

EEA FINANCIAL MECHANISM 2014-2021  
Business Innovation Greece – Results 3<sup>rd</sup> Call for Proposals  
List of Approved Projects

FOCUS AREA: GREEN INDUSTRY INNOVATION

Individual Project Scheme

	PROJECT PROMOTER	PROJECT NAME	NORWEGIAN PARTNER	LOCAL PARTNER	TOTAL PROJECT BUDGET (EUR)	APPROVED GRANT (EUR)
1	MONOSCIENCE - ECOBUILDERS ΣΥΣΤΗΜΑΤΑ ΜΟΝΩΣΕΩΝ ΑΕ	ROBOTIC CONCENTRATED SOLAR THERMAL COLLECTOR - LIGHTHEAT	N/A	N/A	€ 864,838.00	€ 400,500.00
	<b>Brief Project Description</b> R&D project which aims to develop a solution that can use solar thermal energy to cover the heating needs of buildings. The collected energy can also be used to cool a building and be applied for clean water production through desalination pasteurisation. The solar thermal collector can be used in residential or commercial buildings (e.g. hotels) and factories. The footprint of the whole system is small enough to be able to be installed in the terrace of most commercial buildings while not being visible from the ground level.					
2	Brite Hellas S.A.	Development of Worlds First Commercially Viable Solar Panel based on Perovskite Technology	N/A	N/A	€ 956,727.00	€ 433,200.00

	<b>Brief Project Description</b> R&D project for the development of a material and production process for perovskite solar cells. Halide perovskites are a family of materials that have shown potential for high performance and low production costs in solar cells. Perovskite solar cells have shown remarkable progress in recent years with rapid increases in efficiency, from reports of about 3% in 2009 to over 25% today (source: energy.gov). While perovskite solar cells have become highly efficient in a very short time, a number of challenges remain before they can become a competitive commercial technology. Through this project, Brite intends to test and validate the technology at a production scale, with samples of 50cm x 50cm and 1m x 1m, and to bring the technology from TRL5 to TRL8.					
	<b>PRESSIOUS ARVANITIDIS S.A.</b>	GREEN OFFSPRING	N/A	N/A	€2,421,598	€1,210,555
<b>3</b>	<b>Brief Project Description</b> Investment project. The project consists in investing in a new printing machine which will allow the production of conductive ink products, a new market segment for the promoter. This investment will be new to the company but also to the local market.					
	<b>ELDIA S.A.</b>	ORGANIC WASTE PROCESSING: FROM LANDFILLING TO CIRCULAR ECONOMY	N/A	N/A	€ 1,430,800	€ 855,280
<b>4</b>	<b>Brief Project Description</b> Investment project The aim of the project is the improvement of organic waste management in the targeted region, which lacks in licensed modern facilities to process large volumes of organic waste. The project consists in investing in a new processing facility of organic waste. With this project, ELDIA will extend the waste management services that it offers, thus increasing its production capacity.					

**FOCUS AREA: BLUE GROWTH**

**Individual Project Scheme**

	<b>PROJECT PROMOTER</b>	<b>PROJECT NAME</b>	<b>NORWEGIAN PARTNER</b>	<b>LOCAL PARTNER</b>	<b>TOTAL PROJECT BUDGET (EUR)</b>	<b>APPROVED GRANT (EUR)</b>
	<b>DEEPSEA TECHNOLOGIES</b>	Pythia Light: A collaborative pathway towards decarbonizing Shipping operations through AI-voyage optimisation	SINTEF AS G2OCEAN AS		€895,713	€375,841
<b>5</b>	<p><b>Brief Project Description</b> R&amp;D project The objective of the project is to develop an AI driven software solution to optimize vessels' voyages for bulk carriers, with the aim of decreasing fuel consumption and emissions. The promoter will partner with 2 Donor Partners, G2Ocean and SINTEF. G2Ocean, as a vessel operating company, will act as an end user of the product and provide the testing ground, and SINTEF will investigate how AI-driven voyage optimisation can be successfully implemented from a user perspective.</p>					
	<b>INFORMATION TECHNOLOGY FOR MARKET LEADERSHIP IKE</b>	ICT-basEd innovative platform for emission control and fuel optimization in MaRitimE sector (EcoMaRE)	SINTEF Ocean	DANAOS Management HYDRUS Engineering	€755,500	€449,000
<b>6</b>	<p><b>Brief Project Description</b> R&amp;D project. The project consists in the development of an ICT cloud-based innovative maritime performance platform for emission control management and fuel optimisation in maritime transport. The EcoMaRE platform will empower ship systems and engines to autonomously adjust their operation based on a number of requirements and regulations in order to achieve optimisation in terms of fuel consumption, energy efficiency, and emissions.</p>					

	The EcoMaRE solution will be validated in real maritime environment using real operational maritime systems and considering the domain-specific technical requirements and relevant stakeholder's needs.
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### Small Grants Scheme

