

# COGNITIVE HETEROGENEOUS ARCHITECTURE FOR INDUSTRIAL IoT

## Project Facts:

**Project start:** 1/1/18

**Duration:** 36 months

**Budget:** 4,928,562 euros

**No. of partners:** 11

**Instrument:** IoT-03-2017, RIA



## SCOPE AND BUSINESS VALUE:

A design method and **cognitive computing platform** supporting a unified approach towards **Privacy, Security and Safety (PSS)** of IoT Systems:

**Extended industrial privacy and security protection** (Public Key Infrastructure and Blockchain)

**Increased physical, operational and functional authorization of IoT devices** (Blockchain, cognitive engine, PKI, and a FOG decentralization)

**High security and integrity of industrial IoT** (cognitive system based on supervision, analytics and prediction models)

**Safer IoT software development** through new and advanced methods for whole-program static source code analysis

**Applicable to new and existing industry-specific safety critical systems** via an IoT Safety Supervision Engine

**Demonstrated and Validated into three living labs** Athens International Airport (GR), TRENITALIA (IT), IBM Smart Campus (IRL)

## Project Contacts:

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## Online Links:

 **Website:**  
<http://chariotproject.eu/>

 **LinkedIn**

 **Twitter:**  
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# CHARIOT

## IMPACT

**Evolution of platform technologies and contribution to scientific progress** enabling novel, advanced semi-autonomous IoT applications

**Increase of IoT usability and user acceptance**, notably through strengthened security and user control

**Contribution to emerging or future standards** and pre-normative activities

**Promote the adoption of EU platforms** in European and international context

**Support emergence of an open market of services and innovative businesses**



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Research & Innovation Driven Solutions

**IBM**

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