Co-funded by the European Union

ΕΣΠΑ 2021-2027
Βιώσιμη Ανάπτυξη για Όλους
Partnership Agreement 2021-2027

Programme: "CENTRAL MACEDONIA" 2021–2027"
Action: "Innovation Investment Plans"

Project Title: ***«EMBNOESIS – Market Ready NB-IoT Sensor with embedded noesis»***

Project Summary:

The Centre for Research and Technology Hellas (CERTH) is participating in the "**Central Macedonia**" Program of NSRF 2021-2027 through the Action «**Innovation Investment Schemes**», co-financed by the European Union and National Resources.

The project titled «EMBNOESIS - Market Ready NB-IoT Sensor with embedded noesis» aims to develop and commercialize data analysis systems that incorporate advanced Artificial Intelligence (AI) algorithms to support autonomy, efficiency, and competitiveness across the industrial sector.

Indicative expected benefits of this project, through the interventions it includes, are:
the development of cutting-edge technology that will enhance innovation in Central Macedonia, the creation of new high-skilled jobs in the field of research and development, the improvement of the competitiveness of businesses that adopt the technology, as well as the promotion of sustainable IoT solutions that support the transition to Industry 4.0.

The objective of the project is the development of a fully functional NB-IoT sensor, ready for immediate commercialization, with real-time data analysis capabilities. In parallel, the project seeks to integrate intelligent algorithms that enable autonomous operation and real-time decision-making, to strengthen the presence of high-tech Greek products in international markets, and to support green growth through the implementation of efficient and energy-sustainable technologies.

As a comprehensive outcome, EMBNOESIS provides an innovative, complete solution that combines hardware and software for advanced operational insights, utilizing AI to improve operational efficiency through databased automation. Its flexible design ensures it can be easily adapted to different industries, offering a practical and scalable way to optimize processes and reduce costs.

Total Project Budget: 326.550,00€
CERTH Budget: 83.250,00€