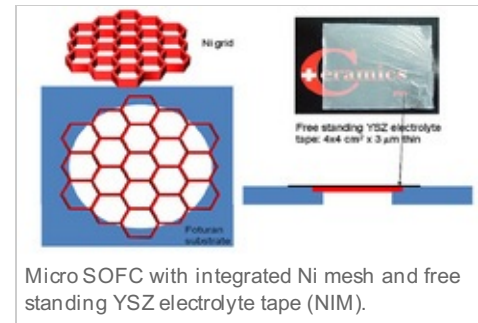


Battery Replacement using Miniaturized Solid Oxide Fuel Cell (ONEBAT)**

Scope of project

The main aim of the ONEBAT consortium is the development of a micro-Solid Oxide Fuel Cell (SOFC) system. This is a very complex task and includes solving many different problems which can only be tackled within a multidisciplinary consortium consisting of material scientists, physicists, chemists, mechanical and chemical engineers. The main tasks are the development of a microfabricated thin film SOFC, a small-scale gas processing unit, a feasible thermal system and the integration of all subsystems into one single system.



Micro SOFC with integrated Ni mesh and free standing YSZ electrolyte tape (NIM).

Contact

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**) *Finished project*