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	<b>SQ LEARN</b>	Ready2Respond!	SINTEF AS		€ 399,150	€ 146,150
<b>7</b>	<b>Brief Project Description</b> R&D project The aim of the project is to develop 4 training modules using the XR technology. This new innovative XR training will provide a user friendly environment, with gamification techniques that allows the user to immerse and interact with a virtual world that facilitates the access to education.					
<b>8</b>	<b>EMVIS S.A.</b>	Data Analytics Platform for Intelligent Biofouling Management in Marine Aquaculture – iMAq	NTNU & SINTEF OCEAN		€404,700	€182,475
	<b>Brief Project Description</b> R&D project The iMAq project aims to develop a data analytics platform to facilitate informed decision-making on the management of biofouling-related issues in marine aquaculture operations. The platform will transform readily available data on ocean and meteorological variables into actionable intelligence using theory-guided machine learning techniques.					

FOCUS AREA: ICT

Individual Project Scheme

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9	Plastics - K. Kotronis SA	PRACCIS	N/A	N/A	€ 2,481,066.00	€ 1,240,000.00
	<p><b>Brief Project Description</b> PRACCIS (Plastic Resin Automatic Central Conveying Intelligent System) is an investment project, that will secure the automation of the remaining parts of the production process in a plastics container manufacturing facility that are still manually operated. The project will optimize raw material storage and distribution with real-time tracking of the available stock, eliminate machine downtime, optimize quality control, decrease labor intensity, and increase free working and storage space. The Project Promoter, Plastics K-Kotronis, manufactures exclusively plastic containers and lids suitable for food packaging (yogurt, feta, salads, etc.) using injection molding machines.</p>					
10	RENEL IKE	ALTITUDE (automatic aerial network inspection using drones and machine learning)		(1) Innovative Research Applications P.C. (Innora) (2) Hellenic Electricity Distribution Network S.A. (HEDNO)	€ 1,226,914.00	€ 693,500.00
	<p><b>Brief Project Description</b> ALTITUDE is an R&amp;D project that will develop an innovative solution to perform inspections of the aerial electricity network automatically, using Unmanned Aerial Vehicles (UAVs - drones) and Machine Learning (ML) and AI algorithms. Using drones will make the inspections less time consuming, more reliable and safer for personnel involved. For this project, Renel has partnered with two Greek entities: Innora, a micro-enterprise that will be responsible to develop the communication protocol used by the UAVs, and the Hellenic Electricity Distribution Network Operator (HEDNO), who will be the pilot user of the solution within the project.</p>					

	<b>OSEVEN</b>	O7Connected – An Innovative Connected Vehicles Platform for Safe and Eco Mobility	N/A	N/A	€ 696,750	€ 315,188
<b>11</b>	<p><b>Brief Project Description</b> R&amp;D project. The project consists in developing a data management platform utilising machine-learning analytics algorithms that will enable the retrieval and processing of data from connected vehicles' sensors, as well as make the radical move towards edge-based computations, for safe and eco mobility. With the O7Connected project, OSeven will offer its clients the most advanced and complete telematics solution for connected vehicles, offering connected telematics solutions of the highest accuracy.</p>					

### Small Grants Scheme

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	<b>Ulysses Hellas SA</b>	ENTERPRISE SEARCH SOLUTION FOR MARINE PROCUREMENT PROCESS	N/A	N/A	€ 151,950.00	€ 67,500.00
<b>12</b>	<p><b>Brief Project Description</b> R&amp;D-project, which focuses on simplifying email communications related to the procurement/purchasing processes in the maritime sector. Currently, all the communication and planning of ordering related to maintenance works on board vessels, for example the delivery of ship parts and equipment, is done via emails. The volume of emails for a small shipping company may be at least 100,000 per year, with some of them having diverse threads with many different correspondents. The project will aim to streamline this process as, for example, with the implemented solution it will be possible to search for all documentation for a specific transaction. This will be a vast improvement over current processes saving time, effort, and reducing errors.</p>					
<b>13</b>	<b>Vertliner P.C.</b>	AEROBUILDER	N/A	N/A	€ 304,350.00	€ 137,750.00

**Brief Project Description**

R&D project that aims to bring more innovation in the construction sector and make available precise and actionable information related to the actual status of the construction works, which will lead to the improvement of the monitoring of both the overall construction process as well as the material use and supply on the construction site. Remote and real-time access to data flows coming directly from the project site has a potential to significantly impact the coordination of the project activities and increase the efficiency and productivity of the construction, while reducing waste and cost.

More specifically, AEROBUILDER will focus on the development of a semi-autonomous Unmanned Aerial Vehicle (UAV - drone) equipped with depth and stereo cameras and LIDARs, that will permit the UAV to perform periodic monitoring and mapping of a construction site and process, to carry out quality control checks as well as automate material management on site, essentially acting as a bridge between the physical world of the construction site and the digital world of BIM and digital twin platforms.