



News Release  
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## **International Interest Shown in CFCL at Hannover Fair**

Ceramic Fuel Cells Limited (CFCL) recently took part in the Hydrogen and Fuel Cells Group exhibit at the Hannover Fair in Germany, where it featured a model of its market entry product concept - a micro Combined Heat and Power Unit (CHP) in which a 1 kWe fuel cell power generator is combined with a domestic hot water system.

Visitors at the annual Fair showed substantial interest in CFCL's fuel cell development, especially the micro-CHP unit, which is currently at the proof-of-concept prototype stage.

Based in Melbourne, CFCL has developed and patented a flat plate Solid Oxide Fuel Cell (SOFC) technology, an efficient technology for generating electricity and heat from fuels such as natural gas

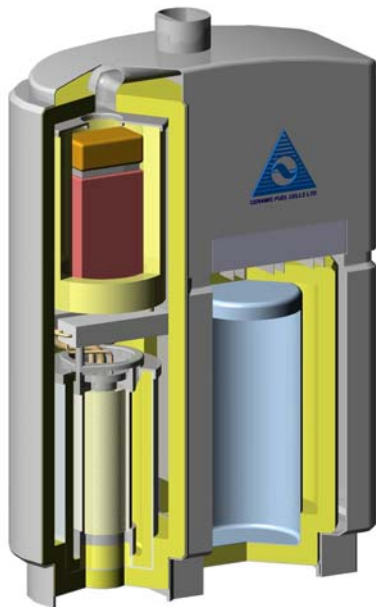
SOFC technology enables efficient conversion of a range of hydrocarbon fuels into electricity. This occurs without combustion in a virtually silent device and provides significant environmental benefits. The by-products of this process are heat, water and carbon dioxide, with carbon dioxide emissions significantly lower (by up to 60 per cent) than traditional combustion generators.

In Western Europe more than 6 million domestic water heaters are sold each year - with a significant number of these having the potential to be combined with CHP fuel cell technology to generate electricity for use in the home and export to the grid.

The UK's Energy Savings Trust has estimated that cumulative micro CHP sales of 15 European countries and Norway would potentially rise up to 12 million units by 2020.

The concept of generating electricity at either individual houses or blocks of home units is already being evaluated in several European countries, especially in Germany and the UK. Field trials involving several hundred systems using various technologies from a number of suppliers are in progress. Fuel cells are emerging as a particularly attractive option for these applications because of their continuous base load supply capability, and potential for high efficiency and low emissions. Governments are establishing favourable taxation or energy subsidies to encourage the uptake of micro-CHP because the high overall energy efficiency offers significant environmental benefits which will help meet Kyoto objectives for greenhouse gas reduction.

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**[Caption for photo left: CHP2.jpg]**  
 CFCL's 1 kW Combined Heat and Power (CHP) product concept unit launched at the Hannover Fair



**[Caption for photo left: IMG\_0733.jpg]**  
 CFCL Chief Technology Officer, Dr Karl Föger (left) with German colleagues and Dr Axel Hortsmann (right), Minister of Transport, Energy and State Planning, North Rhine Westphalia at the Hannover Fair.

**About Ceramic Fuel Cells Limited:**

CFCL is a developer of fuel cell systems based on SOFC (Solid Oxide Fuel Cell) technology and acknowledged globally as a leading producer of flat-plate all-ceramic SOFC and stack technology. Originally established in 1992 as a research consortium, CFCL was restructured for commercialisation in 1999. The company has more than 88 employees and 8,000 square metres of facilities for R&D and pilot production in Melbourne, Australia. CFCL offers 1-2 kW SOFC stacks, systems and application development support services to product development partners.

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