

## Results of competition – Smart 2014 Round 6

**Total available funding for this competition was £9.3million 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
Akacode Technologies Ltd	Knowledge based Code Composer	£339,685	£152,858
Aquavitrum LTD	Aquavitrum - Revolutionary glass cullet recovery machine	£249,575	£112,309
Autochair Limited	Autoseat Project	£507,322	£177,563
Brightpearl Limited	Brecon	£676,562	£236,797
Cambridge Flow Solutions Ltd	Validating a novel, highly-efficient higher-order LES flow solver	£56,165	£25,274
Castlet Limited	Development of prototype low-cost electrostatic precipitator voltage supplies based on efficient resonant conversion to reduce industrial emissions	£461,346	£207,605
Deltex Medical	Development of a 4Mhz suprasternal Doppler probe for cardiac output measurement	£512,811	£179,484
Fibre Extrusion Technology Limited	Novel Suture Prototype - Project to develop and deliver an innovative late stage prototype process to produce very high strength absorbable coated materials, for use in advanced medical sutures, with potential spin off uses in other medical and non-medical areas.	£504,409	£226,984
Greenwall Environmental Evolution Limited	Rapid Asbestos Detection Device	£577,784	£250,000
Haberdashery London Ltd.	Lightvert DOP project	£561,646	£250,000
Hubbub Deliveries Ltd	INSTANT - Integrated, Novel and Scalable Technology for Automation of delivery Networks and Systems in the online grocery market	£555,196	£249,838
Inova Design	Non-Invasive Continuous Physiology Monitor (NCPM)	£548,403	£246,781

**Note: to see the project description, please see here:**

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Solutions Ltd			
InterVision Global Ltd	Automatic Implant Verification and Identification System (AIVIS)	£559,451	£250,000
ioLight Ltd	Portable High Resolution Microscopes	£205,840	£92,628
Kingkraft Ltd	Aero Hoist	£46,132	£20,759
Motivation	Freedom through Design - Putting People at the Heart of Wheelchair Design	£187,517	£84,382
Nuclera Nucleics Ltd	Development of a next-generation DNA synthesis platform	£450,918	£202,913
OptoSci Ltd	Advanced TDLS System for CO2 & Blackdamp Detection in Mines - DoP	£367,709	£165,469
Oxehealth Ltd.	Oxehealth non-contact health monitoring prototype for secure rooms	£331,103	£148,996
PetroStrat Limited	Project BioSteer	£551,622	£193,068
Power Efficient Systems Ltd	EnergyAce Energy Reduction System	£430,147	£193,560
Rapid EPS Ltd	Development of a rapid deployment safety fan that bolts onto existing building framework and is movable on rails between floors without the use of a crane significantly reducing operating costs.	£199,929	£89,968
Reprint Ltd	Innovative Large Area Printer for LED Lighting Applications Proposed by Reprint Ltd	£122,950	£55,327
Scribestar Limited	Project Portland	£388,826	£174,972
Synapse Information Limited	Cloud CFO	£552,646	£248,691
Technijet Ltd	Digital Printing Media Preparation	£185,018	£83,258
Tomorrows Medicines Ltd	Clinical Validation of Novel Patient Recruitment Platform	£289,418	£130,238
Trumeter Technologies Limited	Development of a new heat resistant lighting system for use in consumer ovens	£300,947	£100,947
Virtual Class Ltd	MATH - Third Space Learning	£500,181	£225,081
Visbion Ltd	A comprehensive web-based broker system for biotechnology design and manufacturing	£606,601	£250,000
Webmoco Ltd	i-Kno' Realtime Reporting Prototype	£334,990	£150,643

