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OMRON zero emissions commitment:

innovating for a sustainable future

October 2022

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OMRON’s ESG commitment

At OMRON, we put people and the planet at the forefront of our decisions and actions.

We are working to realize a sustainable future by way of innovation. That means enabling automation that empowers people, to bring about a healthy and inclusive digitalized society.

As well as practicing respect for all, to ensure ethical business throughout our entire value chain.

And fighting climate change by striving for carbon neutral manufacturing and sustainable product design.

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OMRON zero emissions roadmap*:

targets & timeline
Scope 1 / 2

Building on our ESG commitments, we are transforming our organization to be an even more positive contributor to the three social needs where we can have the most impact; including achieving carbon neutrality.

We are committed to reducing greenhouse gas emissions, and bringing about a decarbonized society through energy conservation and cleaner power consumption.

We are putting our intentions into actions. Our zero emissions commitment across our end-to-end value chain is visualized by the following roadmap:

Fiscal 2024
ZERO carbon emissions
for Scope 2 at all **76** sites in Japan

Fiscal 2024
53% reduction
(compared to fiscal 2016**)

Fiscal 2030
65% reduction
(compared to fiscal 2016**)

Fiscal 2050
ZERO greenhouse
gas emissions

* All targets are validated by the Science Based Targets Initiative
** Fiscal 2016 is used as the reference year. The reductions mentioned are relative to the level of emissions in fiscal 2016.

OMRON zero emissions initiatives

Fiscal 2024:
Zero carbon emissions for Scope 2 at all 76 sites in Japan

Improved facilities: an inverter controls and cooling water controls were introduced as energy-saving measures for HVAC equipment. Systems controls were reviewed, measures against air leaks enacted, and adjusted discharge pressure adjusted to optimize compressor operation, leading to a 1,931MWh (1.2kt-CO2) reduction in power consumption.

Fiscal 2024: 53% reduction | Fiscal 2030: 65% reduction
(compared to FY16)

Solar power generation: doubled the amount of power generated in-house completely through additional solar facilities in plants across Japan, Indonesia and China.

Reduced power consumption: continued energy conversion (electrification), transformer upgrades, and HVAC system replacements already led to reduced power consumption of 4,566MWh (2.3kt-CO2).

Renewable energy procurement: the amount of electricity purchased from renewable energy sources from the Kansai area of Japan, Malaysia and the Netherlands totaled 49,280MWh.

Fiscal 2050:
Zero greenhouse gas emissions

Our ambition: In July 2018, we first established our goal to achieve zero Scope 1 and 2 emissions. In March 2022, we acquired the Science Based Targets Initiative Certification and increased our greenhouse gas reduction goal in line with a more ambitious 1.5 °C global warming scenario.

The initiatives mentioned here will be further supported and supplemented to achieve the zero emissions target by fiscal 2050.

OMRON joins EP100

Reinforcing OMRON's Shaping the Future 2030 commitment to carbon neutrality, the company recently announced it is joining the EP100*. By becoming a member of this international corporate initiative, which brings together over 120 energy smart businesses committed to measuring and reporting on energy efficiency improvements, OMRON commits to doubling the energy productivity** of its Industrial Automation and Healthcare businesses by 2040.

OMRON is the first Japanese company in the manufacturing industry and the fourth Japanese company in general to join the EP100 initiative. In doing so, OMRON will achieve a reduction in energy consumption, while simultaneously boosting economic growth, in line with our long-term vision; 'Shaping the Future 2030'.

* An international corporate initiative in which companies with the goal of doubling the energy productivity of their operations (e.g., improving energy efficiency by 50%) participate. Abbreviation of "100% Energy Productivity," meaning doubling the energy efficiency (Energy Productivity) of a business.

** Ratio of economic productivity to energy consumption. It is an indicator for Scope 1 and 2 of the company's business locations, with absolute energy consumption in the denominator and sales and value-added in the numerator, aiming to achieve both energy consumption reduction and economic growth.

Definitions:

Carbon neutral: limiting carbon dioxide emissions as much as possible while any residual emissions are re-absorbed from the atmosphere.

Zero carbon emissions: no carbon dioxide emissions produced at all.

Zero emissions: no greenhouse gas emissions of any kind produced at all.

Decarbonization: removing all carbon dioxide (CO2) emissions in the atmosphere accrued due to human activity.

Greenhouse gases (GHG): gases that trap heat in the atmosphere. Carbon dioxide (CO2) is the most common greenhouse gas, followed by methane (CH4), nitrous oxide (N2O) and fluorinated gases.

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For more information about OMRON's ESG journey, visit: **https://sustainability.omron.com/en/** or follow us via **#ESGjourneyOMRON**