



Takeda Breaks Ground on its First Zero Energy Building in Singapore

- *First ‘Zero Carbon Emissions’ Building and First to Follow the Singapore Green Mark Zero Energy Building (ZEB) Scheme in Takeda’s Global Manufacturing Network*
- *\$14 million USD Expansion First of its Kind in Biotechnology Industry in Singapore*
- *Takeda is Committed to Achieving Net Zero Carbon Emissions in its Own Operations by 2040, in Line With Singapore Government’s CO2 Emissions Target*

Singapore, September 23, 2021 – Takeda Pharmaceutical Company Limited

([TSE:4502/NYSE:TAK](#)) (“Takeda”) announced today the official groundbreaking of its first building to follow the Singapore Green Mark Zero Energy certification scheme within the company’s global manufacturing and supply network in Woodlands, Singapore. The building, a \$14 million USD expansion of Takeda’s manufacturing operations in Singapore, is the first ‘net zero carbon emissions’ building in its global network and a first-of-its-kind investment within the biotechnology industry in Singapore.

A delegation of Takeda’s global executive team welcomed the attendance of Mr. Gan Kim Yong, Singapore’s Minister for Trade and Industry (MTI), His Excellency Jun Yamazaki, the Japanese Ambassador to Singapore, Mr. Tan Kong Hwee, Executive Vice President of the Singapore Economic Development Board (EDB), Mr. Alvin Tan, Assistant CEO of Industry Cluster Group of JTC, and other partners and guests to the groundbreaking ceremony.

“The groundbreaking of our first zero energy building demonstrates Takeda’s commitment to deliver on our environmental goals,” said Thomas Wozniowski, global manufacturing and supply officer of Takeda. “Takeda achieved carbon neutrality in 2020, now we are focused on our next step to become net zero by 2040. We are honored to have the opportunity to work with our partners in the region and to support the Singapore government’s efforts in tackling climate change.”

“Singapore is an important hub for Takeda. In addition to serving as our regional headquarters, our Asia Pacific Area Office is also based here. We are excited to celebrate this momentous groundbreaking event, as this milestone is a remarkable testimonial to the strides Singapore has made to ensure a safe and sustainable environment for our employees, patients and partners,” said Ricardo Marek, president, Growth and Emerging Markets Business Unit, Takeda. “Singapore will continue to play an essential role in our objective to increase patient access to Takeda’s life-changing treatments across the region, and to promote sustainable growth of our business and people, all while helping to play a role in safeguarding our planet.”

Located next to Takeda’s biologics manufacturing plant in JTC’s Woodlands Wafer Fab Park, Takeda’s new zero energy building is planned for occupancy by 2022. The building follows standards from the Singapore Building Construction Authority’s (BCA) Green Mark (GM) certification scheme and sets the bar for green energy design. The GM scheme is an internationally recognized green building rating tool tailored for the tropical climate to evaluate a building’s environmental impact and performance throughout its lifecycle, and is aligned with the United Nations’ Sustainable Development Goals. The approval processes includes the design, piling, construction, occupation and completion phases. The 60-hectare Woodlands Wafer Fab Park caters to the stringent operating requirements of global semiconductor and biomedical firms.

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“Takeda’s new zero emissions building in Woodlands Wafer Fab Park is an environmentally sustainable advanced manufacturing support facility that complements our efforts in greening Singapore’s industrial estates,” said Mr. Cheong Wee Lee, director, Biomedical and Electronics Cluster, JTC. “Such close partnerships with companies are critical to our success in reducing Singapore’s carbon footprint and creating a conducive work environment.”

To achieve the zero energy building status, comprehensive energy studies were conducted to consider Singapore’s tropical, very hot and humid equatorial climate. The project includes over 660 solar photo voltaic (PV) panels to fully offset the building’s energy consumption, CO2 sensors to regulate fresh air demand, a hybrid AC system with assistance of ceiling fans and thermal diffusers to optimize energy usage and improve air circulation and air flow to ensure user well-being. Additionally, the building also utilizes rainwater harvesting and the use of green concrete.

As a science-based company, Takeda is committed to preserving and protecting the health of the planet. This groundbreaking is an important step in Takeda’s sustainability efforts, rooted in the company’s purpose of creating better health for patients and a brighter future for the world. To learn more about Takeda’s commitment to the planet, please visit: <https://www.takeda.com/corporate-responsibility/environment/>

About Takeda Pharmaceutical Company Limited

Takeda Pharmaceutical Company Limited ([TSE: 4502/NYSE: TAK](#)) is a global, values-based, R&D-driven biopharmaceutical leader headquartered in Japan, committed to discover and deliver life-transforming treatments, guided by our commitment to patients, our people and the planet. Takeda focuses its R&D efforts on four therapeutic areas: Oncology, Rare Genetics and Hematology, Neuroscience, and Gastroenterology (GI). We also make targeted R&D investments in Plasma-Derived Therapies and Vaccines. We are focusing on developing highly innovative medicines that contribute to making a difference in people’s lives by advancing the frontier of new treatment options and leveraging our enhanced collaborative R&D engine and capabilities to create a robust, modality-diverse pipeline. Our employees are committed to improving quality of life for patients and to working with our partners in health care in approximately 80 countries and regions. For more information, visit <https://www.takeda.com>.

Media Contacts:

Media in Singapore

Vince Docherty

Vince.docherty@takeda.com

+65 8332-4233

Wendy Chung

Wendy.chung@takeda.com

+65 8321-5611

Japanese Media

Ryoko Matsumoto

ryoko.matsumoto@takeda.com

+81 (0) 3-3278-3414

Media Outside Japan and Singapore

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Christina Beckerman
christina.beckerman@takeda.com
+1 781-482-0831

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The companies in which Takeda directly and indirectly owns investments are separate entities. In this press release, “Takeda” is sometimes used for convenience where references are made to Takeda and its subsidiaries in general. Likewise, the words “we”, “us” and “our” are also used to refer to subsidiaries in general or to those who work for them. These expressions are also used where no useful purpose is served by identifying the particular company or companies.

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