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## Proof of Concept

Participant organisation names	Project title	Proposed project costs	Proposed project grant
3Desk Ltd	PeopleGraph	£162,116	£97,270
About Tack Limited	PoC proposal: Development of a horse racing saddle utilising a dynamic load distribution system to reduce pressure under the saddle, improving performance and reducing injury.	£136,565	£81,939
Affarii Technologies Ltd	Small Site Digital Broadcast Radio	£166,532	£99,919
Axsym limited	TecLab: intuitive and adaptable visual drag-and-drop analytical simulation environment (AXSYM LTD)	£156,277	£93,766
Base Materials Ltd	GATOR – Graphene Tooling Board	£175,802	£100,000
Biovation UK Limited	Novel Advanced Orthopaedic Instrumentation For SCI	£187,983	£100,000
Birmingham high performance turbomachinery limited	Birmingham high performance turbomachinery limited	£165,012	£99,007
Credent Medical	Accurate Non-Invasive Blood Glucose Monitoring device	£162,587	£97,552
Dearman Engine Company Ltd	Transport Refrigeration Unit Customisation Strategies	£289,673	£100,000
Dogtooth Technologies Limited	Ananassa	£176,162	£100,000
Epicardio Ltd	Patient-Specific Simulation of the Heart Organ for Diagnosis	£166,599	£99,959
Evvnt	GigExpert: a system for promoting events in pubs and other independent local venues via customer relationship management (CRM) and digital channels	£163,602	£98,161
GPF One	Hypetex – a novel coloured carbon fibre composite	£165,727	£99,436
Guidance Automation Ltd.	Electronic Scanning MIMO Radar Development for Railway Level Crossing Obstruction Detection and Alerting	£185,917	£100,000
Legionella Test Company (LTC) Ltd	Proof of concept for a rapid, point of use test for Legionella pneumophila	£100,000	£60,000

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Lupe Technology Ltd.	Lupe Technology - Energy Recovering Vacuum Cleaner (ERVaC)	£165,800	£99,480
Magnomatics Limited	MAGSPLIT: Vibration controller	£169,194	£100,000
Matt Burns Ltd	CameraForensics - An Online Service for Law Enforcement, Insurance and Security Services	£164,481	£98,689
MEV	Mini-PAUT. Fast, compact phased array ultrasonic testing system	£164,145	£98,487
MW Polymers	Gas Pipe Relining System Using a Novel Magnetically Cured Polymer Resin to Cost Effectively Recondition Ageing Multi Occupancy Building Infrastructure	£166,415	£99,849
Nuformix Limited	Cocrystal-enabled Inhaled Therapy for Idiopathic Pulmonary Fibrosis	£73,024	£43,814
Oxford Learning Solutions Ltd	Peasyread Smart Mobile Literacy App	£163,648	£98,188
Peptinnovate Limited	Disease Modification of Asthma by molecules derived from TB bacteria	£177,711	£100,000
Portent.IO	PortentIO LTD: Film Data Predictive Analytics	£160,672	£96,403
Q-Eye Ltd	Q-Eye: a proof of concept Terahertz to Gigahertz device for accurately sensing hidden materials in screening/identifying applications	£274,197	£100,000
Repositive Limited	Repositive Ltd: development of a prototype "privacy preserving query engine" – for secure querying of confidential genomics databases, to enable efficient and ethical data sharing for precision medicine, disease diagnosis and genomics research.	£87,154	£52,292
Simitive Limited	Simitive - iCOM - Proof of Concept	£167,626	£100,000
Singer Instruments Company Limited	Novel Modular Transport Mechanism to connect automated modular bio robotics systems	£184,094	£100,000
Smart Separations Ltd	Smart Separations - a novel microfiltration system for air purification and emissions control	£168,155	£100,000
Stent Tek Limited	Stent Tek Limited: Improving outcomes for hemodialysis patients through minimally invasive vascular access creation.	£166,155	£99,693
Switchee Ltd	Switchee – an energy saving and property management device, targeted initially at the UK social housing sector.	£173,969	£100,000
Tecman Speciality Materials (TSM)	Tecman Speciality Materials (TSM) , Carbon Fibre Reinforced Plastic Dual Action Adhesive Tape (CFRPB-DAAT) proof of concept	£167,242	£100,000
Tecni-Form Ltd.	PORT (Polypropylene Rotomoulding Tank)	£119,132	£71,479

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Tethered Media Ltd	skim.it POC project	£167,796	£100,000
Trumeter Technologies Limited	Proof of concept: Fully integrated capacitive touch controls in a stainless steel metal panel	£142,312	£77,312
Ultrromex Ltd	Proof of concept to investigate a cost effective, environmentally safe closed loop system, to recover metals from spent pot liners / crucibles used in the melting of all types of metals, either during the initial smelting stage or metal purification stage.	£143,797	£86,278

