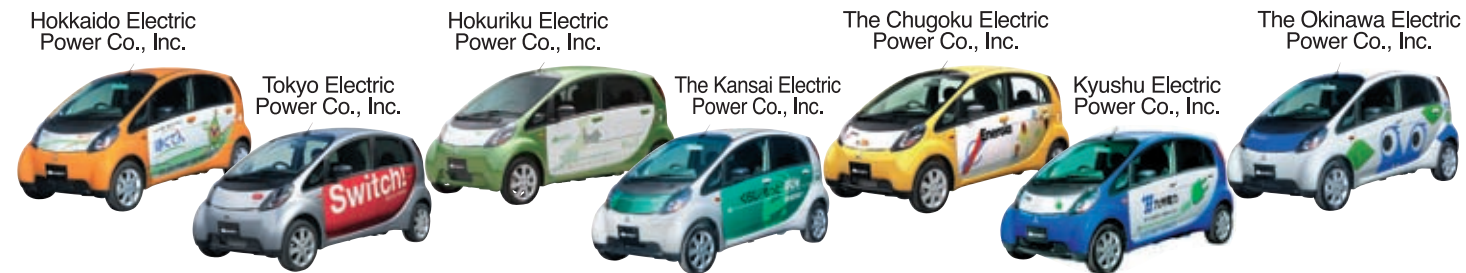


i MiEV For the practical use of EVs

Joint research with power companies

For the diffusion of EVs, infrastructure development is as important as developing the car itself. MMC has been conducting joint research with power companies using the **i MiEV**. The power companies will evaluate and analyze EVs' practical applicability and quick-charge compatibility, which will help to develop vehicles and infrastructure for safe and convenient EV use.

Joint research vehicles with power companies



New company to manufacture batteries

GS Yuasa Corporation, Mitsubishi Corporation and MMC established a joint venture company, "Lithium Energy Japan" to manufacture high-capacity, high-performance lithium-ion batteries on December 12th, 2007.

GS Yuasa is currently the only mass producer of large lithium-ion batteries in Japan. The new company will produce batteries with substantially improved performance and higher capacities suitable for EVs.



Large lithium-ion batteries (cells)

