

Jun 5, 2017

Panasonic Announces Environment Vision toward 2050

Osaka, Japan -Panasonic Corporation today announced its new, long-term environment vision called "Panasonic Environment Vision 2050" that guides the Panasonic Group to practice environmentally sustainable management toward 2050.

Ever since its founding in 1918, Panasonic has been implementing business activities based on its corporate philosophy of contributing to better lives of people around the world and to the development of the society through business activities. In striving toward this ideal, the environment has been one of the important elements defining the group's activities.

Panasonic is working in line with the current environmental action plan, Green Plan 2018 (GP2018) formulated in 2010, that was designed mainly to reduce CO₂ emissions from production activities and product use.

With the goals set in GP2018 already within reach, Panasonic has set a clearer direction for environmental management toward 2050. The new vision also reflects the company's more diversified business, including consumer electronics, housing, automotive and B2B, which entails expanded environmental efforts toward a sustainable society while providing a better life for each individual customer under its slogan "A Better Life, A Better World."

Many of Panasonic's products consume energy such as electricity for the life of the product. Under the new environment vision, Panasonic will strive not only to reduce the amount of energy consumption of its products but also enhance its energy creation and storage businesses and reduce the impact on the global environment by contributing to increasing opportunities for utilizing clean energy in various situations in society. Furthermore, Panasonic, as a global corporate citizen, aims to provide a benefit to the environment by creating more energy than it uses.

To realize this vision, Panasonic will also work on enhancing development of related technologies. The outline of the Panasonic Environment Vision 2050 is as follows.

Panasonic Environment Vision 2050

To achieve "a better life" and "a sustainable global environment," Panasonic will work towards creation and more efficient utilization of energy which exceeds the amount of energy used, aiming for a society with clean energy and a more comfortable lifestyle.

• Activities for achieving the vision

1. Panasonic will create a safe and secure society with clean energy

[Efforts]

(1) Provide eco-conscious and smart living space

"Panasonic will realize a living space with electricity created by clean energy and batteries storing such electricity, without causing impacts on the global environment."

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- Energy creation: Next-generation solar cell technology, fuel cell technology, etc.
- Energy storage: Next-generation storage battery technology, hydrogen storage technology, etc.
- Energy saving: Next-generation power device technology, thermal insulation and waste heat-related technology, etc.
- Energy management: Small-scale distributed power technology, smart house-related technology, etc.

(2) Contribute to eco-conscious and smart travel and transport

"Panasonic will contribute to achieving smooth travel and transport through a storage battery system and IT solutions."

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- Next-generation storage battery technology for eco-cars, next-generation logistics- and transport-related technology, etc.

2. Panasonic will promote businesses aiming for a sustainable society

[Efforts]

(1) Promote effective utilization of resources

"Panasonic will aim for sustainable use of resources through the reuse of parts and materials and product recycling."

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Recycling technology, etc.

(2) Promote creation of factories with zero CO₂ emissions

"Panasonic will utilize its own environmental technologies and products and reduce CO₂ emissions from its factories."

- Shift to LED lightings (To be completed by the end of March 2019 for LED-ready locations)
- Install photovoltaic power generation systems (To be completed by the end of March 2021 for PV-ready locations)

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- Smart manufacturing, energy-saving technologies, FEMS technology, etc.

About Panasonic

Panasonic Corporation is a worldwide leader in the development of diverse electronics technologies and solutions for customers in the consumer electronics, housing, automotive, and B2B businesses. Celebrating its 100th anniversary in 2018, the company has expanded globally and now operates 495 subsidiaries and 91 associated companies worldwide, recording consolidated net sales of 7.343 trillion yen for the year ended March 31, 2017. Committed to pursuing new value through innovation across divisional lines, the company uses its technologies to create a better life and a better world for its customers. To learn more about Panasonic:

<http://www.panasonic.com/global>

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