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FOR IMMEDIATE RELEASE

No. 2996

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

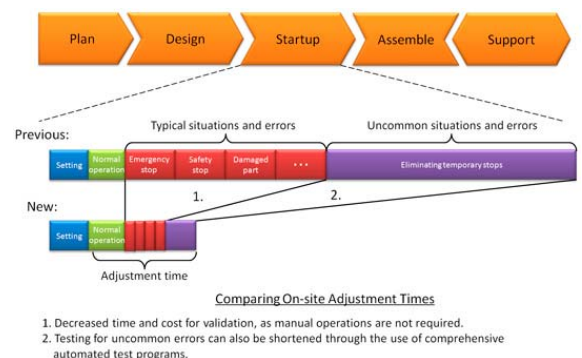
TOKYO, February 17, 2016 - [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced seven new technologies, outlined below, at its annual Research and Development Open House held today at its headquarters in Tokyo, Japan.

No. 2997

Mitsubishi Electric Develops Manufacturing Technology for Virtual Validation

Decreasing on-site adjustment time up to 75 percent

The company has created a next-generation manufacturing technology that virtualizes and simulates the motion of products and sensor data in FA controllers, making the startup and replacement of assembly lines more efficient and reducing on-site adjustment time up to 75 percent. It enables operators to generate errors such as temporary line stops in a virtual environment for the FA controller and then adjust actual line operations accordingly.



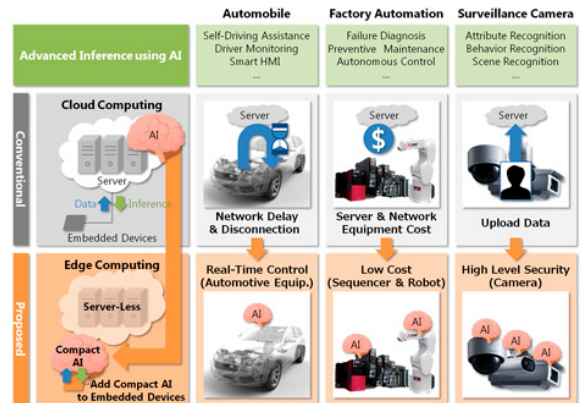
Full release text: <http://www.MitsubishiElectric.com/news/2016/0217-a.html>

No. 2998

Mitsubishi Electric Develops Compact AI

Embedded systems applications in vehicles, robots and more

The company announced today it has developed a small-memory, compact AI that can be easily implemented on vehicle equipment, industrial robots and other machines by reducing the computational costs for inference, which is a process including identification, recognition and prediction to anticipate unknown facts based on known facts. This will enable a low-cost AI system that can perform high-level, high-speed inference in a highly-secured environment. The compact AI is expected to be implemented in products sold commercially from around 2017.



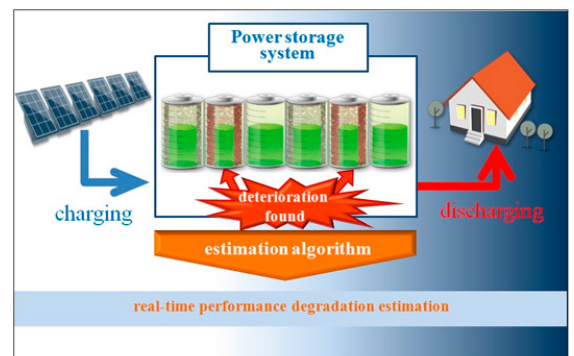
Full release text: <http://www.MitsubishiElectric.com/news/2016/0217-b.html>

No. 2999

Mitsubishi Electric Develops Online Performance-diagnostic Technology for Storage-battery Systems

Contributes to more efficient and wide-ranging use of battery systems

The company announced today a new online, real-time diagnostic technology that enables users to estimate the performance of storage-battery systems. Battery-charge levels can be confirmed remotely to within an accuracy of one percent or better. Degradation levels of battery capacity and resistance can be monitored without suspending battery operation, contributing to more efficient and wide-ranging uses of battery systems. Mitsubishi Electric aims to apply the technology in battery systems for electric and hybrid cars, trains and large-scale wind and solar power-generation plants.