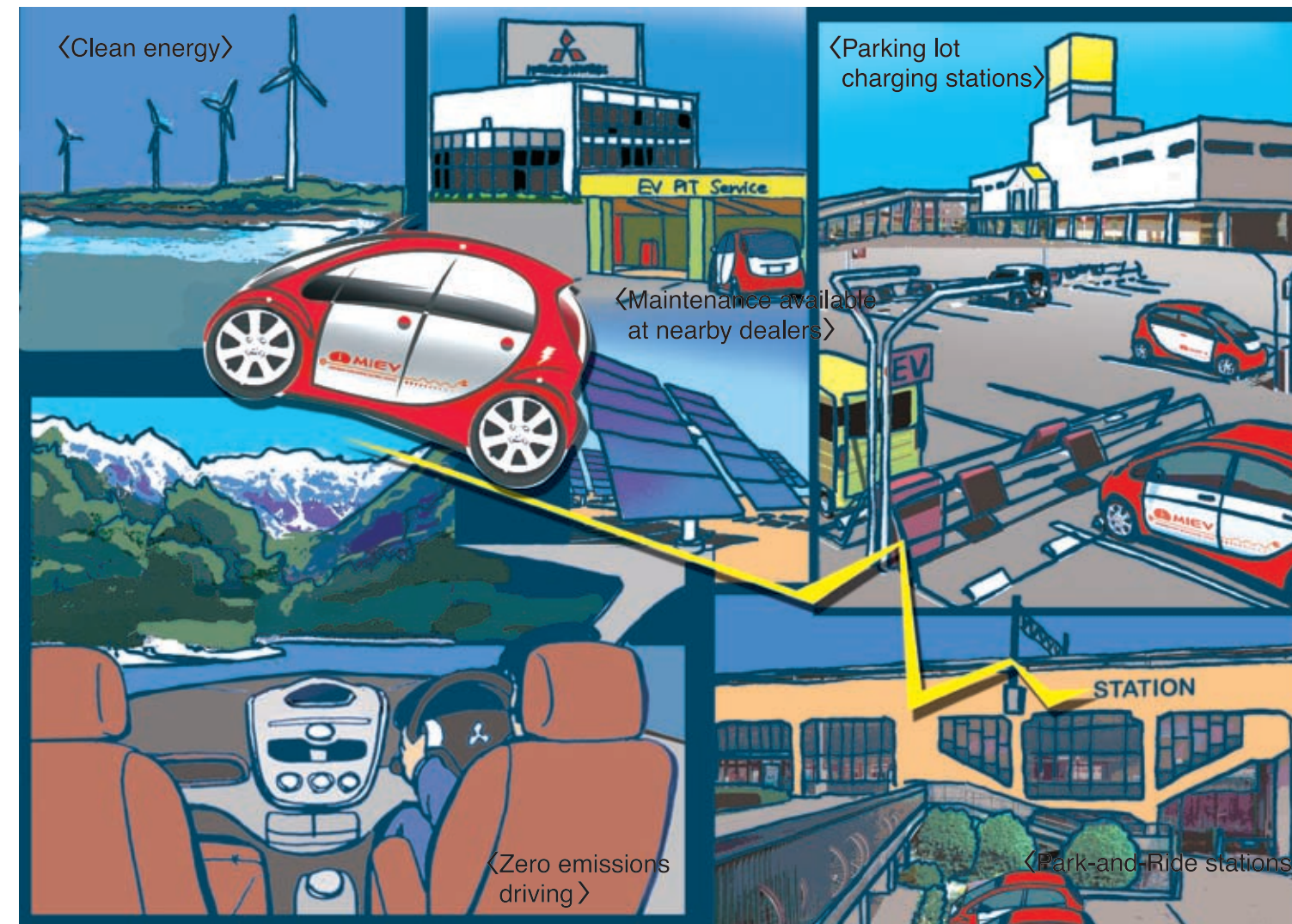
Beginning in early FY 2009, annual production of 200,000 lithium-ion EV battery cells (enough to power more than 2,000 i MiEVs) will begin at a new factory in Kusatsu, Shiga Prefecture.

Toward the future

MMC began joint research with power companies in November 2006. In February 2008, MMC started fleet monitoring test in order to verify the vehicle's technical capabilities in daily use and to evaluate the market acceptability in collaboration with the power companies. Through this joint research, MMC hopes the future commercial application of EVs.

	FY2006	FY2007	FY2008	FY2009 and beyond
November	Joint Research			
February		Fleet Monitoring Test		Commercialization
	Purpose and Content			
FY2006	Joint Research	Study of EVs for use by power companies		
		Research on practical use of quick-charger and related infrastructure		
FY2007	Fleet Monitoring Test	Driving under real-life conditions (temperature tolerances, etc.)		
		Survey of market acceptability (charging time, utility etc.)		
		Collection and analysis of technical data		

Scenes featuring i MiEV



Specifications (Targets for 2008 fleet monitoring test EVs)

Overall length x width x height	3,395x1,475x1,600mm	
Curb weight	1,080kg	
Seating capacity	4	
Max. speed	130km/h	
Range (driving pattern: Japan 10-15 mode)	160km*	
Motor	Type	Permanent magnet synchronous
	Max. power	47kW
	Max. torque	180N·m
Drive system		Rear wheel drive
Battery	Type	Lithium-ion
	Total voltage	330V
	Total energy	16kWh

*Range may vary with usage of climate controls, road conditions and driving style.

Gauges and gearshift

In addition to the standard Drive range, the i MiEV features an Eco (Economy) range, which limits excessive power going to the motor, and a Brake range which applies the regenerative brake more aggressively during incline descents.



*The regenerative brake is a mechanism that reduces vehicle speed by converting the kinetic energy into battery energy.



i MiEV
Mitsubishi innovative Electric Vehicle

