

n recent years, companies have come under

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society to help ensure a sustainable future. In the past, many found it difficult to reconcile efforts to protect the environment with the need to achieve profitability. But Daiwa House Industry Co., Ltd. has shown that it can be done and has proven that sustainability can be good for business. Daiwa House Industry is Japan's largest general housing manufacturer and real estate developer,

increasing pressure from consumers and



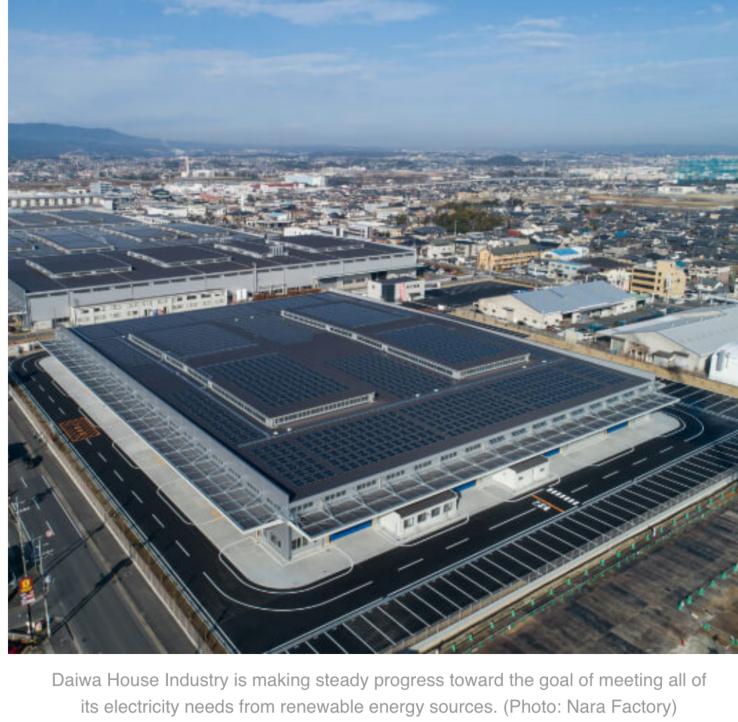
Industry before?

Have you heard of Daiwa House

anticipating sales of 4 trillion yen in fiscal 2020. On the way to achieving this goal, it has pursued environmental sustainability by refining the technologies it uses to build more energy-efficient houses, buildings and towns. Carbon neutrality is a goal shared by the entire world, and the environmentally conservative technologies

their effectiveness. In addition, Japanese companies have a proven track record of working closely with local communities to overcome a variety of difficult challenges.

developed by Daiwa House Industry and other Japanese companies have received global attention for







weak electricity grid infrastructure.

Daiwa House Industry is working to develop more compact and affordable net-zero

energy building (ZEB) power supply systems for use overseas and in regions with

Net-zero energy houses (ZEH) are designed to produce as much energy as they consume. To expand its business in this area, Daiwa House Industry developed smart homes that achieve net-zero energy balance

(ZET) in four locations across Japan. At SMA Eco

Town Harumidai, completed in 2013, all units are

to visualize and optimize energy consumption to

ensure net-zero energy use across the entire town.

equipped with Home Energy Management Systems,

and a specially developed SMA x ECO Cloud is used

Home Energy Management System that provides fully optimized energy consumption control. Daiwa House Industry is also applying the same technology on a larger scale to net-zero energy buildings (ZEB). In 2018, it completed the Daiwa House Saga Building—Japan's first energy self-sufficient office building—in a pilot project to demonstrate the feasibility of operating buildings on solar power alone, independent of the local power grid. This resilient facility utilizes solar power generation and lithium-ion

with a combination of solar photovoltaic power and lithium-ion battery storage, aided by a proprietary

storage batteries, as well as state-of-the-art environmental equipment such as an air conditioning system that uses groundwater and solar heat to help save energy. The technologies developed for single-family houses and commercial buildings are also being applied to Has your interest in ZEH, ZEB, large-scale urban development projects, and the ZET and other environmentally company has already created net-zero energy towns



friendly construction and urban development technologies been stimulated by this article? YES NO

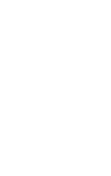


Future towns emerging in the suburbs



In recent years, Japan has begun to look at regional and suburban sites for the construction of logistics

In response to this trend, Daiwa House Industry is Would you like to know more about Daiwa House Industry's promoting low environmental impact development in efforts to realize a carbonrural and suburban areas based on a new "Ko 'Re'



