

EXCEED

System-on-chip

PADR Call EDT-2018

NAME OF THE PROJECT trustEd and fleXible system-on-Chip for European Defence applications

SHORT NAME EXCEED

GRANT AGREEMENT NUMBER 831747

OBJECTIVE OF THE PROJECT

The EXCEED project aims at creating an European supply chain of reconfigurable, flexible and trustable Programmable system-on-a-chip (SoC) family targeting a number of ruggedized and secure defence applications such as for RF sensors and signal processing arrays, flexible radios, secure positioning and navigation, UAV data links, military networks, flexible cryptography engines, dismounted soldier, guidance and mission critical controllers.

The security architecture of the SoC is studied in detail to cope with EU Classified information and Defence specificities as well as country-specific requirements, through protection, personalization and life-cycle management. The project also focuses on System Development Tools. The secure chip is fabricated in a trusted environment in Europe. The demonstrator chip will be a mid-scale member of the family.

PROJECT DURATION 36 months

STARTING DATE 1 November 2020

GRANTED EU CONTRIBUTION € 11.980.950

LIST OF PARTICIPANTS

#	NAME OF THE ENTITY	COUNTRY
1	STMICROELECTRONICS GRENOBLE 2 SAS	France
2	ANTMICRO SP. Z.O.O	France
3	ARIANEGROUP SAS	France
4	ELETTRONICA S.P.A	Italy
5	DEKRA TESTING AND CERTIFICATION S.A.U	Spain
6	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V	Germany
7	GMV AEROSPACE AND DEFENCE SA	Spain
8	INDRA SISTEMAS SA	Spain

9	INTEGRATED SYSTEMS DEVELOPMENT SA	Greece
10	KONGSBERG DEFENCE & AEROSPACE AS	Norway
11	LEONARDO SOCIETA PER AZIONI	Italy
12	MBDA FRANCE SAS	France
13	NANOXPLORE	France
14	SAFRAN ELECTRONICS & DEFENSE	France
15	SENER AEROESPACIAL S.A.	Spain
16	THALES SIX GTS FRANCE SAS	France
17	AYMING	France
18	SYNELIXIS LYSEIS PLIROFORIKIS AUTOMATISMOU & TILEPIKOINONION ANONIMI ETAIRIA	Greece
19	THALES DIS DESIGN SERVICES SAS	France