				Enterprises 0916			
RIF PROPOSAL NUMBER	TITLE	COORDINATOR	HOST ORGANIZATION	PARTNER ORGANIZATION	PROGECT BUDGET	RIF FUNDING	PUBLISHABLE SUMMARY
ENTERPRISES/0916/0023	Smart Analytics for Improving Efficiency of Water Distribution Networks	Demetrios Eliades	Phoebe Research and Innovation Ltd	PA 1: University of Cyprus	238.200,00 €*	195.540,00 €*	An estimated T0-40% of Europe's available valer is wasted because of leakages in the supply system. In developing countries the substance is nutrous, where water looses (mainly due to leakages) can rench 40-50% of the water supply. In Europe, this corresponds to more than 10 billion tons of water lost each year, or, in financial terms, more than £10 billion for lost revenues per year for all the EU water utillies. Besides financial iscesse, leakages, can escalate to pipe breaks causing disruption of operation, water quality problems which could affect the well-being of the society, as well as increasing energy usage and increased greenhouse gas emissions which affect climate-change. In 2015, cities and communities in Cyprus lost more than 20-30% of their water due to leakages, corresponding to more than €10 million losses. Reducing this number by 5-10% would have a significant and direct financial impact on these organizations, in the order of €0.5-1.0 million per year. Today, most of the water utilities rely a) on consumers to report leakages, and b) on expert operators to monitor SCADA sensors for detecting events. However, a large volume of lost water is caused by leakages which are never detected. Academic research has advanced significantly in the past years with intelligent ICT Solutions which can enhance the utilities efficiency and leakage detection capabilities. In the WaterAnalytics project, we aim to bridge the industry with state-of-the-art research outputs. The general objective of the proposed innovation project is to conduct industrial research to develop and evaluate a novel product, WaterAnalytics, which integrates state-of-the-art intelligent monitoring methods, and big-data analytics to help water distribution system operators to improve system efficiency by 5-10%.
ENTERPRISES/0916/0065	GEOTHERMAL COLLECTOR PIPE WITH MAGNETOACTIVE THERMALLYCONDUCTIVE THE AND CONTINE THE AND CONTINE THE AND CONTINE THE AND CONTINE THE AND THE ENERGETIC BENEFIT AND THE OVERALL SYSTEM PERFORMANCE	Panos Protopapas	Elysee Irrigation Ltd	PA 1: CY.R.LC CYPRUS RESEARCH AND INNOVATION CENTER LTD PA 2: University of Cyprus	278.980,00 €*	199.951,50 €*	The GELY project seeks to develop a tailor-made geothermal collector pipe with unique advantages with respect to competition products in order to overcome the limitations of ostating market solutions. Current geothermal collector pipe introduce single-sided characteristics, which are associated either with the external or internal geometry or with materials. The GELY project aims to address this market gap in the lack of a characteristics and materials include the period of the proper size of the project and continued to the project and the project and continued to the project and continued to the characteristics and materials includes for these pipes. A combination of this type can achieve a considerably better performance per meter geothermal pipe. The innovative GELY geothermal collector pipe will be produced through: a) The incorporation of magnetoactive and thermally conductive (nanofilletrs in IPDE geothermal pipes. b) The orientation/alignment of the (nanofilletrs in a radial direction along the pipe. by using an externally applied magnetic field during the extrusion process. The increase of surface roughness through a tailor-made internal texture to obtain an optimised relation between mass flow rate and heat transfer. The proposal deal orient process and the pipe length of the pipe. A detailed computational fluid simulation that will result to the optimum combination of materials and geometry versus the solitycround conditions and the pipe length. The proposal idea is originated from the effort of a local manufacturing company of plastic pipes and fittings for water supply, irrigation, sewage and energy, named ELYSEE, a republish research and innovation company, named CyRIC - Cyprus Research and innovation Center and the Department of Mechanical and Manufacturing Engineering of University of Cyprus (UCY-MME).
