

# (MICRO:CAB)®



## The new Microcab H2EV

has now been released and will make its first public outing at LowCarbonVehicle2011, Rockingham Speedway, Northants.

The H2EV has been designed from scratch and can be powered by hydrogen fuel cell or pure battery EV.

Two fuel cell vehicles will be on show, one on the Coventry City Council/Coventry University stand and

one on the Niche Vehicle Network (NVN) stand. The NVN supported Microcab in the design of this new vehicle, grant funding a consortium of Midlands companies to bring the new vehicle into being. These include Lotus Lightweight, Penso, Delta and RDM.

Coventry University is an equity stakeholder in Microcab and continues to work jointly with the company on a number of projects. One of the university's Grand Challenges is Low Carbon Vehicles and the activities of Microcab are mutually supportive of this theme.



The new design features a bonded aluminium chassis built by Lotus, as well as Lithium battery pack, high temperature fuel cell, twin motors and onboard storage of 1.8kg of hydrogen to give the fuel cell version a range of around 100 miles. With a view to delivering a fully EU Type Approved vehicle when in production, the H2EV has been through a range of simulated crash testing processes to validate the design.

Although Microcab specialises in the development of hydrogen fuel cell power trains, the vehicle has also been designed to work as a pure battery EV with a range of about 60 miles.

The base vehicle can be specified as a light van with 200kg payload, 4 seat car or a taxi, as the platform features a completely flat floor for good accessibility.