

SMiEQ

Secure Microcontroller with Embedded Quantum Random Number Generator

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

CALL TITLE:

Open call addressing disruptive technologies for defence

TOPIC TITLE:

Research contributing to disruptive technologies for defence

DURATION OF THE PROJECT:

42 months

TYPE(S) OF ACTIVITIES:

Generating and integrating knowledge; Studies; Design

ESTIMATED TOTAL COST:

€ 3,559,716.13

MAXIMUM EU CONTRIBUTION :

€ 3,494,090.26



SHORT DESCRIPTION OF THE PROJECT:



SMiEQ will prototype a secure microcontroller with an embedded quantum random number generator.

The project “Secure Microcontroller with Embedded Quantum Random Number Generator” (SMiEQ) will define and prototype a secure microcontroller with embedded quantum random number generator aiming at the protection of weapon systems, (un)manned aerial vehicle, fixed and rotary wings, (un)manned aircrafts and any other systems critical systems against cyber-attacks.



**MEMBERS OF THE CONSORTIUM AND
COUNTRY OF ESTABLISHMENT:**



 NAME OF THE ENTITY	 COUNTRY
BULL SAS (Coordinator)	France
FONDAZIONE BRUNO KESSLER	Italy
TIEMPO SECURE	France