ENTERPRISES/0916/0069	Real time monitoring the natural resources in the Mining Environments of Hellenic Copper Mines	Constantinos Xydas	HELLENIC COPPER MINES	PA 1: Cyprus University of Technology	248.920,00 €*	198.920,00 €*	The extraction of natural resources is frequently associated with environmental degradation due to the dispersion of potentially tooks substances. For example, numerous shandored mines (e.g. copper and gold mines) have left an environmental legacy of acidic drainage and toxic metals in downstream watersheds, with adverse effects to human and ecosystem health. Imaging spectroscopy care fefectively identify contamination and determine its sources and downstream impacts on the water cycle and on vegetation health. In this context imaging spectroscopy represents a comprehensive monitoring tool to assess the mining related environmental impacts and the progress of ecosystems restoration. Due to the societies demand on abiotic natural resources extraction and the often associated environmental degradation processes, the scientific tasks related to the natural resource management are twofold: Abiotic natural resources extraction and environmental degradation processes. The Naturalkine project will develop rarelate time. Less refundued Breakdown Spectroscopy (LIBS)-technique and apply two existing imaging techniques with an utilizate goal to monitor the natural resources in the mining environments of Heilenic Copper Mines and improve the efficiency and sustainability of copper mining operations. This will combine the disciplines of Laser spectroscopy and Mining Engineering to advance the mineral selectivity and extraction efficiency without causing long term degradation of the environments.
ENTERPRISES/0916/0063	Situational Awareness, Control and Security Pelicies Enforcement on Multiple Virtualization Personas of Personal Devices	Thanassis Bouras	UBITECH LIMITED	PA 1: University of Cyprus PA 2: CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD	262,303,20 €*	200.000,00 €*	We propose the PERSONAS framework, which protects users against advanced cyberattacks. We follow a quite different approach compared to any of the common strategies currently employed for dealing with software exploitation. We do not deliver a product with no vulnerabilities or ordivate that fixes the buyed of the programs. Outsite the opposite, we assume that the user's device is eventually compromised, but we aim at effectively we present the through a continual programs. Outsite the opposite, we assume that the user's device is eventually compromised, but we aim at effectively we prevent threats originating from one vorife (e.g., the social world) and vice versa. For example, consider a user that browses the web through an open access point of a coffee shop. If their web browser is company that requires all the employees to install a plug-in that flogs their actions performed by their web brower (for security purposes). This software should not be able to track actions that are performed by the employee's web browser outside their working environment. PERSONAS virtualization framework enforces strict icolation of sensitive data used in the social world, and vice versa, ensuring that on a particular device different virtualizate dinstances of the same system can one certificate. All the social world, and vice versa, ensuring that on a particular device different virtualizate dinstances of the same system can one certificate. All the social world, and vice versa, ensuring that on a particular device different virtualizate instances for the same system can one certificate. All the social world in the social one. The corporate instance and the social instance share the same configuration (e.g., cookies, site story, puly-ins, and passwords), however each instance has strict access to particular data. Each instance is activated based on location and network access. Both instances can be compromised, however threats that originate from the coffee shope and only affect the social instance, and vice versa. Firsity,
ENTERPRISES/0916/0140	Dioxins as a Result of Chlorine in Transport Fuel	Chara Papastephanou	cp foodlab ltd	PA 1: LabOil Services Ltd	323.970,00 €*	195.630,00 €*	The proposed research seeks to quantify the levels of dioxin in the ambient air under everyday conditions of the typical year in Cyprus, and to establish a correlation between dioxins and the chlorine content in fuels used for transportation. It will provide health professionals, consumers and policy makers with an essential tool for the pursuit of solutions to a problem which is not yet understood to its full extent. The research team involves two R&D technology leaders in Cyprus specializing in Energy, fuel and lubricant analyses (PO) and an environmental specialized laboratory (HO).