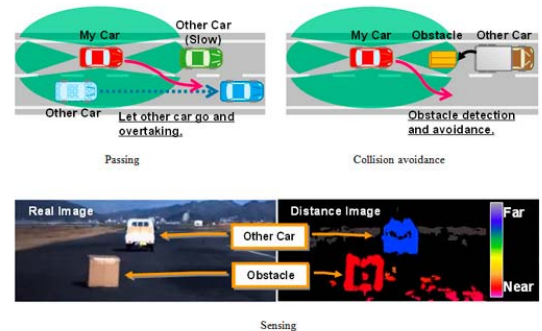
Full release text: <http://www.MitsubishiElectric.com/news/2016/0217-c.html>

No. 3000

Mitsubishi Electric Develops Collision-avoidance Technology for Advanced Driver-assistance System

Sensors provide data for passing, evasive steering and more

The company announced today that it has developed advanced driver-assistance algorithms for lane departure and passing based on perimeter sensing, and collision avoidance based on emergency steering, ensuring that its comprehensive autonomous-driving system will meet Level 3 criteria for performing all acceleration, steering and braking operations expect when the system senses that the driver should take control. Mitsubishi Electric will now accelerate trails in actual-use environments, aiming at commercial usage.



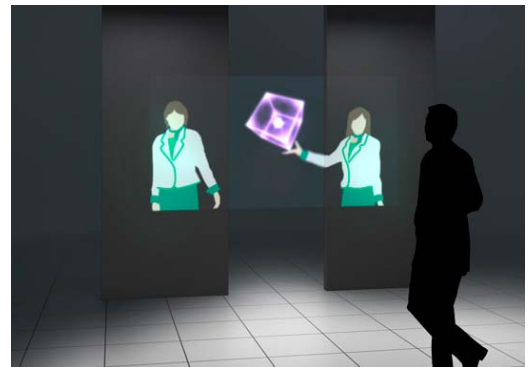
Full release text: <http://www.MitsubishiElectric.com/news/2016/0217-d.html>

No. 3001

Mitsubishi Electric Develops “Aerial Display” that Projects Large Images Midair

Realizing futuristic visual communication technology with many potential applications

The company has developed an “aerial display” that projects images measuring approximately 56 inches diagonally (886mm wide and 1,120mm high) into midair. This display will have a wide range of potential applications, and Mitsubishi Electric will proceed with development with the aim of seeing the technology commercially available from 2020 onward in digital signage, entertainment and other sectors.



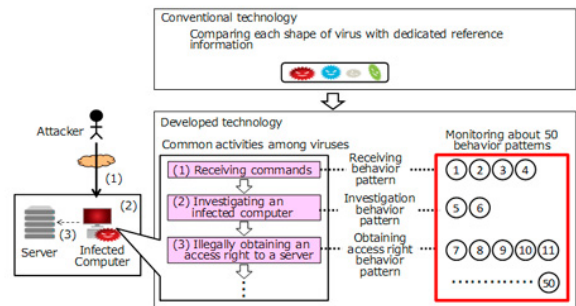
Full release text: <http://www.MitsubishiElectric.com/news/2016/0217-e.html>

No. 3002

Mitsubishi Electric Develops Cyber Attack Detection Technology

Preventing information leakage by monitoring behavior patterns typical of viruses

The company announced today it has developed a cyber-attack detection technology that can classify computer virus behavior into about 50 different patterns. Symantec's latest report on Internet security suggests a million new viruses are spawned every day, but Mitsubishi Electric's new technology offers the capability of detecting even previously unknown viruses through their behavior, preventing information leakage and its associated damages.



Full release text: <http://www.MitsubishiElectric.com/news/2016/0217-f.html>

No. 3003

Mitsubishi Electric Develops Robot to Manage 492 Segment Mirrors of Thirty Meter Telescope on Mauna Kea

Will ensure accurate, flexible and safe replacement of segment mirrors

The company announced today that it has completed a prototype robot for its segment-handling system (SHS) designed to replace the 492 segment mirrors comprising the 30-meter primary mirror of the Thirty Meter Telescope (TMT[®]) that is planned to be built on Mauna Kea in the U.S. state of Hawaii.



Full release text: <http://www.MitsubishiElectric.com/news/2016/0217-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 4,323.0 billion yen (US\$ 36.0 billion*) in the fiscal year ended March 31, 2015. For more information visit:

<http://www.MitsubishiElectric.com>

*At an exchange rate of 120 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2015