

## Results of competition – Smart 2014 Round 1

**Total available funding for this competition was £9.1million 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
Brompton Washscape	Low Energy Washing Machine - Prototype Development for Assisted Living	£250,000.00	£112,500.00
Camlab Ltd	Smart pH	£166,565.00	£74,954.00
Cydar Ltd	Cloud-based high-performance computing for real-time medical 3D roadmapping	£580,400.00	£250,000.00
Digitimer Ltd	Digitimer DS8 Neuro Stimulator	£279,489.00	£125,769.00
Entouch Ltd	Entouch - Project DUPL	£652,241.00	£250,000.00
Environmental Monitoring Solutions Limited	Sewerage Networks Active System Monitoring for Reduced Property Flooding	£407,238.00	£183,257.00
European EMC Products Ltd	European EMC Products - Developing a prototype Portable Electromagnetic Pulse Test (PEMPT)	£316,226.00	£142,300.00
Evac+Chair International Limited	Evac + Chair: Developing a lightweight, metal-free prototype of the ProtoMedic+ stretcher	£211,546.00	£74,041.00
Heat Trace Ltd	Development of Prototypes of Novel Laminar Heaters	£719,456.85	£250,000.00
Hybrid Logic Limited	HybridCluster prototype	£550,190.00	£247,585.00
HyperSpace Corporation Limited	HyperSpace Corporation Limited - Financial Services DoP	£525,740.00	£236,583.00
Inductelec Limited	Engineer a solid aluminium coil inductor and bespoke motor drive system	£442,573.00	£199,157.00
Industrial Microwave Systems Limited	Industrial Microwave Systems Ltd - Development of an advanced solid state microwave power supply in combination with a novel output antenna for use in standard industrial, domestic and novel	£400,663.51	£180,298.57

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	microwave ovens and applications		
Industrial Penstocks Ltd	Flood Barrier that uses the flotation power of the flood to automatically erect itself.	£519,227.00	£181,729.00
Ionix Advanced Technologies Ltd	High Temperature Ultrasound Transducers	£214,419.00	£96,488.55
Ispotek Ltd	Multi Camera Real Time Object Tracker' - 'Tag and Track' (TnT)	£510,470.00	£229,711.00
OwlVision Ltd.	Augmented Reality Collaborative Platform	£105,909.00	£47,659.00
PowerAll Ltd	PowerAll Sine Wave Power System	£386,696.00	£174,013.00
ROLI Ltd.	ROLI Ltd - Modular Music Platform Prototype (M2P2)	£517,630.09	£232,933.54
Runtime Revolution Ltd	Open Language for LiveCode	£204,812.00	£92,162.00
SDnC Ltd	SDnC- A Distributed Storage Power Solution	£563,516.00	£250,000.00
Sharpin Biosciences International	BioLens	£560,101.00	£250,000.00
STS Defence Ltd	FIRST - Fire-fighter Rescue and Support Technology	£425,414.00	£148,895.00
TAILgate Limited	TAILgate MATRIX	£659,514.00	£250,000.00
TBG Solutions Limited	ADEPT - Automatic Detection of Pipeline Theft	£376,772.00	£169,547.00
The Salford Valve Company Ltd	Development of Next Generation Eco-actuator for Aerosols	£352,385.00	£158,573.00
The Social Learning Network Ltd	Spiral - Education for the digital generation	£554,685.00	£249,608.00
Trade Mark Direct Ltd	Automated Trademark Monitoring Systems and IP Protection	£95,561.00	£43,002.00
UnimaQ Limited	Torch	£325,441.00	£146,448.00
VisiTech International	VisiTech International' instant Super Resolution Imaging (iSRI) system for Very High Speed Super Resolution Imaging.	£562,059.00	£250,000.00
Zettlex UK Ltd.	QUANTUM - A project to develop next generation RF sensor technology for high accuracy, high reliability measurements in harsh environments.	£451,220.00	£203,049.00

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## Proof of Concept

<b>Participant organisation names</b>	<b>Project title</b>	<b>Proposed project costs</b>	<b>Proposed project grant</b>
3Dify	3D Body Scanning Booth	£162,410.00	£97,446.00
Base Materials Ltd	Carbon Tooling	£167,327.00	£100,000.00
BioGene Ltd	Ultra-rapid full spectral detection optical system facilitating novel PCR based assays- The iPCR approach	£166,665.00	£99,999.00
Bryant Symons Technologies Ltd	WARM (Windows- Advanced Refurbishment Machine)	£197,978.00	£100,000.00
Caldervale Technology	A Next-Generation "NextGen" electrofusion welding control unit	£164,943.00	£98,965.80
Cambridge Nanotherm Limited	Development of a novel direct metallisation process for Cambridge Nanotherm's nanoceramic-Aluminium substrate in order to create a unique highly thermally efficient substrate material for the global electronics industry	£329,767.00	£100,000.00
Cantab Research Limited	Large Scale Neural Network Acoustic Models (Cantab Research)	£166,720.00	£100,000.00
CCI International Ltd	BioCP	£177,765.00	£100,000.00
Cerus Endovascular Limited	NeXsys™ - An advanced solution in the treatment of Intracranial Aneurysms	£421,481.00	£100,000.00
eCow Devon Ltd	ECow Data Service System	£149,767.00	£89,767.00
Elektraglide Limited	Elektraglide gameStream	£188,605.00	£100,000.00
Flute Office Limited	Development of a novel joining and sustainable laminating technology to enable a true cradle to cradle solution for office furniture manufactured from a single material - cardboard (CardOffice)	£163,642.00	£98,185.00
ImiTec	Autonomous Aerial Radiation Monitoring Systems	£109,677.00	£65,806.00