ENTERPRISES/0916/0083	Donkey Milk Bicactive Powder	Panagiotis Mousikos	P.E.S. KTIMA GEORGIADI LTD	PA 1: Cyprus University of Technology PA 2: E.U.C. Research Centre Ltd	161.874,00 €*	156.854,00 €*	Infants who are breast-fed have lower incidence as well as less sevens infections and gastrointestinal lineases compared to inforts who are seclassively for infant formula (size to the lack of binate who are selectable yies of infant formula (size to the lack of binate who are selected to the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already to the lack of the lack of binate who are already that the lack of the lack o
ENTERPRISES/0910/0159	SERVice for ImprovNig Galileo operation over Cyprus	Agisliaos Agisliaou	Geolmaging Ltd	PA 1: Frederick Research Center	234.183,60 €	199,947,00 €*	The objective of this proposal is to establish a single-frequency GNSS positioning regional ionospheric mitigation service over the eastern Medicrarean based on the more accurate representation of the state of the ionosphere. This improvement will be possible through the adjustment of the NeQuick-G algorithm, which is the basis for the ionospheric over 6 will depend on a modern digital digisorote (IPS-QI) and a collocated dual-frequency total electron content (TEC) monitor in Cyprus in the frame of real time monitoring of ionospheric propagation electron content (TEC) monitor in Cyprus in the frame of real time monitoring of ionospheric propagation electron content (TEC) monitor in Cyprus in the frame of real time monitoring of ionospheric propagation electron in the frame of the content
ENTERPRISES/0916/0030	Development of Ultra Strong Multi- Functional Carbon Fibre Texities through Nanothre - Fibre Effective Bonding	Vasileios Drakonakis	AMDM - Advanced Materials Design & Manufacturing Limited	PA 1: Cyprus University of Technology	263.636,76 €*	199.968,49 €*	In transportation, there is a continuous need for lighter and at the same time stronger structures. The aim of this project is the development and production in industrial scale of a novel, highly strong carbon fibre (CF) textile material through the introduction of additional effective load-transfer mechanisms, which excessively enhance textile functionality and eventually CF composite strength. Carbon-NanoWeld presents the industrial development of an innovative textile-mentarial with microbre-nanoflore-nanoptariols fraction devokes that intents the protexpical additional excessive control of the protection of the development of the protection of the developed processes, products and services, in further R&D activities of the consortium, and in scientific publications in pere reviewed promats where applicable. Carbon-NanoWeld aims to involve researchers in original, high-text industrial research work in the field of advanced polymer nano-composite materials through novel activities of material design, processing, and experimental evaluation. Carbon-NanoWeld reates 2.33 scientifically specialized (bc-positions (based on PDRA full-time person-months) with the aim to be sustainably supported by AMDM upon completion of the project. General objectives: 1.10 develop a new adjustable Prototype Processing-Module for innovative advanced optimal deliver the Prototype Processing-Module for innovative advanced textiles (propress of advanced of the developed Prototype Processing Module for innovative advanced textiles (propress of advanced of the prototype Processing Module for innovative advanced textiles (propress of advanced for the developed Prototype Processing Module for innovative advanced textiles (propress of advanced for the developed Prototype Processing Module for innovative advanced textiles (propress of advanced for the developed Prototype Processing Module for innovative advanced textiles (propress of advanced for t
ENTERPRISES/0016/0142	Cheminformatics aided discovery of novel COM Tribitors for Parkison's Disease Treatment	Antreas Afantitis	NovaMechanics Ltd	PA 1: Erentitiko lidyma P. L. PA 2: The Cypus Institute of Neurology and Genetics	261.697,15 €*	199,999,27 €*	The project aims at using advanced computational techniques to identify potent and superior compounds used for the treatment of Parkinson's disease (PD), a neurological disorder with no cure that affects millions of people with deveasting effects on the quality of life of patients. Specifically, the project aims at identifying novel COMT inhibitors, a class of compounds commonly used in the symptomate treatment of PD. In combination with L-DOPA and carbidopa, and aim to increase the availability of this drug to alleviate the symptoms. Accordingly, the objective of the project is to identify compounds that are potent COMT inhibitors and therefore could be of significant interest for the PD treatment. Towards this end we will develop the necessary computational and experimental methods and tools in order to: (i) identify potent COMT inhibitors among compounds already symthesized and deposited in large distabases and (ii) repurpose existing drugs that would also act as COMT inhibitors. To accomplish our goal, computational tools developed within the project will be based on ligand-as well as structure-based techniques and will generate strong evidence on the compounds potency to act as COMT inhibitors. Based on a consensus scheme that will incoorporate both ligand-and structure-based techniques and mivestigating for Pan-Assay interference Compounds (PAINS). Pormiscuous compounds etc.) a priority list of potential COMT inhibitors will be proposed. Among those, the top ranked compounds and FDA approved drugs (repurposed drugs) will be sourced and tested in vivo for the ability to hishibit COMT. Lithibitors will be incompounds that show strong inhibitors valid to entacapone.

