HARTROID

Hardware Trojans Identification in Large-Scale integrated circuits

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2022

CALL TITLE:	Development actions dedicated to SMEs
TOPIC TITLE:	Non-thematic development actions by SMEs
DURATION OF THE PROJECT:	36
TYPE(S) OF ACTIVITIES:	Studies, Design, Prototyping, Testing, Increasing efficiency
ESTIMATED TOTAL COST:	€ 4,080,381.17
MAXIMUM EU CONTRIBUTION :	€ 3,933,945.18

SHORT DESCRIPTION OF THE PROJECT:

HARTROID will develop a solution to detect Hardware Trojans (HT) that could leak information or alter the functioning of defense systems.

Communication technologies and computing systems are an integral part of today's defence systems and rely on complex System On Chips where several actors are involved in combining multiple functions on a single Integrated Circuits, which may create security risks; such as Hardware Trojans (HT) leaking information or alter the functioning of a Defence system. HARTROID will tools able to detect within 6 weeks a digital or analog HT. If no HT is present, the tools will be able to certify that a system is HT-free allowing for future fast and cost-effective security checks of systems on chips before being embedded in any defence products.

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MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
Xyalis (Coordinator)	France
Shortlink AB	Sweden
UGIAT TECHNOLOGIES SL	Spain