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Irresistible Materials Ltd	Next Generation 'Spin-on-carbon hard masks' for the semiconductor industry	£166,841.00	£100,000.00
MediaGamma	MediaGamma's DYNAMIC PRicing & INventory ALlocation (DYPRINAL)	£166,668.00	£99,998.00
Memrica Ltd	Memrica Prompt	£68,202.00	£40,921.00
Nu Nano Ltd	Low-cost massively-parallel assembly process for MEMS components	£118,187.00	£70,912.00
Ossila Ltd	Laboratory-scale Flexible Organic Roll-to-Roll Manufacturing (LabFORM)	£162,377.00	£97,426.00
Overview Ltd	Helios the next generation of servo motor for a safer, greener world	£159,544.00	£95,726.00
Proveca Ltd	Proveca Paediatric Ibuprofen IV (Powder for Reconstitution)	£159,960.00	£95,976.00
Q-BOT	SurveyBot	£169,000.00	£98,000.00
Revolve Technologies Ltd	Hydrogen Systems for Agricultural and Commercial Vehicle	£138,377.00	£83,026.00
Rotite Technologies Ltd	Integrally Moulded Low Profile Fastening Forms	£155,610.00	£93,366.00
Seactive Ltd	Seactive - Airloop Seat Suspension System	£148,413.00	£89,047.80
Sefton Technologies Limited	Nano-enabled Infection Control Catheter (NICC)	£108,305.00	£64,983.00
SENSE Biodetection Limited	Novel Technologies for the Diagnosis of Influenza and Other Infectious Diseases at the Point-of-Care.	£161,678.25	£97,006.95
The Native Antigen Company	A novel approach using VLP's to enhance the immunogenicity of peptides for generation of therapeutic Monoclonal antibodies.	£164,901.00	£98,900.00
The PJH Partnership Ltd	The utilisation of supercritical CO2 (sCO2) as a tool in the preservation of culturally significant materials	£141,460.00	£84,876.00
TLC DESIGN LTD	Project W.A.S.T.E.	£138,748.00	£83,248.50
TMT First Ltd	SPRAT (Smart Phone Remote Analysis Technology)	£184,974.00	£100,000.00

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Useful Biology Ltd	Rapid, specific and sensitive tests for water borne pathogens	£145,020.00	£87,012.00
VEQTER Ltd	Development of a conceptual robotic device for the measurement of internal stresses in hazardous or limited access environments.	£187,387.00	£100,000.00
Visual Technology Services Ltd	3D PDFs for Geospatial Data Reporting	£154,158.00	£92,494.00
Witt Limited	Developing a WITT prototype to harvest energy from human motion for use in recharging mobile phones and other similar devices, especially where mains power is restricted or unavailable.	£161,776.00	£97,065.00

## Proof of Market

Participant organisation names	Project title	Proposed project costs	Proposed project grant
Bath Labs Ltd	Bath Labs Ltd: A study into the commercial viability of a large-scale, distributed, rapidly-deployable Smart Appliance energy storage solution to improve the cost-effectiveness of renewable energy generation	£41,640.00	£24,984.00
Food Dudes Health Ltd	Photographic dietary assessment app for children	£41,577.00	£24,945.00
Forensic Access	DNA sampling tool	£39,323.00	£23,593.00
Industrial Valve Machining Services Ltd	Merlin - phase 2	£40,412.00	£24,247.00
iProov Limited	IdentIFRAME : Identity Industry FRamework for Authentication Market Evaluation	£40,575.00	£24,345.00
Jaco Tooling Company Limited	Formulation & Development of Advanced High Corrosion & Wear Resistant Material & Manufacturing Technique for Tobacco Shredding Machine Knives & Wear Parts	£53,838.00	£25,000.00

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LIG Nanowise Ltd	Super-Resolution Optical Microscopes	£39,492.00	£23,695.00
M Squared Lasers Ltd	Laser Sources for Real-world Quantum Technology Applications	£41,220.00	£24,732.00
material communications group ltd	Material DNA	£48,120.00	£25,000.00
Matrix Magnets Ltd.	Developing and Marketing a Novel Analytic Instrument	£25,000.00	£15,000.00
Nano Products Ltd	ZAP2TAP: Solar Sterilisation Technology for Clean Safe Water	£40,450.00	£24,270.00
Nebulair Technologies Ltd	Research into the possibility of effective sanitisation in situ.	£41,700.00	£25,000.00
Orphidia Ltd	PuMPED - Proving the Market of Point-of-care Diagnostics	£36,130.00	£21,678.00
pECM Systems Ltd	Modularised Platform Technology of Twin Axis PECM Machine Tool	£45,023.00	£25,000.00
Ponds4fish Limited	Modular Containerised Aquaponics System	£44,000.00	£25,000.00
Shift Thought Ltd	Shift Thought Ltd- Digital Money Agent Graph	£13,997.00	£8,397.00
switchee	switchee - a home management and energy saving solution	£48,325.00	£25,000.00
Talar-Made Limited	Research and Development of Pressure Care Support Surface and Suspension Device Technologies for the Treatment and Prevention of Pressure Ulcers	£70,091.00	£25,000.00
The Sustainable Home Survey Company CIC	Solar Bikes - Community Transport	£42,063.00	£24,500.00
Ullrich Designs Ltd	Ullrich Designs Ltd - High performance climbing shoes with health benefits - Proof of Market	£15,000.00	£9,000.00
Undo Software	Assessing the commercial viability of the Undo Flight Recorder: a new technology that assists in the diagnosis and fixing of Linux and Android software failures in the field.	£42,952.00	£25,000.00

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