ENTERPRISES/0916/0170	High Precision Cellular LocalizatiON System	Nikos Antoniou		PA 1: Open University of Cyprus	252.050,00 €*	199.868,12 €*	The main objective of the proposed project is to develop positioning algorithms and methodologies that will be implemented by the Host Organization into the following new products: (A)A primary product that will be called as: I-LoCON and will provide a Cellular Localization Platform of increased accuracy that will allow cellular operators to achieve increased localization accuracy detection of cellular users in both outdoor and indoor urban environments, including detecting users in indoor multi-floor environments, a process which typically is not easily feasible since current cellular systems cannot provide such detection granularity with typical localization tools and methodologies. (B)A secondary product that will be called as: i-BTS and will be a light Software Defined Radio (SDR) light cellular base station, which will be able to act as an add-on to the primary product, and will be emulsing a 4G TDD base station. The secondary product whould be capable to be mounted in the form of a psyload to on an Umanund Aerial Vehicle (UAV) that will allow search and rescue teams to detect with increased accuracy a user in a predetermined local outdoor of indoor environment. This secondary product will act as multiple vitrula cellular base stations for local outdoor indoor environment. This secondary product will act as multiple vitrula cellular base stations for local outdoor indoor environment. This secondary product will act as multiple vitrula cellular base stations for local outdoor on the product of the product
ENTERPRISES/0916/0049	Double Sided Laser Machining System For Lenses Manufacturing	Piotr Tokarski	MSL MED SERVICES LTD	PA 1: Laserlabs Ltd	251.840.00 €*	171.528,00 €	The aim of the project is the development of the Cypriot economy by: increasing the innovativeness of Cypriot enterprises, increase its competitiveness, enhance the role of science in economic development, increasing the share of innovative products of the Cypriot economy in the international market, creating a sustainable and highly specialized job and the increased use of information and communication technologies in the economy. The proposal is to implement comprehensive research and development leading to the construction of new, advanced technology of least micro machinity of optical tenses. Inter outar (ICIs) and contact lenters (I.1.) The invalvable technology process will allow to increase the product's quality termendously, as a result of using lasers for the whole technology process will allow to increase the product's quality termendously, as a result of using lasers for the whole technology process will allow to increase the product's quality termendously, as a result of using lasers for the whole technology product, which them is processed on simple, manuality controlled devices such as polishers and biockers. New technology will significantly improve the efficiency and cost effectiveness of the production process. We expect that the complete manufacturing process can be reduced from 3-4 days to 2-3 minutes. Actual nec lathe cutting technology doesn't allow the manufacturers to produce the single ICI lens for individual patient. The reason for that is the technical and economical non-effectiveness of actual technology. The newly invented technology can open the door for another biotechnology products manufactured by use of the issers. The orthopodics, the cardiology and the neural surgery are on of the most developed surgical specialities which can benefit from implementing the new technology. The possibility of implementing this technology are almost limitess, and is disfluct to estimate, especially in the era of an aging but wealthy society and the continuous increase in demand for highly specia
ENTERPRISES/0916/0055	SMART and FLEXible mobile DATA COLLECTOR for GIS	Elias Frentzos	GEONOESIS LTD	PA 1: Cyprus University of Technology PA 2: Ministry of Transport, Communications and Works	246.960,00 €*	198.396.00 €*	Much of the initial investment in modern GIS is spent on initial data collection. Traditional data collection performed with handheld GIPS by foot, increases the respective cost. In order to minimize the resources employed for the data collection process, major surveying instrument manufactures have preserted several notice in applying systems, having many dehenliges including his manufacture of the resources in the field, the review the data collection may be a state of the collection of the produced house executions that the field, the review the data collection whereas the use and exploitation of the produced house executions the field, the review the data collection counterproductive. Recently some lower cost and lower accuracy systems have been proposed, however, their cost remains in the scale of several tens of thousands or Euros while the accuracy they achieve remains questionable. MOBILO aims to overcome these systems drawbacks. Specifically, we propose a low-cost mobile mapping