

# EXCEED

trustEd and flexIble system-on-Chip  
for EuropEan Defence applications

## EXCEED presentation

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**This presentation does not contain  
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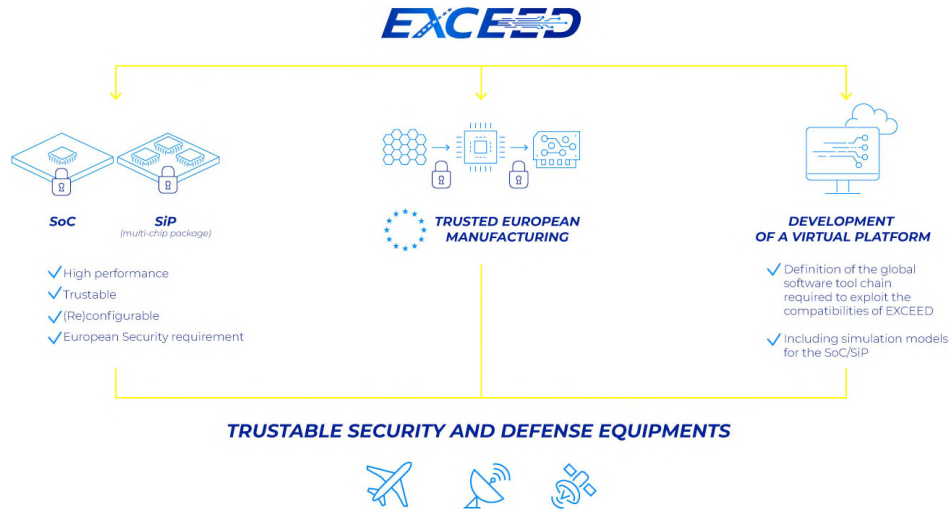
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# trustEd and fleXible system-on-Chip for EuropEan Defence applications

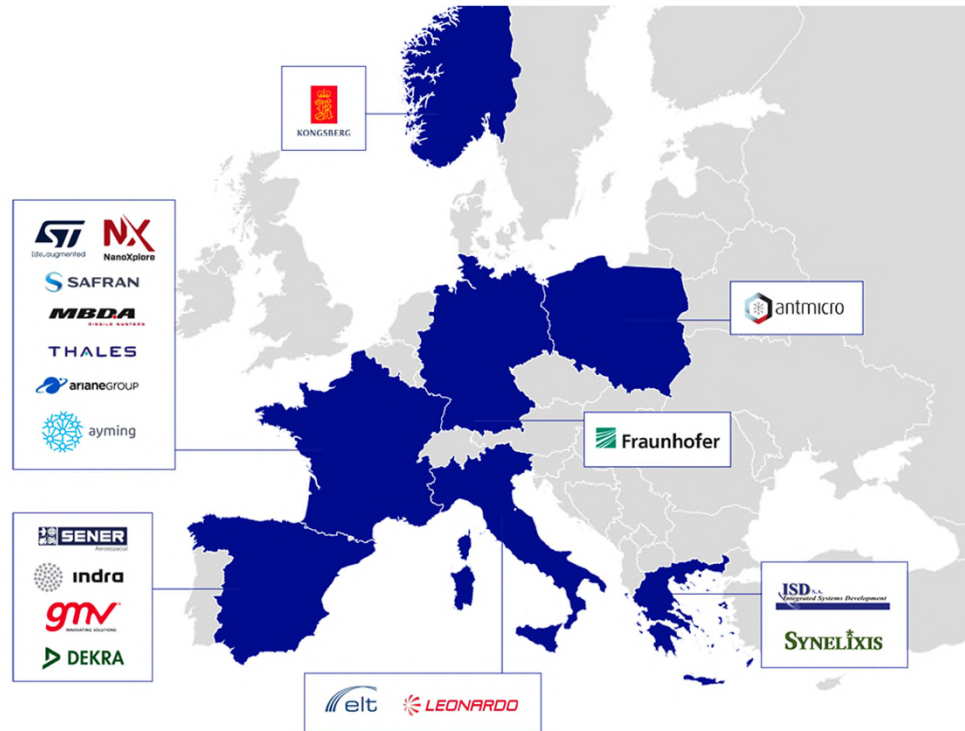


- The EXCEED project aims at creating a European supply chain of reconfigurable, flexible and trustable programmable system-on-a-chip family targeting a number of ruggedized and secure defence applications



