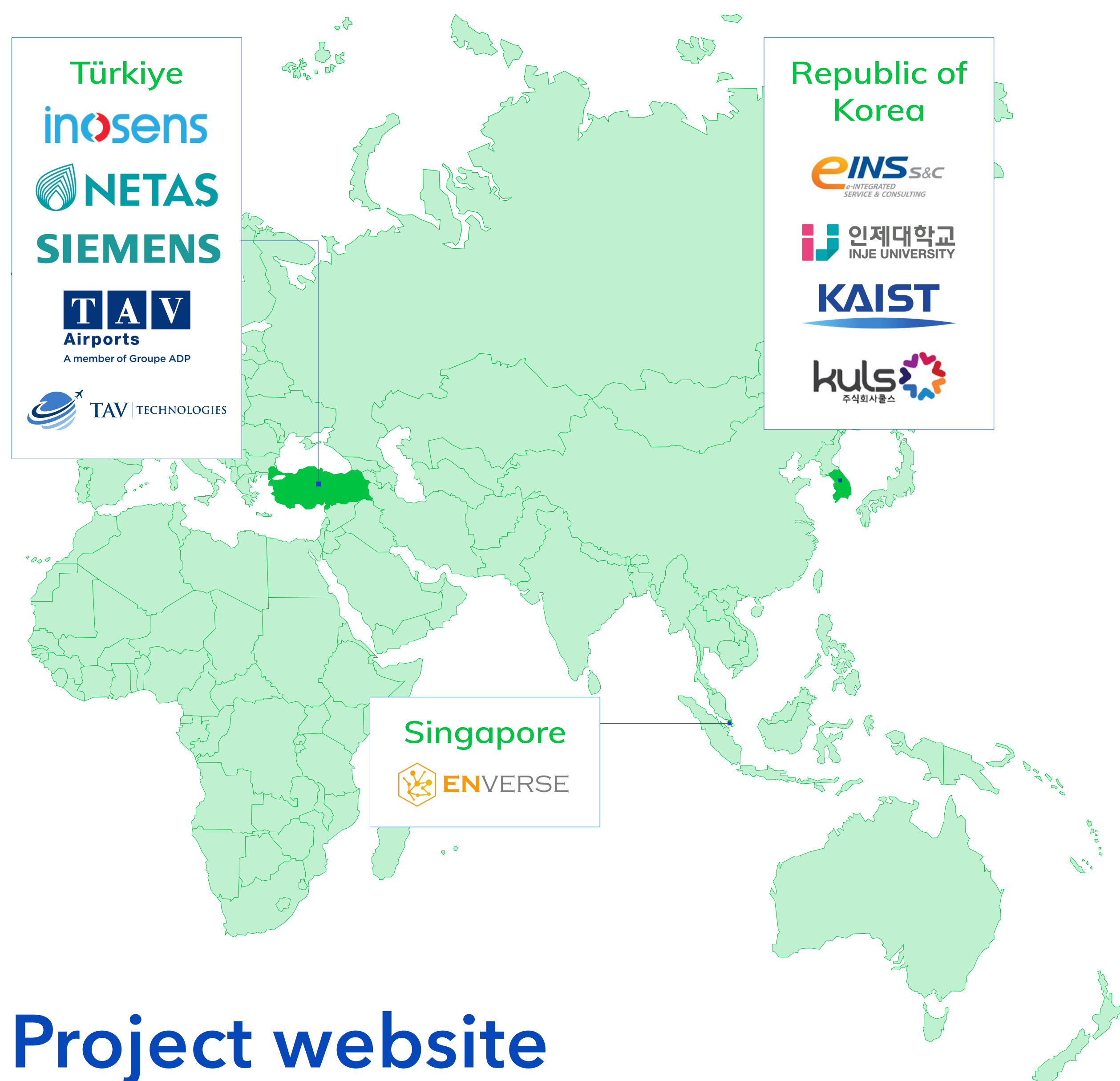# SOCFAI

Secure Open Collaboration Framework powered by Artificial Intelligence

ITEA4

Project summary

SOCFAI project focuses on airports and addresses the problems caused by the collaborative and multi-stakeholder nature of their operations. This is providing new ways to manage the operations cycle, enable real-time common situational awareness of all aspects of airport operations, optimise different core processes, enable predictive and fully integrated operations management and facilitate customer service management and orientation, all while trying to improve overall customer satisfaction levels by introducing an open-source framework equipped with technologies such as AI, Computer Vision, VR, IoT, LIDAR, etc.

Consortium

Türkiye
- inosens
- NETAS
- SIEMENS
- TAV Airports — A member of Groupe ADP
- TAV Technologies