system which consists of a GPS / GNSS RTX, an inertial RIS/ IMU system gathering position and orientation data, as well as video cameras to collect image data. We propose the development of two low cost alternative solutions (a) one with low-cost cameras (e.g., action came) together with any existing RTX GPS, an alternative which reduces the cost of employed hardware to several hundreds of Euros, and targets to a specific customer group i.e., professional surveyors, and (b) high-end machine vision mission cameras together with RTX GPS (ARSS, INS / IMU which targets to none advanced users. We have alterably employed the basic ideas of the proposal in a rather simple form, in order to record city. We have alterably employed the basic ideas of the proposal of the proposal system in its present form. The results so far establish that the proposal system minimizes the data collection time, while providing the tools for high productivity in the office, thus reducing the costs of mapping large areas.
ENTERPRISES/0916/0160	Development of a Hybrid Ozone- Biological Process for the Treatment of Drill Cuttings	George Kazamias	Innoveting Environmental Solutions Center Ltd	PA 1: Cyprus University of Technology	250.325,00 €*	200.000,00 €*	The sustained low prices of oil and gas (OSG) and the structural changes that cocur in the OSG indistry have resulted in reconsidering of a wide range of practices at a sector of currons importance for Cyprus. Although Drill Cuttings (DC) constitute one of the most important residues of the sector, their disposal causes environmental burden and their treatment contributes significant cost due to application of energy intensive thermal methods. Although available soil treatments comprise physical, chemical and biological approaches, combined methods are considered as novel competitive technologies often offering the most effective solution. The project aspires to develop a sophisticated hybrid ozone oxidation-bioremediation system aimed to treat DC at plot-scale and to produce added-value compost as well as a microbial consortium enhancing the treatment capacity of DC bioremediation processes. Initially the pliter-plant will be designed and constructed based on the wide expertise of baryantey to evaluate the efficiency of each system. Consequently, the two methods will be combined to optimize a number of operational parameters aiming to maximize treatment efficiency. The potential of the compost generated as end-product for application in agriculture will be explored through cultivation of plants, while a microbial consortium adapted to the waste will be employed for biotreatment enhancement. Moreover, Next Generation Sequencing and GPCR will be applicately of LTD to constitute the expression of important genes involved in the processes and to determine the composition of the microbial community formed depending on operational parameters. Environment of the composition parameters. Important genes involved in the processes and to determine the composition of the microbial community formed depending on operational parameters. Through the project an alternative end section parameters. Important genes involved in the processes and to determine the composition of the microbial community formed depending on operationa

ENTERPRISES/0916/0076	Development of Wisdom Tools and Intelligent Educational Apps	Yannis Laouris	Ekkotek Limited	PA 1: UCLAN CYPPRUS	284,850.88 €*	199.395,62 €*	WisdomApps will develop wisdom-harmessing methods and systems, and market them as "engines" for diverse company-owned applications, but mainly as APIs for third-party applications. Two lines of products are foreseen: (a) Decision-Support Systems (DSS). The problems we face today are significantly more complex than a few decades ago, in all domains of human activity. Stakeholders and experts have different points of views. The new systems will be capable to engine authentically and democratically hundreds of stakeholders and harmess and exploit their collective intelligence and wisdom towards taking better decisions. (b) Intelligent Educational Apps: Use structural modeling to represent learning shills of any curriculum and use it to optimize the sequencing of presenting learning modules to a learner and thus shorten significantly the time required to master a set of skills. The applicant company pioneers already internationally in the development and application of certain technologies that are capable of exploiting collective intelligence and wisdom for small groups. The new systems will scale up these processes, developing both the mathematical structures and the necessary computer methods and systems. Their technologies approach is entirely different from solutions proposed and/or spitel by their competitors. The outcomes of the project will result in three patient applications, three scientific publications and diverse discernisation activities. The project will produce professional business and commercialization plans and the products will be made available to customers through the company's website and established App stores.
