

Feature Energy Solutions for the Future



Mitsubishi Gas Chemical DMFC Power Supply System in Development

Mitsubishi Gas Chemical (MGC) is in the process of developing a Direct Methanol Fuel Cell (DMFC) system which, using methanol aqueous solution as the fuel, allows the direct production of electricity without going through an intermediate hydrogen generation stage. Because it provides more than a week of backup power, the system is already in use in Japan as an uninterruptible power supply at unmanned radio base stations and in live camera installations. Even when installed in remote locations, the operator can ascertain the working status of the system by connecting to the cloud server over a mobile phone line. In addition, methanol aqueous solution is a non-hazardous material and can be stored for long periods without degradation. Clean and quiet, the DMFC system provides a friendly power supply for urban and domestic applications.



Inside the DMFC cabinet



DMFC in use as live camera uninterruptible power supply

<https://www.mgc.co.jp/eng/csr/rc/eco-friendly/#ac02>



For more information about the Mitsubishi companies, see "mitsubishi.com"

■ <https://www.mitsubishi.com/en/>



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