

PepsiCo takes thermosolar technology to its production in Feira de Santana, Bahia

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Company will reduce emissions of 460 tons of GHGs per year with the investment

PepsiCo, driven by its ESG strategy which it globally calls PepsiCo Positive (pep+), an end-to-end transformation of the business, with a special focus on people and the planet, is investing towards its goals of reducing emissions of greenhouse gases (GHGs) and reaching Net-zero by 2040. With this objective in mind, the company is installing a solar thermal power plant at its manufacturing plant in Feira de Santana, Bahia, where it produces TODDYNHO® and TODDY®. The initiative **will save more than 230,000 m³ of natural gas per year**, operating from April 2023. With this, PepsiCo **will stop emitting 460 tons of CO₂ per year**, equivalent to planting about 80 thousand trees*.

“PepsiCo Brasil is increasing investments in clean and renewable energies, so that we can reach Net-zero in 2040. With this plant in Feira de Santana, we are advancing in the journey of decarbonizing our operation, and now with an innovation in the line of a product so dear to Brazilians that it is TODDYNHO®”, said **Alexandre Carreteiro, president of PepsiCo Brasil Alimentos**. “In this project, after capturing solar energy by the plates, it is converted into thermal energy, which will be used directly to heat the liquid in the TODDYNHO® preparation to 90°C, which is a breakthrough in the Brazilian food industry”, completed.

Installation will take place in January 2023, with start-up scheduled for April 2023. The plant will generate around **3 kWh/m²/day** on average in an area of 2 thousand square meters of slabs on the roof of the factory.

Clean energy

PepsiCo has already invested in solar thermal technology, through a plant in its salty snacks operation, in Sete Lagoas - MG, since the beginning of 2022. The solar thermal plant uses solar panels to capture energy, which is reverted into thermal energy to the water heating. The plant is made with flat solar panels and works automatically, without supervision and without the need for cleaning. Through technology, it was possible to reduce the consumption of natural gas at the Sete Lagoas unit by 140,000 cubic meters - and reduce GHG emissions by almost 280,000 kg. This number is equivalent to planting almost 48,000 trees*.

*considering the useful life of a solar field estimated at 25 years.

“Thermal energy is an important advance for the industry in the search for clean energy matrices and the reduction of GHG emissions. Thermal solar energy is carbon-free and an alternative that also ends up being cheaper than that generated by liquid fuels”, highlighted **Bruno Guerreiro, sustainability manager at PepsiCo Brasil**. According to the executive, the solution should be implemented in other plants of the company in Brazil in the coming years, with even larger areas of solar panels.



PepsiCo's partner supplier for the installation of thermosolar plants at the Feira de Santana and Sete Lagoas plants is [TVP Solar](#), a Swiss company specialized in thermosolar technology with state-of-the-art solutions, with high vacuum solar thermal collectors and without mirrors, based on a patented technology.

To learn more about PepsiCo Positive's agenda, [visit our page](#) .

About PepsiCo

PepsiCo products are enjoyed by consumers more than one billion times a day in more than 200 countries and territories around the world. PepsiCo generated more than \$79 billion in net revenue in 2021, driven by a complementary food and beverage portfolio that, in Brazil, includes PEPSI®, GATORADE®, QUAKER®, LAY'S®, DORITOS®, RUFFLES®, CHEETOS® , KERO COCO®, H2OH!®, TODDY® among others. PepsiCo's product portfolio features a broad range of foods and beverages for a variety of consumption occasions, including several iconic brands that generate more than \$1 billion each in estimated annual retail sales.

PepsiCo is guided by the vision of Being the Global Leader in Convenient Food and Beverage by Winning with PepsiCo Positive (pep+). pep+ is an end-to-end transformation strategy that puts sustainability at the heart of how PepsiCo creates value and grows by operating within the planet's boundaries and inspiring positive change for the environment and people. For more information, visit www.pepsico.com.br and follow us on [Twitter](#) , [Instagram](#) , [Facebook](#) and [LinkedIn](#) .

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