ENTERPRISES/0916/0080	Self operated vertically rising flood barrier	Antonis Tournazis	Dion, Tournazis & Associates LLc		288.000,00 €*	200.000,00 €*	ORTHOFRAGMA (ortho-upright, fragma-barrier) is a planned research project aiming at the acquisition of new knowledge and skills in developing a new innovative and smart product for the protection of the built environment and infrastructure from flood damage (Patent application filed to the UK IPO). This vertical flood barrier is normally hidden below pavement level, in front of an opening through which flood water might enter a protected area. On flood approach, hydrostatic pressure acting on a buoyant protrusion at the top of the barrier applies an upward force greater than verying to 70 THOFRAGMA, thus lifting the barrier automatically. The creat of the barrier also always above flood level, thus preventing the entry of flood water in the protected area. On flood recess ORTHOFRAGMA whosens itself again automatically placetacted design software will be developed enabling the production of components forming the assemblies of the product. The aim is to have a fully automated production process, using durable materials, with no human intervention. A prototype will be constructed for investigation in the in-house of the product of
ENTERPRISES/0916/0066	Smart Standardized Marine Sensor Cable Interface		CYPRUS SUBSEA CONSULTING AND SERVICES C.S.C.S. LIMITED	PA 1: Erevnitiko Idryma P. L	198.280,00 €*	147.526,00 €*	The goal of this project is to develop an innovative, programmable interface meeting standardization benchmarks for data and communication. This 'Smart Standardization Marine Sensor Cable Interface' will be able to replace normal marine sensor cables because of its small size, pressure tolerance, and low power requirements, and will allow sensor users and manufactures to very easily 'standardiza' a wide variety of sensors by specifying command syntax and sensor metadata in a simple SensorMI. If it used in the PUCK protocol. This will also make it easier for platform intergration since the platform will only have to develop a software module to communicate with all such standardized sensors once. Most importantly, the smart cable interface will be programmed by users in order to carry out no bard processing and formatting according to their needs. Investing in the required technical and strategy development will lead to a tremendous opportunity to capitalize on a particular need in the marine technology industry. A huge number of sensors are deployed in the world's oceans for veriety of purposes. The measurement of multiple environmental parameters is often needed, so several sensors may need to be integrated into a single operating platform. Even for systems that undergo the necessary development, the lack of standardization schemes in communication and storage of measurement data, sensor and platform metadata and control, combined with the large number of sensors are sensor and platform metadata and control, combined with the large number of sensors are sensor and platform of the complication is development and commercialization of does with a system of the control of the proprofication is development and commercialization of does with a system of the proprofication of the development and commercialization of code with a system of the proprofication of the development and commercialization of the other manufactures, results in provide the marine cable industry with advanced capabilities, and allow the marine o
ENTERPRISES/0916/0072	Innovative Enhancement of the Navarchos Fleet Management System	toannis Constantinou	tetognosis Ltd	PA 1: UBITECH LIMITED	286.632,00 €*	200,000,00 €*	With the increasing complexity of operations in transportations, there is an urgent need for companies with fleets to increase drivers and fleet productivity as well as to minimize their operational costs; therefore there is a significant demand for highly-capable, yet easy-to-use Fleet Management Systems (FMS). Esting state-of-the-art FMS operate mainly on the Good as a service and provide significant graphical information system capability and capacity as well as address the majority of operational and maintenance management requirements. On the other hand, existing solutions seem to orbibit a gap towards transforming the plethors of telemetry and tracking data into rich insights and, especially, into cost-efficient, eco-friendly consultation for both drivers and fleet managers. The current version 1 of Navarchos FMS operates on a single-server as a web service and provides mainly monitoring and reporting functionalities to fleet managers. Therefore, fleet managers are expected to analyze the plethors of available data manually, in order to infer driver behavior insights. Furthermore, Navarchos lacks of