Republic of Korea
- eINS S&C
- INJE UNIVERSITY 인제대학교
- KAIST
- kulso 쿠엘소아이솔소

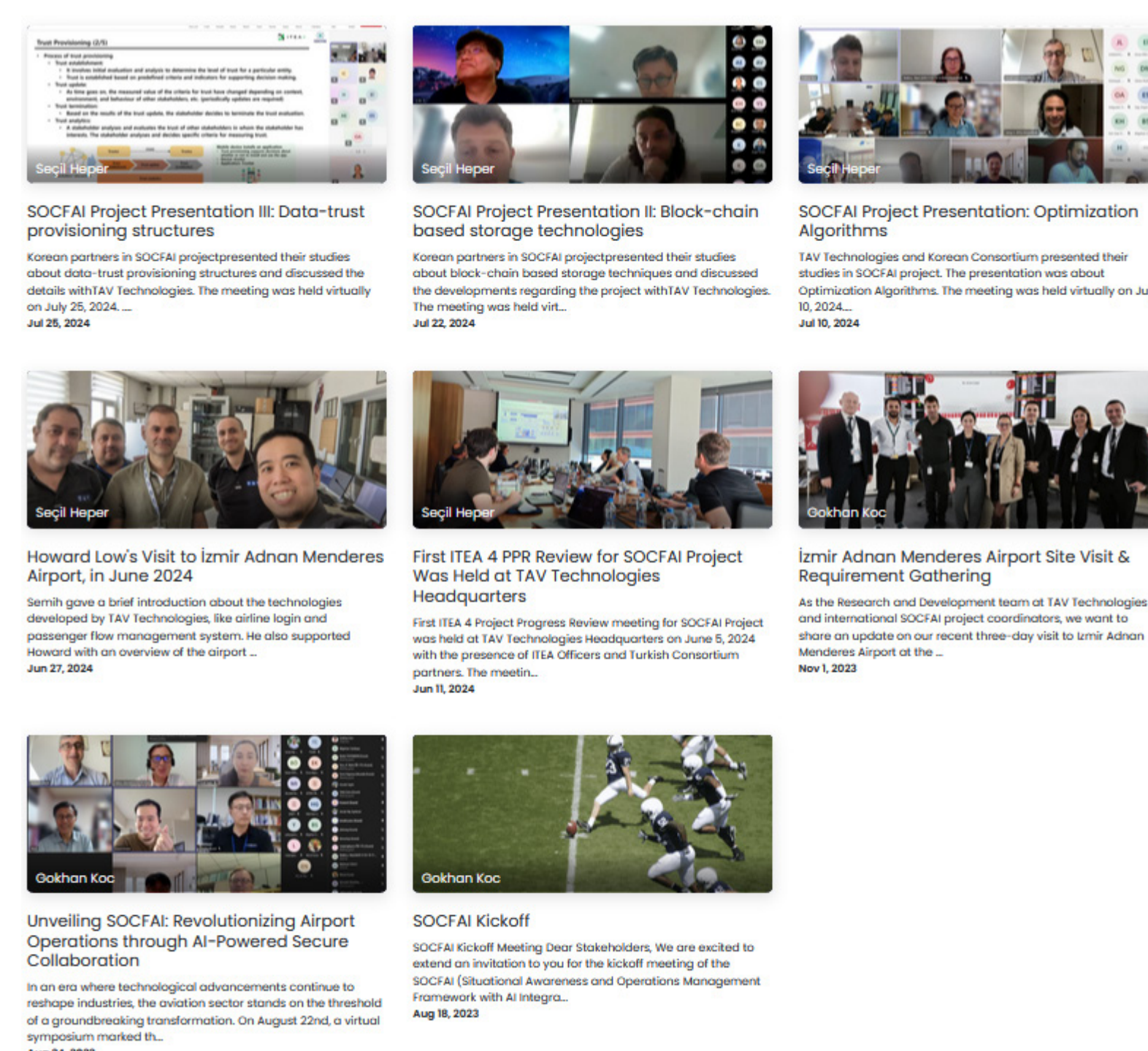### Singapore
- ENVERSE

Project duration

July 2023 - June 2026

Expected key results / USPs

> Handling resource inefficiences

> Handling flight delays

> Solving lack-of-communication between operational stakeholders

> Solving operational stakeholders conflicts

> Decreasing environmental factors including energy waste during operations

> Decreasing integration of technology complexity

Project website

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www.socfai.com

SOCFAI News >

SOCFAI Project Presentation III: Data-trust provisioning structures
Korean partners in SOCFAI project presented their studies about data-trust provisioning structures and discussed the developments regarding the project within technologies. The meeting was held virtually on July 25, 2024.
Jul 25, 2024

SOCFAI Project Presentation II: Block-chain based storage technologies
Korean partners in SOCFAI project presented their studies about block-chain based storage techniques and discussed the developments regarding the project within technologies. The meeting was held virt...
Jul 22, 2024

SOCFAI Project Presentation: Optimization Algorithms
TAV Technologies and Korean Consortium presented their studies in SOCFAI project. The presentation was about Optimization Algorithms. The meeting was held virtually on July 10, 2024...
Jul 10, 2024

Howard Low's Visit to İzmir Adnan Menderes Airport, in June 2024
Samih gave a brief introduction about the technologies developed by TAV Technologies, like airline-login and passenger flow management system. He also supported Howard with an overview of the airport...
Jun 27, 2024

First ITEA 4 PPR Review for SOCFAI Project Was Held at TAV Technologies Headquarters
First ITEA 4 Project Progress Review meeting for SOCFAI Project was held at TAV Technologies Headquarters on June 5, 2024 with the presence of ITEA Officers and Turkish Consortium partners. The meetin...
Jun 7, 2024

İzmir Adnan Menderes Airport Site Visit & Requirement Gathering
As the Research and Development team at TAV Technologies and International SOCFAI project coordinators, we went to share an update on our recent three-day visit to İzmir Adnan Menderes Airport at the ...
Nov 1, 2023

Unveiling SOCFAI: Revolutionizing Airport Operations through AI-Powered Secure Collaboration
In an era where technological advancements continue to reshape industries, the aviation sector stands on the threshold of a groundbreaking transformation. On August 22nd, a virtual symposium marked its...
Aug 24, 2023

SOCFAI Kickoff
SOCFAI Kickoff Meeting Dear Stakeholders, We are excited to extend an invitation to you for the kickoff meeting of the SOCFAI (Educational Awareness and Operations Management Framework with AI Integra...
Aug 18, 2023

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