

Innovate UK

Results of Competition: IDP13 OLEV Ultra Low Emissions Stream 3 CRD2

Competition Code: 1609_CRD2_TRANS_IDP13ST3

Total available funding is £1.725m 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.

Participant organisation names	Project title	Proposed project costs	Proposed project grant
Arcola Energy Ltd	Integrated Zero Operation Emissions (iZOE)	£619,978	£433,985
Alexander Dennis Ltd		£350,158	£175,079
ITM Power Trading Ltd		£98,428	£59,056
University of Warwick - WMG		£199,384	£199,384
Project description - provided by applicants			
<p>This project will deliver a truly zero operational emission bus with an optimised hydrogen fuel cell electric range extended powertrain. Significantly reducing the size of the battery to minimise weight and using a low power fuel cell to reduce costs, providing the optimum system with regards, range, shift duration, cost and weight.</p> <p>Led by Arcola Energy an experienced fuel cell system integrator working in partnership with Alexander Dennis as OEM integrator and route to market, Warwick Manufacturing Group bringing their experience in powertrain development and ITM Power, hydrogen refuelling manufacturer.</p>			

Note: you can see all Innovate UK-funded projects here

<https://www.gov.uk/government/publications/innovate-uk-funded-projects> Use the Competition Code given above to search for this competition's results

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Participant organisation names	Project title	Proposed project costs	Proposed project grant
Revolve Technologies Ltd	Flexi-Planar Fuel Cell Vehicle Integration	£448,922	£269,353
Bramble Energy Ltd		£100,463	£70,324
Surface Technology International Ltd		£199,692	£99,846
HSSMI Ltd		£218,432	£218,432
University College London		£199,667	£199,667
Project description - provided by applicants			
<p>This industry-led project will focus on proving out a highly innovative fuel cell range extender system in order to showcase the feasibility of a novel fuel cell stack as an alternative to conventional systems, which will drastically 1) reduce the cost of the system, 2) reduce the weight per power output, and 3) reduce the size of the system with increased flexibility with regards to form factor.</p> <p>The project consortium will work towards the commercialisation of UK IP in the area of fuel cell technology and manufacturing.</p> <p>The project output will be the showcasing of this novel technology in a retrofitted Renault-Kangoo ZE-HE by Symbio with a replaced UK developed and manufactured fuel cell range extender system. The 12-month project will be used to prove the feasibility of using this technology in a vehicle and demonstrate its economic and ecological advantages. The consortium members encompass the whole supply chain including end user representation as well as an academic partner who developed the technology IP in previous projects. The project is expected to significantly reduce system cost, decrease the CO2 emissions of Light Commercial Vehicles and will potentially create jobs in the UK supply chain.</p>			

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