



# HIDRA

High Instantaneous Dynamic Range Direct RF sampling modular chiplet Architecture

## SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

**CALL TITLE:**

Open call dedicated to SMEs for research of innovative and future-oriented defence solutions

**TOPIC TITLE:**

Research on innovative and future-oriented defence solutions

**DURATION OF THE PROJECT:**

36 months

**TYPE(S) OF ACTIVITIES:**

Studies; Design

**ESTIMATED TOTAL COST:**

€ 3,996,992.42

**MAXIMUM EU CONTRIBUTION :**

€ 3,996,992.42



### SHORT DESCRIPTION OF THE PROJECT:

**HIDRA will aim at the provision of a modular chiplet architecture for Software Defined Radio.**

The project “High Instantaneous Dynamic Range Direct RF sampling modular chiplet Architecture” (HIDRA) offers to execute studies and design regarding Digital Signal Processing for Software Defined Radio. The planned deliverable is a new modular chiplet architecture that would enhance the ability to distinguish the faintest signals in presence of powerful interferers (high instantaneous dynamic range).



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



 <b>NAME</b> OF THE ENTITY	 <b>COUNTRY</b>
Beyond Semiconductor, raziskave in razvoj, d.o.o. (Coordinator)	Slovenia
BALTIJOS PAZANGIU TECHNOLOGIJU INSTITUTAS	Lithuania
UNIVERSITE DE BORDEAUX	France
UNIVERZA V LJUBLJANI (UL)	Slovenia