- The EXCEED project is part of the [Preparatory Action on Defence Research \(PADR\)](#) launched by the European Commission in 2017 to assess and demonstrate the added-value of EU supported defence research and technology (R&T).
- It paved the way for a proper European Defence Programme to come as of next year as part of the European Defence Fund (EDF), under the EU's next Multiannual Financial Framework (2021-2027).
- The PADR implementation is run by EDA following the mandate via a Delegation Agreement between the European Commission and EDA signed on 31 May 2017.
- By this agreement the Commission entrusts EDA with the management and implementation of the research projects launched within the PADR.

- The EXCEED consortium encompasses a total of 19 participants from 6 EU countries and Norway.
  - Technology providers
  - OEMs
  - Certification companies
- The project, which has a duration of 36 months, will receive an EU grant of roughly €12 million.
- Further information on partners available on the EXCEED project website: [www.exceed-padr.com](http://www.exceed-padr.com)





# EXCEED Objectives (1)



- The EXCEED project will propose technical solution to avoid constraints brought by non-EU countries domination in SoC/SiPs for Defence applications by designing a European FPGA based System on Chip family suited for European Defence requirements.
- To achieve this objective, the EXCEED project will:
  - Develop a first prototype and get it tested by OEMs (Original Equipment Manufacturers).
  - Define a comprehensive set of requirements and specifications for SoC/SiP devices and related supply chain that considers the military specificities about operating environment, content protection, compliance with EU and National classified information and the various mission profiles.
  - Develop synergies and supply chains with other European critical sectors such as Space, Aeronautics and Industrial.
  - Assess the gaps to be fulfilled to overcome the dependence on non-EU technology providers and propose a roadmap for the creation of a trusted European supply chain.

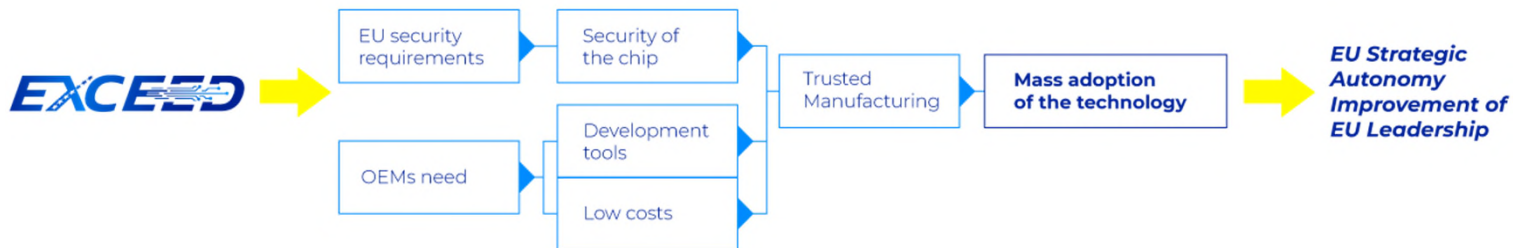


- The EXCEED workplan structure will follow the steps below:



Security requirements  
Security specifications

- The project is targeting the following impacts
  - Ensure secure and autonomous availability of high performance and trustable (re)configurable SoC/SiPs to military end-users.
  - Contribute to strengthening the European microelectronics industry and help improve its global position through the implementation of innovative technologies along a new European manufacturing value chain.
  - Improved competitiveness of the end-user industry in and beyond the defence sector.
  - And finally, demonstrate the potential of EU-funded research in support of EU critical defence technologies, in particular in the domain of (re)configurable SoC/SiPs.



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**Thank you !**

**Any questions?**

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