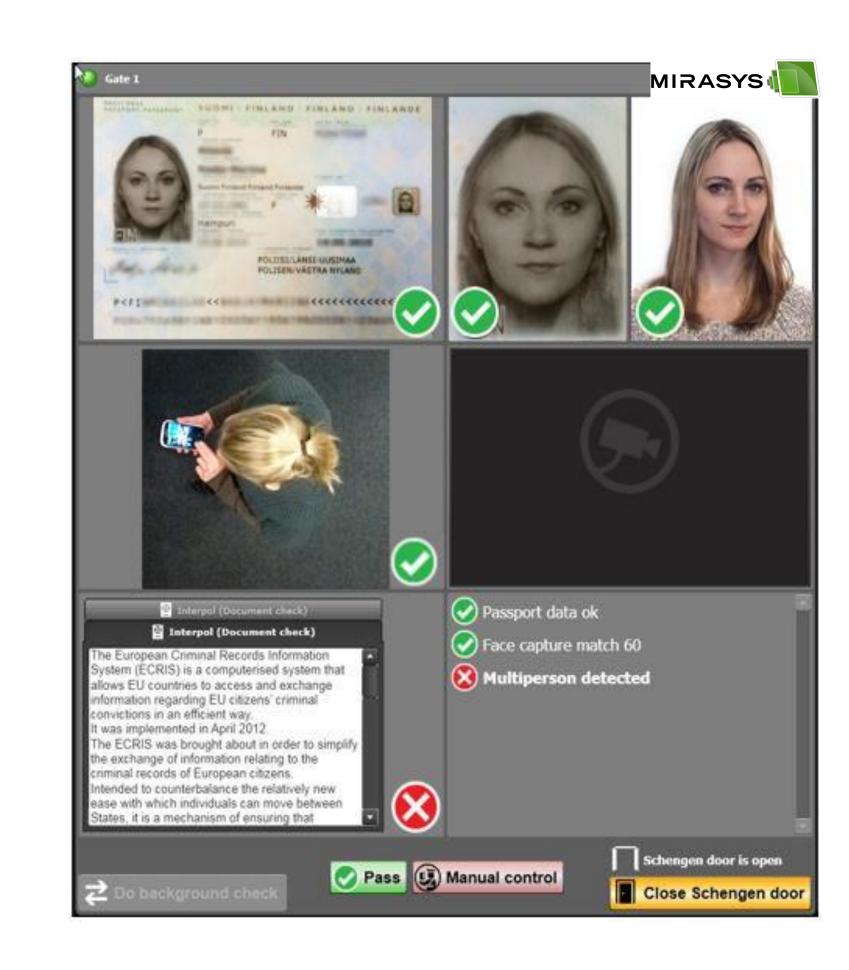
- Fingerprint: Development of two-finger fingerprint reader prototype, Innovative finger placement mechanism
- Face: Refined on-the-move face verification, Innovative Adomo® mirror technology, Indoor and outdoor acquisition
- Iris: Novel face-and-iris prototype, Multispectral iris capture sensor Counter-spoofing: 3D based counter-spoofing for gate and kiosk
- Novel biometrics: Sclera segmentation, 3D periocular recognition

Gate Usability Design

- Border guard usability module
- Video management system
- eGate design (more glass, open appearance, modular build, flexible layout)

Security Assessment and Risk Mitigation

- Threat Modelling
- Risk Analysis
- Privacy Impact Assessment



An innovative an intuitive border guard interface



Possible new design of egates, by partners Magnetic and Gunnebo































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