



Manchester Fuel Cell
Innovation Centre

GM

#CLEANSPIRATION

SHOWCASING CLEAN ENERGY LEADERSHIP AND INNOVATION
IN GREATER MANCHESTER

Manchester Fuel Cell Innovation Centre

What is it?

A £4 million research centre established by Manchester Metropolitan University. When finished, the Centre will help small and medium enterprises from across Greater Manchester develop products that use pioneering hydrogen fuel cell technology.

What are its clean credentials?

Hydrogen fuel cells produce electricity by converting hydrogen into water and oxygen. If the energy used to produce the hydrogen comes from renewable sources, fuel cells offer a clean alternative to fossil fuels without the need for batteries, because hydrogen is easier to store and transport than electricity. Even if fossil fuels are used to produce the hydrogen, the resulting emissions are still lower due to greater efficiency and the lack of combustion.

Hydrogen fuel cells are already in production, but as with other early-stage technologies, can be costly. The £4 million Innovation Centre will help deliver cost savings and greater efficiency, accelerating growth in the industry.

What makes it special?

The latest technology

The new Centre will employ the use of cutting edge technology to help develop the next generation of

energy storage, including nanomaterials and 3D printing. This will compliment other work already going on at the University, such as the 3D printing of graphene batteries.

Supporting small businesses

The use of the equipment in the Centre will be offered to small businesses free of charge, helping them to develop fuel cell technology for a host of applications for the home, industry and transport.

How can I find out more?

Visit: www.mmu.ac.uk/science-engineering/consultancy/manchester-fuel-cell-innovation-centre/

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Picture credit: MMU/Hartbrights Sign Solutions

About this series

The GM Cleanspiration series is produced for the GMCA by the Greater Manchester Big Clean Switch campaign, which helps residents save money by switching to clean electricity. To find out more, or to compare clean energy prices for your home, visit www.bigcleanswitch.org/gm.



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