

Results of competition – Smart 2014 Round 2

Total available funding for this competition was £9.4 from Innovate UK

Note: These proposals have succeeded in the assessment stage of this competition. All are subject to grant offer and conditions being met.

Development of Prototype

Participant organisation names	Project title	Proposed project costs	Proposed project grant
Avanti Communications Ltd.	Cross Platform Satellite Broadband Install Application (COPASABINA)	£547,705.00	£246,467.00
BleepBleeps	Baby & Toddler Connected Products.	£554,698.00	£249,614.00
Casewise Systems Limited	Business Process Analysis (BPA) for the Masses'	£667,815.00	£233,735.25
CI Electronics Ltd	CIE HS Project	£425,745.00	£191,585.00
Clear Returns	Risk Scoring Development Prototype for Accelerated Retail Returns	£483,094.00	£217,392.00
cloud.IQ Limited	Tailored marketing prototype from cloud.IQ	£554,678.00	£249,605.00
E-Car Club	E-Car Club (Mixed-use Electric Vehicle Car Sharing System - Prototype Development Project)	£480,314.00	£216,141.00
EIDO Healthcare Ltd	Electronic Patient Informed Consent System (EPICS)	£543,457.00	£244,555.60
engineering solution ltd	Direct Crimp Resistance System (DCRS)	£176,518.00	£79,433.00
Flat Free Tyres Limited t/a Greentyre	Smart composite puncture-proof and flat-free tyres	£358,300.00	£161,235.00
Floor Cleaning Machines Limited	The Recycler - Innovative Water Recycling System	£543,132.00	£244,409.00
Harvard Healthcare Ltd	The Tru-Grip Locking Screwdriver: A surgical innovation from Harvard Healthcare Ltd	£132,420.00	£59,589.00
i2r Medical ltd	Diabetic wound treatment device	£434,980.00	£195,741.00
ICEoxford Limited	EDEN - A Prototype 10mK Dry Dilution Refrigerator	£293,232.00	£131,954.00

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Imtex Controls Limited	PACS - Precision Actuator Control System	£199,945.00	£89,975.00
Medstrom Ltd	Aerospacer: A pressure relieving mattress overlay from Medstrom Ltd for the prevention of pressure ulcers	£201,330.00	£70,466.00
Microtech Ceramics Ltd	Microtech Ceramics Ltd. - Innovative Catalytic Converter Automotive Emissions Control	£492,106.00	£221,408.00
Moortec Semiconductor Limited	Development of a High-Accuracy Embedded Temperature Sensor Circuit Targeting 16 nano-meter finFET CMOS Semiconductor Technologies	£206,207.00	£92,793.00
Nettitude	Nettitude Data Loss Intelligence (DLI)	£546,743.00	£246,034.00
Novi Systems Ltd	Development of Prototype - Inhaler Waste Shot Machine	£184,794.00	£83,157.00
Peptinnovate Limited	Late preclinical development of a treatment for acute inflammatory disease derived from M.tuberculosis bacteria	£555,655.00	£250,000.00
Polygen Ltd	REVISED Volta Prototype Application	£345,980.00	£155,691.00
ProAirsport	ProAirsport SDDR Hybrid Microlight	£155,849.00	£70,132.00
Rapita Systems Ltd.	RapiMV- Model Varification for Aero and Auto	£525,444.50	£236,450.00
Relayware Limited	User Developed Responsive Web Applications for Indirect Channel Management - (RWA)	£529,259.00	£238,166.55
Run3D Limited	Run3D LIMITED: A NOVEL PROTOTYPE 3D-GAIT RETRAINING SYSTEM FOR DIAGNOSIS, CORRECTION AND REAL-TIME MONITORING OF JOINT AND MUSCULAR INJURIES.	£184,632.00	£83,084.00
Seren Photonics Ltd	Seren Photonics - Development of 4" semi-polar GaN templates for next generation Solid State Lighting	£237,976.00	£107,089.00
Solid Labs	Primo Playset - Kinesthetic Educational Tool Teaching Programming Logic To 4-7 Year Olds	£479,585.00	£215,813.00
The 100% Recycled Panel Company Limited	Novel 100% Recycled Plastic Panel for the Construction Industry	£407,153.00	£183,218.00
The Foundry Visionmongers Ltd	DESIGN Cloud: The Foundry - Development of a Design Lifecycle Management system and tools	£692,306.00	£242,307.00