important, state-of-the-art features such as routing and scheduling, real-time visually-appealing notifications and recommendations to drivers as well as intelligent metrics and indicators about drivers' eco-driving behavior and productivity to fleet managers. The technologies and international control of the productivity of their managers. The reform in the productivity of their managers and the productivity of their managers. The main spation of this proposal is that betchicological and innovation-driven upgrade of Navarchos to NAVARCHOS 2 controlled and patients of the productivity of the managers of the productivity of the managers of the productivity of the control of the productivity of the productivity of the productivity of the productivity, and d) scalable, highly available and high performance cloud-based infrastructure.

ENTERPRISES/0916/0025	Herbal sessential cloic. Potential for development as four-fisk pesticides, plant growth promoters and produce sanitzers	Pavlina Onisiforou	Meydan Solutions Ltd	PA 1. C)prus University of Technology	214.672,80 €*	197.231,00 €*	Viridescread use of synthetic intencticides has led to negative consequences resulting in increasing attention to atternatives, such as essential oils. Essential oils contain a variety of molecules that are to a pseticides and affect bloogical parameters such as growth rate. The share of eco-pesticides in the global market is constantly increasing vicining opportunities or SMEs, such as Meyatas Solitions Ltd. In this contrate, Plansfase project objectives are: 1) to conduct research in order to obtain novel results for the efficacy of a new product containing essential oils of ecuciyitys and rosemany and its effects on rested plans and non-target mammalian species, 2) increases the participation of SMEs on the Cypriot RTDI system and 3) to support long term employment of young researchers. For materializing the objectives, the project is structured in five Working Packages (WPs). WPt contains administrative and financial management. For supporting research novelty, internationally renowned scientific perposit with participate forming the Scientific Committee. WPz tasks and activities implementation will maximize project impact and visibility at national and international level. In WPS, industrial research to determine product's effectiveness against key pests and a model natural enemy will be conducted in the laboratory and greenhouse. Moreover, research on the synergistic effects of the two essential oils present in the formulated compound in plants and its potential use as plant growth promotier and as an attenative and eco-friendly santizer during postnevest storage will be conducted. (WPA), Finally, in WPS side effects of the eco-pesticide on mammalis and mammalisan colls will be researched. The Project is fully compatible with the RESTART program call for research in enterprises and will be implemented with the synergy of Meydan Solutions Ltd and the Cyprus University of Technology (CUT).
ENTERPRISES/0916/0028	Developing an evidence-based Competence Assessment Tool for the Soft Skills of Seafarers	Ralph Becker-Heins	Safebridge Cyprus Ltd		256.622,97 €	171.937,39 €	The main objective of the project is to develop a multi-language, evidence-based Competence Assessment Tool for the Soft Sillato Scalarares (CAT-SSS). The proposed tool addresses he need of the local and global shipping industry to identify low performing masters and chief officers and provide them with targeted training and support, thus developing high performance rows and preventing human errors and associated loss of lives and cargo. Under the current proposal Safebridge Cyprus aims to significantly improve the existing online tool that the company is offering by undertaking an giornous research program. More specifically, the existing test of soft skills will be translated and adapted from English to Greek and Tagalog and an evidence base will be built to provide norms and support its validity and reliability for assessing marine masters and chief officers that are native speakers of these languages. Furthermore, a prototype platform will be designed and developed to deliver fully automatized, online assessment and reporting of the results in an fair and unambiguous way. The proposed actions will lead to the development of a one of a kind product that is not currently existing in the market. The originality of the product is determined by the combination of its properties: industry-specific, critical and institution and reporting, standardization, established reliability, validly and norms for English, Creek and Tagalog versions. This makes CAT-companies allowing them to perform cost-effective, large scale assessments, identify low performers and implement interventions to prevent accidents.
