

MITSUBISHI ELECTRIC CORPORATION
PUBLIC RELATIONS DIVISION
 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-8310 Japan

No. 2816

Media Inquiries

Public Relations Division
 Mitsubishi Electric Corporation
prd.gnews@nk.MitsubishiElectric.co.jp
<http://www.MitsubishiElectric.com/news/>

Mitsubishi Electric Corporation Unveils Seven New Technologies at Annual R&D Open House

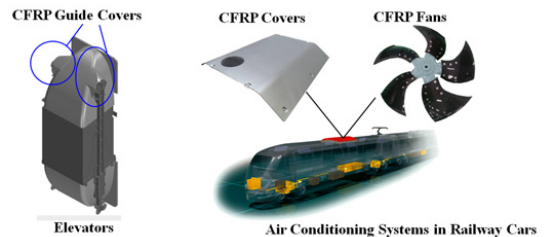
TOKYO, February 13, 2014 – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced seven new technologies, outlined below, at its annual Research and Development Open House held today at its headquarters in Tokyo, Japan.

No. 2817

Mitsubishi Electric Develops New Manufacturing Technologies for Lightweight, High-strength CFRP Materials

World-leading capacity will lead to smaller, lighter equipment

The company announced today that it has developed technologies for manufacturing carbon fiber reinforced plastic (CFRP) components in various shapes, as well as reducing their weight and improving their noise-reduction performance in commercial products. Mitsubishi Electric is applying the technologies in ultra high-speed elevators and industrial fans for delivery this year.



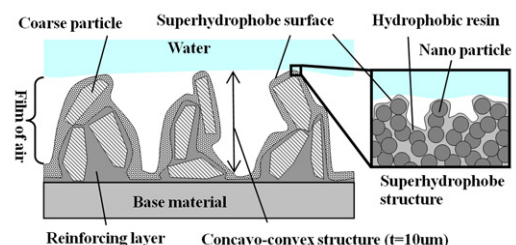
Full release text: www.MitsubishiElectric.com/news/2014/0213-a.html

No. 2818

Mitsubishi Electric’s “Smart Air Coating” Keeps Grime Off Metal & Plastic

Film protects materials from dust, dirt, ice and snow to maintain product quality

The company announced today it has developed a new technology, Smart Air Coating, which helps to keep metal and plastic products free of dirt mixed with water, snow or



ice, and dry dust and dirt. The company plans to apply the technology in products as soon as possible.

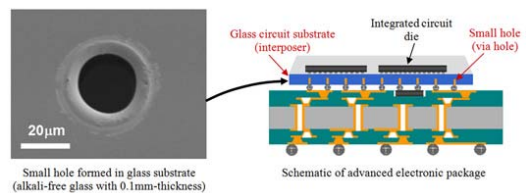
Full release text: www.MitsubishiElectric.com/news/2014/0213-b.html

No. 2819

Mitsubishi Electric Develops Micro Glass-processing Technology Incorporating Pulsed CO₂ Laser

Achieves world's smallest holes with diameters of just 25 microns

The company announced today it has developed micro glass-processing technologies that use a pulsed CO₂ laser to drill the world's smallest holes measuring just 25 microns in diameter (1 micron equals 1/1,000 millimeter) in glass substrate. The technology is expected to enhance the use of glass circuit substrates for the improved performance of electronic devices.



Full release text: www.MitsubishiElectric.com/news/2014/0213-c.html

No. 2820

Mitsubishi Electric Develops EV Motor Drive System with Built-in Silicon Carbide Inverter

The company announced today it has developed a prototype electric vehicle (EV) motor drive system with a built-in silicon-carbide inverter. The EV motor drive system, the smallest of its kind, will enable manufacturers to develop EVs offering more passenger space and greater energy efficiency.



Full release text: www.MitsubishiElectric.com/news/2014/0213-d.html

No. 2821

Mitsubishi Electric Develops High-speed Algorithms for Optimization

Formulations and high-speed calculation methods for improving system performance

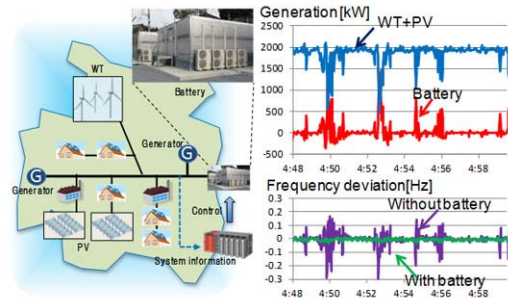
The company announced today its development of advanced optimization algorithms and high-speed calculation methods aimed at optimizing the performance of three practical systems: laser-processing machines for high-speed cutting of sheet metal using the shortest possible trajectories, moon probes achieved with minimized fuel consumption, and particle beam therapies for prompt medical treatments.

Full release text: www.MitsubishiElectric.com/news/2014/0213-e.html

No. 2822

Mitsubishi Electric Develops Enhanced Battery-control Technology for Expanded Use of Renewable Energy in Power Systems

The company announced today new advanced battery-control technology that estimates fluctuations in renewable power sources, such as photovoltaic and wind-turbine generation, and controls battery charge/discharge to minimize power frequency deviation, thereby ensuring high-quality power systems that make extensive use of renewable energy.



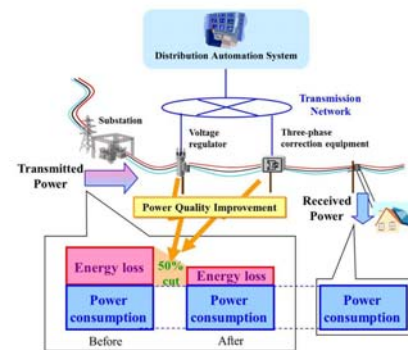
Full release text: www.MitsubishiElectric.com/news/2014/0213-f.html

No.2823

Mitsubishi Electric Develops Energy Loss-reduction Technology for Power Distribution Grids

Achieves 50% less energy loss and reduces power-generation costs

The company announced today that it has developed energy loss-reduction technology that uses fast analysis of three-phase electricity to establish optimal coordination of power-distribution grids for reductions in energy loss and power-generation costs. The technology was achieved under Mitsubishi Electric's Smart Grid Demonstration Project.



Full release text: www.MitsubishiElectric.com/news/2014/0213-g.html

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About Mitsubishi Electric Corporation

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 3,567.1 billion yen (US\$ 37.9 billion*) in the fiscal year ended March 31, 2013. For more information visit <http://www.MitsubishiElectric.com>

*At an exchange rate of 94 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2013