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## **Introduction of DaimlerChrysler “F-Cell” Fuel Cell Vehicle**

Corporate Communications Dept.  
Tokyo Gas Co., Ltd.

Tokyo Gas Co., Ltd. (Head office: Minato-ku, Tokyo; President: Norio Ichino) has entered a partnership agreement with DaimlerChrysler Japan Co., Ltd. (DCJ) (Head office: Minato-ku, Tokyo; President: Hans Tempel) regarding the use of “F-Cell” fuel cell passenger cars to support DaimlerChrysler in its efforts to encourage broader use of hydrogen energy and fuel cell vehicles, and so further the development of an environmentally friendlier society.

The partnership forms part of the “F-Cell Global Program” announced by DaimlerChrysler in Stuttgart, Germany in October 2002. Under this program, a total of 60 F-Cell cars in four countries—Japan, Germany, the United States, and Singapore—are to be introduced during 2003 and 2004, and this marks the first participation in the program by a company in Japan.

Under the agreement, DCJ will provide Tokyo Gas with one F-Cell car to use for 36 months (temporarily returned for two months each year). The vehicle is scheduled to enter use in November this year, and will be used as an ordinary commercial vehicle alongside the Toyota-made fuel cell vehicle already introduced in August. Use will be made of the vehicle in awareness raising activities designed to promote Tokyo Gas’s hydrogen business and encourage the spread of fuel cell vehicles, and it will put in extensive appearances for test-driving and exhibition at a variety of environment-related events.

Tokyo Gas is currently a participant in Japan’s Hydrogen and Fuel Cell Demonstration (JHFC) Project, and, working in collaboration with Nippon Sanso Corporation, has built a “hydrogen station” for fuel cell vehicles on company-owned land in Arakawa-ku, Tokyo, for field trials.

Actual use of fuel cell vehicles produced by these two global manufacturers will enable

vehicles to be assessed taking into consideration the needs of hydrogen station users, making field trials that much more effective

Combining the resulting findings with Tokyo Gas's natural gas infrastructure, highly efficient hydrogen production technology and experience regarding natural gas vehicle stations, we aim to contribute to the development and spread of the infrastructure required for hydrogen use and the creation of new business.

(DCJ entered a similar partnership agreement with Bridgestone Corporation.)

**Additional data: Specifications of DaimlerChrysler “F-Cell” vehicle**

Name	F-Cell	
Base vehicle	A-Class Mercedes Benz	
Main dimensions	Total length/width/height	3,785/1,720/1,610mm
Fuel cell system	Maximum output	68.5kW
Motor	Type	Induction motor
	Maximum output	65kW
	Maximum torque	210Nm
	Maximum rpm	13,000rpm
Fuel	Fuel	Compressed hydrogen (350 bar)
Performance	Range	150km
	Maximum speed	140km/h (limited by speed limiter)
Cell	Type	Nickel metal hydride (NiMH)
	Output (continuous/maximum)	15/20kW
	Capacity	6.5Ah, 1.4kW