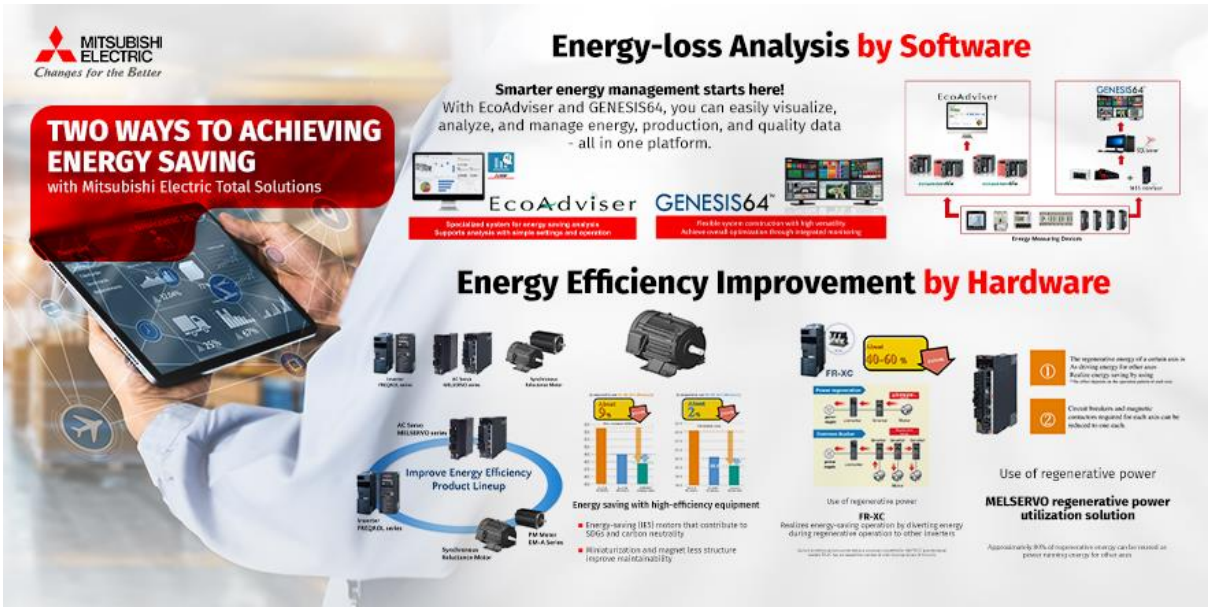
Two Ways to Achieve Energy Saving with Mitsubishi Electric



In today's manufacturing environment, energy efficiency is a key factor in achieving sustainable operations. Mitsubishi Electric provides two comprehensive approaches to help industries reduce energy consumption — through smart software solutions and high-efficiency hardware technologies.

1. Energy-Loss Analysis by Software

EcoAdviser and SCADA GENESIS64

Smarter energy management starts with visibility.

By combining EcoAdviser and GENESIS64, users can easily visualize, analyze, and manage energy, production, and quality data — all in one platform.

- EcoAdviser: A specialized system for energy-saving analysis that supports simple configuration and operation.
- GENESIS64: A flexible and comperhensive SCADA platform that enables integrated monitoring and analysis to achieve overall optimization.

Together, these tools empower manufacturers to make data-driven decisions for better energy performance and operational efficiency.

MITSUBISHI ELECTRIC INDONESIA

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2. Energy Efficiency Improvement by Hardware

Beyond analysis, Mitsubishi Electric offers a range of hardware solutions designed to improve energy utilization directly at the production site.

Inverter – FREQROL Series

- Realizes energy-saving operation using regenerative power.
- The FR-XC model diverts energy generated during regenerative operation to other inverters, allowing shared use. Supports connection of up to 10 units, an improvement from the previous 6-unit limit.

AC Servo – MELSERVO Series

- Utilizes regenerative power effectively, enabling up to 80% of regenerative energy to be reused as running power for other axes.

Synchronous Reluctance Motor

- Features high-efficiency IE5-level performance, contributing to carbon neutrality and SDGs.
- Its compact, magnet-less structure improves both maintainability and overall energy savings.

Towards a Smarter and Greener Future

By combining advanced energy management software with efficient hardware solutions, Mitsubishi Electric supports industries in achieving significant energy savings while enhancing productivity and sustainability.

For more information on how to integrate these solutions into your facility, please contact Mitsubishi Electric Indonesia – Factory Automation Division.

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