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The GravityLight Foundation	GRAVITYLIGHT: An innovative, off-grid device that that transforms the pull of gravity into electricity	£448,892.00	£202,001.00
The Wool Packaging Company Ltd	Optimising Phase Change Materials (PCMs) in Temperature Controlled Packaging Applications (Bio-PCM)	£345,582.00	£155,511.90
Tutorfair	Tracking Interactive Performance (TIP)	£562,884.00	£249,831.00
We Are Colony Ltd	We Are Colony: developing a self-publishing platform for independent filmmakers and the creative industries, to drive new revenue models and global audience engagement.	£309,545.00	£139,295.00
Xylostream Technology Ltd	Xylostream Ultra HD Development of Prototype Project (UHDDP)	£517,254.00	£232,764.00

Proof of Concept

Participant organisation names	Project title	Proposed project costs	Proposed project grant
Barnard Microsystems Limited	ACTION - UARAD III = Airborne Collision Detection sensor for use on Unmanned Aircraft	£163,227.00	£97,936.00
Basement Masters Ltd	Excavator - a portable and hand operable spoil excavation and extraction system	£166,410.00	£99,846.00
Blagdon Actuation Research	Blagdon Actuation Research 2 Stage Valve Development	£156,260.00	£93,756.00
Briggs (UK) Ltd	Proof of Concept for a novel 'release' system for our new process for the manufacture of hollowcore concrete beams- PneumaCore	£166,604.00	£99,962.00
Clark Technologies Wales Ltd	Ultrasonic assisted caustic washing and dissolution purification of recovered PET bottle waste for the sustainable supply of food grade PET flakes – PET wash	£155,349.00	£93,209.00
COATSINK SOFTWARE LTD	Coatsink - AUTOANIM8TR	£104,602.00	£62,761.00
CompactCaddy Ltd	High Efficiency Geared Wheel Hub Motor	£17,846.00	£10,707.60
Cooper and Turner Ltd	BOLTED	£177,826.00	£100,000.00

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Craftsman Tools Limited	Quick Change Workholding	£167,762.00	£100,000.00
Exagenica Research Limited	HYDRA Proof of Concept	£147,912.00	£88,747.00
Fantoo Limited	Artificial Intelligence for email Messaging (AIM)	£166,427.00	£99,856.00
Fonleap Ltd	PetaGene	£115,103.00	£69,061.80
Helix Nanotechnologies	A Molecular Recorder System for RNA Quantification	£160,667.00	£96,400.00
IMA Ltd	A novel vision system to detect liquid in gas pipelines – LineVu	£167,049.00	£99,500.00
iProov Limited	DEFORGIMAL - Detection of Forged Image credentials using Machine Learning	£166,136.00	£99,681.51
Jellagen Pty Ltd	Process improvement to increase quality and yield, and new product prototyping by Jellagen Pty Ltd to explore new manufacturing processes utilising jellyfish derived medical grade Type I and Type II collagen.	£166,642.00	£99,985.00
Kemuri Limited	Kemuri: Smart Power Socket POC	£111,224.00	£66,734.00
MA SYSTEMS AND CONTROL LTD	WHOLE BODY BLOOD PERFUSION MONITOR	£30,945.00	£18,567.00
MediaGamma	MediaGamma's Bidder Project	£166,072.00	£99,643.00
Minster Innotech Ltd	LacDetect	£182,667.00	£100,000.00
Orbitil	BOPR	£164,056.00	£98,433.60
Oxehealth	Oxehealth non-contact health monitoring for secure rooms	£121,937.00	£73,162.00
Photobiotics Ltd	Novel, multi-action payloads for antibody drug conjugates	£199,618.00	£100,000.00
Smart Separations Ltd	Smart Separations - a novel microfiltration system with a wide range of uses	£94,349.00	£56,609.00
Trak-Rap Ltd	Automated Stretch Wrapping System for Small Heat Sensitive Products and Aerosols	£140,921.00	£84,552.00
Ulogize Ltd	Verticly	£166,113.49	£99,668.00
World of Living Traditions	Lexica Software – guided Translation Editing System	£167,000.00	£100,000.00