## Proof of Market

Participant organisation names	Project title	Proposed project costs	Proposed project grant
Acidophil Ltd	Market assessment for novel, natural product derived animal health therapeutics	£43,000	£25,000
Adaptive Array Systems Ltd	Hardware Acceleration Hardware for Highly Integrated Signal Processing	£38,989	£23,393
Ancon Technologies Limited	Analysis of Market for the Next Generation of Explosives, Chemical Weapons and Narcotics Detection Technologies	£41,667	£25,000
Autichem Ltd	Industrial Scale Continuous Plug Flow Reactor with Improved Heat Transfer and Mixing Control	£38,302	£22,981
AutoTrip Limited	Connected Car Privacy System - CPS	£44,222	£24,500
Blueberry Therapeutics Ltd	Nanoparticle Formulation for the Treatment of Tinea Pedis	£40,699	£24,419
Clin-e-cal Ltd	Rafi-tone: Market testing resubmission	£41,550	£24,930
Cresset BMD Ltd	Market research to validate the commercial potential for a novel cloud-based application to enable medicinal chemists to rationally design new compounds for pharmaceutical R&D.	£42,500	£25,000
Cryomation Ltd	Assessing the Commercial Feasibility of Cryomation; the Zero Emission Alternative to Cremation	£41,600	£24,960
Cypic Ltd	FRUITCHECK - A novel automated 100% inspection and packing system to improve the shelf life of Ready to Eat fruits.	£42,400	£25,000
Design By Sol LTD.	Bump Mark - Bio-Reactive Food Expiry Label	£22,750	£13,650
Diagnostig Ltd.	A new approach to point of assessment diagnosis of tuberculosis	£25,000	£15,000
Equipe Training	Sea Bed Sampler	£24,137	£14,482

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Limited			
Focus Innovation Ltd	Curator - Data Qualification Engine	£41,140	£24,484
Global Prepaid Solutions Ltd	Smart Energy Prepayment	£29,656	£17,793
imin	Using Open Data to Make Physical Activity Searchable	£24,310	£14,310
J Hesketh Ltd	Novel Eco Cleaning and Sanitising System	£36,102	£21,661
Lein Applied Diagnostics Ltd	In situ 3D diffusion tracking for biomedical materials	£41,600	£24,960
Lopo Innovation Ltd	Lopo Innovation - LopoFish Proof of Market Project	£32,231	£19,338
Manufacturing Service Solutions Ltd.	MSS Lasers - Proof of Market for indigenous fibre lasers & hybrid industrial cutting machines	£26,610	£15,966
Menter Mon cyf	Market investigation into commercial production of Thermatically Modified Timber (TMT) products to the UK market.	£34,006	£20,400
MI Products Ltd	SECURE BY DESIGN	£40,000	£24,000
NC Intelligent Textiles Ltd	KireNerik: Stretching the possibilities	£41,417	£24,850
NuVision Ophthalmics Ltd	Theagen: Transplantable Matrix for Ocular Surface Regeneration	£41,526	£24,915
Oxford Flow	Low cost, precision performance pressure regulator	£41,826	£25,000
Pan Studio Ltd	Computer Aided Theatre	£31,966	£19,100
PJH Partnership Ltd	Investigation into bespoke tannin blends for the cosmetics & wine industries	£40,006	£24,003
Q2C Limited	Upright, stylish mobility scooter	£42,166	£25,000
Red Embedded Systems Ltd. t/a v-connect	Enabling People with Cognitive Impairment to Access Video Communication Through the v-connect Service (EPIC)	£35,466	£21,279
Sigma Lithium Limited	Sigma Lithium - Lithium Anode Battery Technology	£41,700	£25,000
Style Eyes Ltd	Optician in a box	£31,850	£19,110
The Sustainable Home Survey Company CIC	Sustainable Home Survey (SPIRA - Solar PV Installation via Rope Access)	£41,098	£24,500
Tilslay Limited	Tislay - Proof of Market - eBEM	£43,951	£25,000
Ventive	Integrated Air Quality Sensors (IAQS)	£40,000	£24,000
Zedsen Ltd	Portable Sensor for Diagnostic Imaging	£39,191	£23,514

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Zigoorat Ltd	The study, assessment and proof of market potentials and economics of a new condition monitoring technology for Smart Grid applications	£42,914	£25,000
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