

New EU Research and Innovation Project IOTAC: Security by Design IoT Development and Certificate Framework with Frontend Access Control

The consortium of industrial actors, research groups and academia from 7 European countries focus on improving the resilience of IoT service environments.

15. September 2020 – The tight collaboration of 13 European partners is looking to deliver a novel, secure and privacy-friendly IoT architecture that will facilitate the development and operation of more resilient IoT service environments.

The technologies to be implemented, comprising front-end access control, and multiple runtime security features including AI based detection models, honeypots, checkpointing and monitoring system, all integrated into a secure gateway, will provision security countermeasures both at hardware- and software-level. The project will run for a period of three years and receives EUR 5 million funding from the European Commission H2020 program.

The system is based on the security by design paradigm and the recommended guidelines and procedures cover the whole secure software development lifecycle from design through development and testing to assessment and certification.

Results of the project will be validated in four IoT use cases – industrial (remote terminal operation), consumer (smart home), automotive (autonomous car), and airborne (drone operation).

The consortium comprises all stakeholders of the IoT ecosystem, service operators, OEMs, technology providers, developers, security experts, as well as research and academic partners. The end users will be involved by using a living lab environment.

The project is coordinated by Atos Hungary.

Project Key Facts

Full Name: IOTAC: Security by Design IOT Development and Certificate Framework with Frontend Access Control

Contract No.: H2020 - 952684

Start date: 01 September 2020

Duration: 36 months

EU Contribution: € 5 million

Coordinator: Atos Hungary Ltd



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 952684-IOTAC.

Press Release

Project Partners

France

Airbus Defence & Space SAS

Germany

QuanTag IT Solutions GmbH
Deutsche Telekom Security GmbH
FhG FOKUS
Technische Universität Berlin

Greece

Centre for Research and Technology-Hellas

Hungary

Atos Hungary Ltd.
Budapest University of Technology and Economics
SafePay Systems Ltd.

Luxembourg

Intrasoft International SA

Poland

Institute of Theoretical and Applied Informatics

Spain

Fundacion Tecnalia Research & Innovation
Kaspersky Lab S.L.



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