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Proof of Market

Participant organisation names	Project title	Proposed project costs	Proposed project grant
AAN Medical Limited	AAN Medical Non-touch automated application of medication for people with limited dexterity, such as arthritis sufferers	£16,240.00	£9,744.00
AC Synergy	Fuel Security and Management	£14,224.80	£8,534.88
Advanced Defence Materials Limited	A new Investment Casting process to produce Titanium components with functionally graded hard ceramic insertions for bearing surfaces	£42,020.00	£25,000.00
Amethyst Research Ltd	High Performance Infrared Sensors with Barrier Technology	£40,172.00	£24,103.00
ASPI Limited	CASPA	£49,618.00	£25,000.00
Badrilla Ltd	Market and product profiling for diagnostics in kidney injury	£39,519.00	£23,711.40
Biomark Limited	The development of simple, rapid and cost effective test kits and their integration with smartphone technology for monitoring occupational and environmental exposure to the isocyanates – a group of common occupational chemicals and environmental pollutants with known adverse effects on human health.	£32,336.00	£19,401.00
Body Aspect Ltd	Body Aspect's 3D Body Image Assessment Tool	£39,969.65	£23,981.79
Eco-Energy (NI) Ltd	Eco-Energy (NI) Ltd Smart-Vent whole-house balanced domestic ventilation system	£32,456.00	£19,473.60
Fullapps Ltd	Recycle2Trade	£31,260.00	£18,750.00
Global Prepaid Solutions Ltd	Automated spend control	£29,545.00	£17,727.00
Halfman Ltd	The Gates of Vienna	£41,705.00	£25,000.00
JSDESIGN	The Remote Digital Network Management System (RDNM System) is an exciting opportunity, which addresses a key issue faced by digital network owners. "How to remotely monitor, diagnose and manage	£33,670.00	£20,202.00

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	Outdoor Digital Media Networks, providing verification of network uptime and resolve any local glitches remotely which impact service level agreements between network owners and advertisers”.		
Leansion Worldwide Ltd	Surgical Glove with Barrier Breach Indication	£38,501.00	£23,100.00
LIG 3D Ltd	3D Photocopier (3D imaging and printing capability)	£39,036.00	£23,421.00
LIG Nanowise Ltd	Scanning Particle Lens Array Laser Micro/Nano Patterning System	£39,488.00	£23,692.00
Manchester Imaging Ltd	Osteodent: Proof of Market	£39,900.00	£23,900.00
Mudlark	Silver	£40,952.00	£24,545.00
Novabiomatrix Ltd	Novel 3D tissue culture device	£39,007.00	£23,404.00
Pearson Ham	Market Pricing – Data Aggregation in B2B Markets	£19,613.00	£11,767.00
Power Drive Efficiency	Proof of market for an innovation in power electronics with energy-saving potential of 30–40% in many well-established industries (cement, mining, escalators etc.)	£41,590.00	£24,954.00
Renephra Ltd.	Renephra Ltd. Validating commercial opportunity for a novel medical device to treat fluid overload	£75,000.00	£25,000.00
Sarissa Biomedical Ltd	Market study for diagnostic biosensors	£25,900.00	£15,000.00
Sustainable Home Survey Company CIC	Solid Wall Insulation via Rope Access (SWIRA)	£41,225.00	£24,500.00
Sustainable Ventures Development Partners	Digital Geo-fencing advertising Device (DGaD)	£42,700.00	£24,500.00
Warwick Analytical Software Ltd	UniPEDD - Universal Predicting Engine for Dirty Data	£42,330.00	£25,000.00
Xavia Technology	Novel Ink for Security Printing	£30,844.00	£18,506.00
Zagres Limited	Zagres Ltd - Study, assessment and proof of market potentials and economics of a new Gallium Nitride inverter technology for domestic energy storage applications	£43,071.00	£25,000.00

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