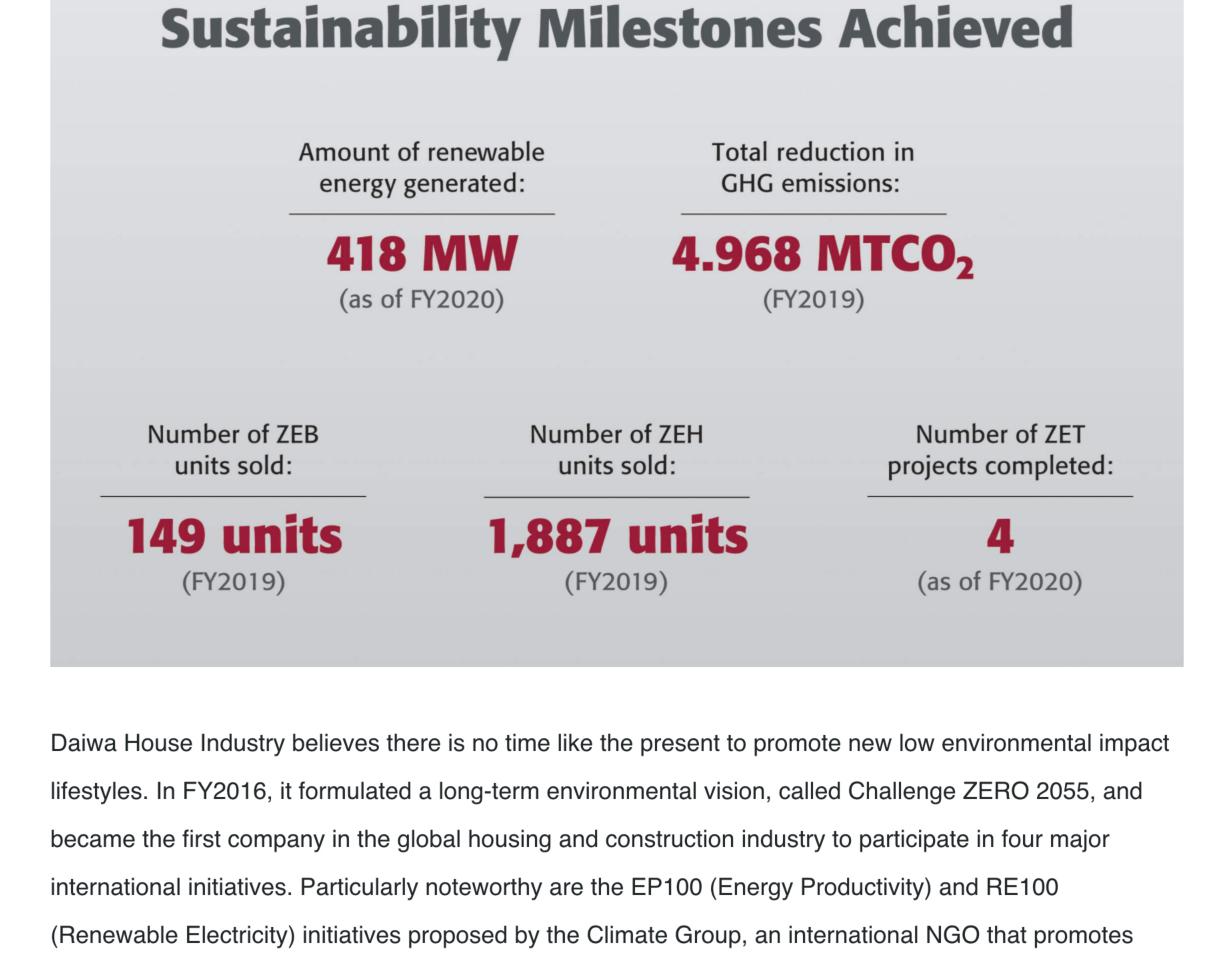
YES NO

centers, data centers and other facilities.

neutral society?

name stands for "Reality, Renewable Energy and Resilience," and reflects the many technologies the company has developed for sustainable urban development, as well as the fact that energy self-sufficient homes can not only accelerate the development of carbon-neutral towns but can also make those towns more resilient to natural disasters. With the COVID-19 pandemic dramatically changing the way people live and work, the company believes that this type of project will play an increasingly important role in the future.

Kara City" concept. The 'Re' element in the project



decarbonization to help achieve the goals of the Paris Agreement on climate change. The EP100 initiative aims to double the energy efficiency of companies through technological improvements, while the RE100 initiative seeks to ensure that 100% of electricity is produced from renewable energy sources. In line with these goals, Daiwa House Industry is continuing to develop energy-saving technologies to help achieve carbon neutrality and, at the same time, it is working to meet more of its own energy needs with power from renewable sources. Currently, the company obtains approximately 418 megawatts of electricity from solar, wind and hydro power at 372 locations across Japan, and it has drawn up a roadmap that will allow it to obtain all of its electricity from renewable sources by 2040.

technologies, Daiwa House Industry has stated that it intends to grow its business to 10 trillion yen by 2055 when it will celebrate the 100th anniversary of the company's founding. It has also pledged to protect the environment and fulfill its responsibility to society on a scale commensurate with its global reach, and to work with partners everywhere to create a better world.

With increased investment in environmentally friendly



NO

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Daiwa House Industry after

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YES

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