
July 22, 2026
Mitsubishi Electric Corporation
Sony Semiconductor Solutions Corporation

Mitsubishi Electric and Sony Semiconductor Solutions Agree to Establish a Joint Venture to Build AI Vision Sensor Solutions for Manufacturing Applications

**—To Enhance Recognition, Decision-Making and Control in Manufacturing and Contribute
to Labor Savings and Unmanned Operations—**

Mitsubishi Electric Corporation (“Mitsubishi Electric”) and Sony Semiconductor Solutions Corporation (“Sony”) have entered into a definitive agreement on a strategic partnership aimed at accelerating the automation and advancement of manufacturing equipment and manual operations in the manufacturing industry. Under the partnership, the two companies will establish a newly formed joint venture (“JV”), Advanced Vision Solutions Co., Ltd., which is scheduled to begin operations in October 2026, subject to the receipt of necessary approvals and clearances from relevant authorities.

Going forward, through the JV, the companies will develop and offer vision sensor^{*1} solutions leveraging cutting-edge technologies that enable AI-based analysis of visual data directly on image sensors. The solutions will precisely capture conditions and changes across a broad range of manufacturing sites that have traditionally been difficult to visualize, and connect them to decision-making and control. They will support automation and autonomous operation of a wide range of manufacturing equipment, contributing to labor savings and unmanned operations.

This partnership will enable the two companies to integrate Sony’s industry-leading image sensors and edge AI technologies with Mitsubishi Electric’s extensive expertise in FA control systems cultivated over many years. The solutions will precisely capture conditions at manufacturing sites, product quality, equipment operations, and maintenance-related information that were previously difficult to fully understand and utilize. Furthermore, it will efficiently extract the necessary information from the acquired data and connect it to appropriate decision-making and subsequent control, enabling timely and autonomous improvements tailored to equipment and operational conditions with minimal manual intervention.

In addition to vision data, the solutions will integrate with a variety of data from manufacturing sites, contributing to the development of multimodal production systems capable of detecting changes, early signs and other conditions that cannot be fully identified from a single type of data alone. Through this initiative, the companies aim to drive the deployment of physical AI in the FA domain and provide solutions that can be used without specialized expertise in optics or AI, across broad industries seeking labor savings, autonomous operations, quality improvement, and more advanced maintenance in production environments.

*1 Vision sensor: A high-precision sensor that captures images of products and parts on manufacturing lines using a camera and detects the condition and positional information of target objects in real time. By working in conjunction with factory automation (FA) equipment, it enables automation at manufacturing sites.

“Mitsubishi Electric has long provided a wide range of FA equipment to customers, primarily in the manufacturing sector,” said Takayuki Tsuzuki, Executive Officer (Associate); Group President, Factory Automation Systems at Mitsubishi Electric Corporation. “Today, the need for labor-saving, unmanned systems and autonomous optimization at production sites is greater than ever. Through this partnership with Sony Semiconductor Solutions, we will develop AI vision sensors as a new core component and build a new FA digital solutions business by integrating vision data with our digital platform, ‘Serendie™.’^{*2} Furthermore, by realizing advanced autonomous control through physical AI and other applications, we aim to provide new value to customers and address social challenges such as labor shortages.”

“Sony has contributed to solving challenges and creating new value across a wide range of industries by accurately capturing real-world information through edge-AI sensing technologies centered on image sensors,” said Shinji Sashida, President and CEO of Sony Semiconductor Solutions Corporation. “Image sensors, which serve as the ‘eyes’ that generate vision data, play an important role in enabling AI to understand on-site conditions and connect them to decision-making and control. Through this partnership with Mitsubishi Electric, which has deep expertise and a strong customer base in the FA domain, we will bring solutions that leverage our sensing technologies to the market, create value across an even broader range of industries, and further accelerate the evolution of our sensing technologies.”

About the Joint Venture

Company name	Advanced Vision Solutions Co., Ltd.
Business description	Development of AI-powered vision sensors and vision sensor solutions for factory automation (FA)
Address	3-3-3 Minatomirai, Nishi-ku, Yokohama City, Kanagawa
Representative	Tamiki Kobayashi
Shareholding ratio	Mitsubishi Electric 60%, Sony Semiconductor Solutions 40%

^{*2} “Serendie” is a registered trademark or a trademark of Mitsubishi Electric Corporation in Japan and/or other countries.

About Mitsubishi Electric Corporation

Guided by its [corporate philosophy](#), Mitsubishi Electric Corporation (TOKYO: 6503) places sustainability at the core of its operations and values stakeholder trust—encompassing society, customers, shareholders and employees. In pursuing profitability, capital efficiency and growth, Mitsubishi Electric works closely alongside customers to develop value-added solutions that address today’s complex challenges while enhancing the company’s sustainable corporate value. Founded in 1921, Mitsubishi Electric has over a century of experience in delivering reliable, high-quality products and solutions. With over 200 group companies and approximately 150,000 employees worldwide, the company is a recognized global leader in manufacturing, marketing and selling electrical and electronic equipment and systems across a broad range of sectors, including public utility systems, energy systems, defense and space systems, factory automation systems, automotive equipment, building systems, air conditioning systems & home products, digital innovations, and semiconductor & devices.

Mitsubishi Electric recorded consolidated revenue of 5,894.7 billion yen (U.S.\$ 36.8 billion*) in the fiscal year that ended on March 31, 2026. For more information, please visit

www.MitsubishiElectric.com

*JPY 160=USD 1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2026

About Sony Semiconductor Solutions Corporation

Sony Semiconductor Solutions Corporation is a wholly owned subsidiary of Sony Group Corporation and operates a semiconductor device business centered on image sensors. As a leading company in image sensors, it develops imaging technologies that provide convenience and enjoyment to individuals, and through advances in sensing technologies, expands the visual and recognition capabilities of people and machines, contributing to the creation of new value in society and industry.

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