

## Results of competition – Energy Catalyst Round 1 Early Stage

Competition code: 1405\_CRD\_ENE\_GEN\_ENCATESR1

Total available funding for this competition was £4.67million from Innovate UK, the Engineering and Physical Sciences Research Council (EPSRC) & Department of Energy & Climate Change (DECC).

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

Participant organisation names	Project title	Proposed project costs	Proposed project grant
Arcola Energy	Vanadium-Hydrogen flow battery for energy storage applications - a feasibility study	£299,959.00	£257,460.00
Ceres Power Limited	Internal Reforming in Ceres Power Solid Oxide Fuel Cell technology	£262,339.00	£196,754.00
Charmstar Cambridge Limited (t/a CEAD)	Combined Energy Recovery & CO2 Removal (CoERCe)	£298,471.00	£261,042.00
Encraft	Optimising regional clusters of smart electricity networks	£291,327.00	£225,900.00
Fraunhofer Research UK Ltd.	Wake anemometry for yaw error correction: feasibility and risk evaluation.	£111,346.00	£86,271.00
Heatgen Limited	Combined Heat and Power (CHP) system with efficient free-piston engine generator	£291,155.00	£224,862.00
Modular Tide Generators Limited	MTG tidal raft platform concept	£212,067.00	£176,615.00
Nyak Technology Limited	Design, build and testing of a 2cm x 2cm organic perovskite solar cell as a building block for electricity generation from transparent glass windows	£262,995.00	£197,246.00
Oak Technical Services (Oaktec)	Biogas Engine for Distributed Generation of Electricity (Biogas EDGE)	£294,984.00	£221,238.00
Ozone Purification Ltd	Food Processing Energy Efficiency	£207,881.00	£151,251.00
SMAR Azure Ltd	Engineered textile blade with actively controlled surface/profile	£165,817.00	£120,699.00
Solaris photonics Ltd	Low-Cost Alkaline Solar Cells	£198,897.00	£172,923.00

**Note: to see the project description, please see here: <https://www.gov.uk/government/publications/innovate-uk-funded-projects> and use the Competition Code given above to search for this competition's results. This file is updated the 1<sup>st</sup> week of every month.**

# Innovate UK

Technology Strategy Board

Soltropy Limited	Low Cost Solar Thermal System	£203,370.00	£174,666.00
Synaptec Ltd	Low-Cost Distributed Multi-Parameter Sensing for Energy Networks	£298,093.00	£260,664.00
Telemetry Associates Limited	FARMERS - Farm and Rural Mixed Energy from Renewable Sources	£250,348.00	£210,268.00
The University of St Andrews	Scaled Electricity Storage Using Lithium-Sulfur Batteries	£278,254.00	£243,384.00
Transvac Systems Limited	Multistage Ejectors for Flare Gas Recovery	£285,748.00	£233,117.00
TWI Ltd	InertStrain: Long term creep strain measurement at high temperature using inert gas	£160,330.00	£140,194.00
University of Edinburgh	Two-phase polytropic energy storage	£266,282.00	£213,781.00
VerdErg Renewable Energy Limited	Exploration of bi-directional VETT configuration	£224,212.00	£168,159.00
WDS Green Energy Ltd	Ground Heat network Strategy at City Scale	£284,606.00	£257,356.00
Witt Limited	The capability of the WITT Wave Energy Convertor to generate megawatts of offshore power at a competitive LCOE	£392,867.00	£330,451.00
X L TECHNOLOGY LIMITED	OCTOPUS	£288,107.00	£237,745.00

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