

Innovate UK

Results of Competition: Materials and Manufacturing Round 3 - Faraday

Competition Code: 1705_MM_R3

Total available funding is £15m

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
POWERSVAULT LTD	Second Life Lithium-Ion: Recovery, Reconfiguration and Re-use (Li.2)	£294,446	£206,112
H. J. ENTHOVEN LIMITED		£54,395	£27,198
Loughborough University		£72,407	£72,407
Project description - provided by applicants			
<p>Lithium batteries are central to a number of low carbon technologies such as electric vehicles, consumer electronics, and stationary storage applications, with their load shifting capabilities poised to play a critical role in the dynamic and integrated energy systems of the future. With electric vehicles now generating volume sales (>1.26m in circulation globally), and the earliest models now approaching end of life, opportunities surrounding secondary applications now merit greater investigation. With high recycling costs, and batteries still retaining 70% capacity post transport application, there are strong economic and environmental reasons to find secondary applications for used lithium batteries. The 18 month Li.2 project, led by UK SME Powervault and supported by consortium partners Loughborough University and G&P Batteries, will investigate the processes involved in recovery and reconfiguration of second life batteries, how these can be scaled to realise maximum efficiencies, and deepen understanding of second life cells to evaluate potential for new service offerings, new product offerings, and build up remanufacturing expertise on a key commodity.</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