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Mitsubishi Electric System Uses Road-surface Projections and Car-body Displays to Indicate Vehicle Movements Clearly

Safe and Secure Lighting System to be Exhibited at 45th Tokyo Motor Show

TOKYO, October 10, 2017 – [Mitsubishi Electric Corporation](http://www.mitsubishi-electric.com) (TOKYO: 6503) announced today its new Safe and Secure Lighting system, which uses road-surface projections and car-body displays to inform pedestrians and other drivers about the vehicle's movements and actions. Selected features of the system will be exhibited with the Mitsubishi Electric EMIRAI4 concept car during 45th Tokyo Motor Show 2017, which will take place at the Tokyo Big Sight exhibition complex in Tokyo, Japan from October 27 to November 5.



Reverse indicator with illuminating road surfaces



Door opening indicator with illuminating road surfaces

The system projects large, easy-to-understand illuminated signals that are projected in clear view of pedestrians and other vehicles. Using a combination of road-surface projections and car-body displays, the systems effectively alerts others when the driver intends to travel in reverse or open a door. The natural actions of the driver automatically quickly activate the system, ensuring adequate time for passersby and vehicles to react.

Light-based indicators for intuitive communication with other vehicles and pedestrians offer important advantages for automotive safety. According to research, 60 percent of pedestrian fatalities on roads occur at night, so illuminated projections that are clearly visible to pedestrians in the dark are expected to help reduce such fatalities. Also, the actions of future autonomous-driving vehicles could be difficult for others to interpret, so extra-intuitive displays that use illumination could help to communicate the actions of such vehicles effectively.

Going forward, Mitsubishi Electric plans to continue refining its Safe and Secure Lighting technologies for enhanced automotive safety and accident prevention.

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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 4,238.6 billion yen (US\$ 37.8 billion*) in the fiscal year ended March 31, 2017. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 112 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2017