



PRINTED CIRCUIT BOARDS

NEWS

FUEL CELL MANUFACTURING

15/04/16

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This business-led collaborative project brings together a consortium to develop novel manufacturing capabilities for PCB based fuel cells (FFC). This innovative technology, has been previously funded by the EPSRC and the Carbon Trust during early stage research, The technology has the potential to reduce the cost of fuel cells by up to 48%, reduce significantly the weight and volume and allow any form factor which can be built from two dimensional layers. The main innovation is a) the patented technology behind this novel fuel cell, b) the integration of the manufacturing processes into existing PCB manufacturing which allows rapid up-scaling, reduction of life cycle cost and utilisation of capabilities and c) flexibility and cost competitiveness to serve multiple markets such as automotive and consumer products. The project brings together a consortium of all relevant supply chain partners supported by world leading Universities (University College London and Imperial College London) and the High Speed Sustainable Manufacturing Institute. The project partners will aim to reach MRL4 and parts of MRL5 within the project.

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