

However, SAFCell's development team has already shown that operating a SAFC over 100°C (where water is in vapor form) is a sufficient condition to prevent dissolution. Presently, SAFCs have demonstrated reliable stability over thousands of hours ...

SAFCell is an energy company established to market and commercialize the innovative solid acid fuel cell (SAFC) technology developed and patented at the California Institute of Technology. Solid acid fuel cells offer significant cost and performance advantages compared to other fuel cell technologies currently under development.

The chemical composition of the electrolyte differentiates one fuel cell technology from another. SAFCell's technology is based on a new class of electrolytes called solid acids. Solid acids are chemical intermediates between normal salts and normal acids.

SAFCell believes SAFCs to be a superior technology to current fuel cell types under development for medium to low power applications due to their intermediate (200-300°C) operational temperatures. Our technology enables enhanced fuel flexibility, greater variety of catalyst utilization, and extensive simplification of reformer systems.

SAFCell is a company specializing in solid acid fuel cell and hydrogen stack development for portable, stationary, and mobile applications. Their technology is fuel-flexible, low-cost, and rugged, operating on common industrial fuels like natural gas, propane, methanol, and diesel.

SAFCell's technology permits on-site generation of electricity or compressed hydrogen from all leading renewable liquid hydrogen carriers (LHCs) in one efficient and low-cost step--unlocking green hydrogen's potential to replace hydrocarbons in energy sectors worldwide

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SAFCell is the only US company developing Solid Acid Electrolyte technology for energy applications. Headquartered in Pasadena, California, SAFCell operates an R& D and manufacturing laboratory that integrates with a remote AI and machine learning



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