

QUANTAQUEST

Emerging Game Changers

PADR-FDDT-EMERGING-03-2019

NAME OF THE PROJECT Quantum Secure Communication and Navigation for European Defence

SHORT NAME QUANTAQUEST

GRANT AGREEMENT NUMBER 883722

OBJECTIVE OF THE PROJECT

In the future, quantum radars will make stealth aircrafts obsolete, quantum superconducting magnetometers will detect submarines and quantum computer cryptanalysis will break conventional codes. The project will develop quantum sensing for navigation and timing without relying on Global Navigation Satellite Systems and quantum communication to secure Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR).

PROJECT DURATION 24 months

STARTING DATE 1 September 2021

EU GRANT € 1.496.977

LIST OF PARTICIPANTS

#	NAME OF THE ENTITY	COUNTRY
1	THALES SA	France
2	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	France
3	LABORATORIO EUROPEO DI SPETTROSCOPIE NON LINEARI	Italy
4	LEONARDO - SOCIETA PER AZION	Italy
5	LIONIX INTERNATIONAL BV	The Netherlands
6	QUIX BV	The Netherlands
7	TELESPAZIO SPA	Italy
8	THALES ALENIA SPACE FRANCE SAS	France
9	UNIVERSITA DEGLI STUDI DI PADOVA	Italy