ENTERPRISES/0916/0040	Boosting Employability and Entreprenounthy by Centres of Learning and Co-operative Creativity	George Milis	G.M EuroCy Innovations Ltd	PA 1: FILOKALIA, NGO PA 2: G.E. English Centre Private Institute Ltd PA 3: Novatex Solutions Ltd	261,720,00 €	183.204,00 €	The EU Commissioner for Employment, Social Affairs, Siklis and Labour Mobility clearly emphasised that investing in people is key to econonic growth in the EU. Since 2011, Member States have been advised to implement prevention policy initiatives and measures towards improving skills and overcoming the challenges related to school-towork transitions. One of the measures to address skills mismatches has been the strengthening of the links between education and labour market, involving companies and social partners in the development of curricula and training content and methods to ensure catching up with the changing needs of the economy, Moreover, many EU countries strive to provide more opportunities to young people, ranging from improving the quality of the early childhood education, supporting fulfilder at risk of evaluation, equipping teachers with appropriate education and training to work effectively with young persons, etc. Recognising the above challenge and opportunity, the B2ECloC project aims to develop a "Learning and Co-Creativity Product Package" (IZCPI), so as to; i) increase the hard and soft employability skills of children, i.e., and hard skills on specific subject areas widely recognised as key skills in approaching the labour market (e.g., ICT, digital games, machine programming and service robots); i) implement courses based on an innovative learning methodology thus achieving higher self-motivation and engagement of children. The implemented methodology will value several qualities like team trust-building, significant degree of experimentalism, importance of positive relationships between teachers and children, flexible organisation of the time and work, learning outside the classroom; iii) offer validation and accreditation of learning outcomes, by applying for becoming an accredited education package by education authorities, first in Cyprus and then in other countries with potential customers.
ENTERPRISES/0916/0134	Fleet Information Sharing	Petros Achtypis	Prevention at Sea Ltd		298,860,80 €	200.000,00 €	The aim is to develop an invocative platform solution, Fleet Information Sharing (FISH), noted on clear-market needs and fully business oriented, addressed to the maritime industry. ISHI pethersly matches the dejectives of the Programme and the Call Research for Enterprises' as it contributes to the increased competitiveness and growth of a Opinic company through the development of an innovative solution and utilization of research findings during this process. FISH aims to validate and bring to the market a solution that simplifies, organises, and virtualizes the ship inspection process, by enabling users to review a ships data at any time. FISH targets to eliminate the administrative burden of the ship inspection process, by enabling users to review a ships data at any time. FISH targets to eliminate the administrative burden of the ship inspections by providing an economically beneficial solution for its users, and stakeholders. FISH is expected to be managed effectively and trinely by using standard Project Management procedures. Our company holds an ISO 9001 accreditation, therefore all Risk Management & Quality Assurance procedures will be followed strictly based on ISO. Whe have a dedicated team that will work on the project materialization, using state of the art software & hardware applications, and by employing top notch software developent procedures. We will disseminate and communicate our projects results to the intended stakeholders, based on the desemination attributes in line with National Policy arrange with the procedure of the project materialization attributes in line with National Policy of performing any countributing to it, the procedure of the procedure. We are also expecting to help the Cyprus R&I system to develop further by actively contributing to it, becoming the materialization and the contributing to it, becoming the materialization contributing to it.