



**CP FOODS  
SUSTAINABILITY  
NEWSLETTER**



**SUSTAINABLE  
GROWTH**

Volume 7, May 2025



# CPF NET ZERO 2050

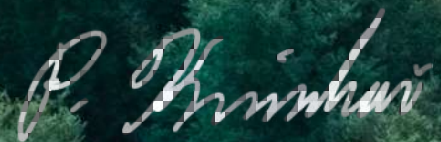
We are delighted to inform you of our progress on the Journey to Net-zero by 2050. In 2024, we led the world by implementing SAP Sustainability Solution across all our operations in Thailand which had more than 35% of CPF's worldwide revenue and 45% of total emissions. It was the first time that real-time monitoring and data management of our environmental footprint became available and led the way towards data-driven organization.

“...We continue to use technology and innovation to drive sustainable growth.”

Notably, our digital dashboard reveals a few achievements in 2024: a 16% reduction in greenhouse gas emissions from our Thailand operations compared to our 2020 baseline, while achieving an 11% increase in product outputs. This significant decoupling was enabled by combining smart technologies, modern engineering, and renewable energy, which currently accounts for 33% of our energy consumption.

Furthermore, the SAP traceability system allows us to track back to the plantation plots of our key raw materials, ensuring that our products do not contribute to deforestation or forest degradation worldwide and aiming to achieve 30.3% FLAG scope 3 emissions. This progress aligns with global decarbonization efforts under the Paris Agreement and supports our broader commitment to Net-Zero by 2050.

This progress affirms that we are on the right track towards lowering GHG emissions as promised and at the same time producing food that is good for health and good for the heart. We continue to use technology and innovation to drive sustainable growth, ensuring our value chain contributes positively to make the world better for the next generation.



**Mr. Peerapong Krinchai**  
Executive Vice President  
Corporate Engineering







## Accelerating with Confidence Towards Our 2024 SBTi Goals

In 2024, we are proud to stay fully aligned with our SBTi commitments.

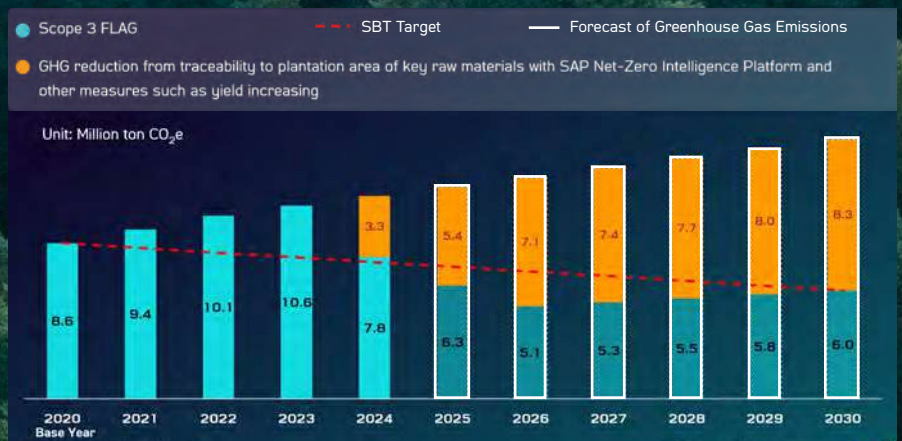
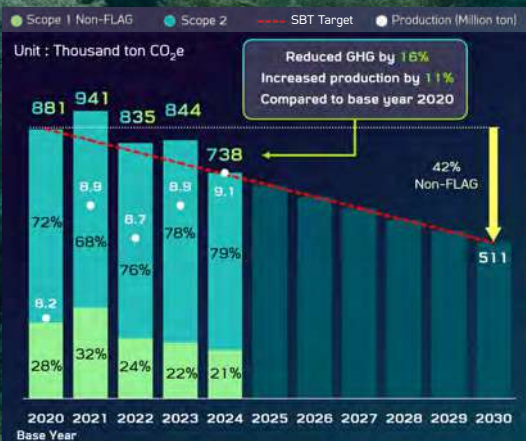
For **Scope 1** and **Scope 2** emissions,

we have successfully achieved a 16% reduction in greenhouse gas emissions from our Thailand operations compared to the 2020 baseline, while delivering an impressive 11% growth in product output. This clearly shows that our pursuit of sustainability goes hand in hand with strong business performance.

For **Scope 3**

FLAG (Forest, Land, and Agriculture Guidance) emissions, while we are currently slightly behind the SBTi trajectory, we are moving swiftly and decisively. With the actions already underway, we are fully confident in our ability to accelerate progress and achieve our 2030 targets.

Looking ahead, we remain committed to pushing the boundaries of innovation and sustainability to create a better future for the next generation.



\* The SAP system provides real-time data reporting. Therefore, data after 2025 will be forecasted.

# CPF's Journey Towards Setting Net-Zero SBT Targets



## CP Foods' 2024 Sustainability Milestones on the Road to Net-Zero

In 2024, Charoen Pokphand Foods (CP Foods) successfully accelerated its sustainability journey towards Net-Zero greenhouse gas (GHG) emissions by 2050, aligning closely with EU climate objectives and customer preferences.

### Our Progress as of 2024 Performance:

#### Renewable Energy and GHG Emissions Reduction

In 2024, CP Foods significantly reduced its global GHG emissions by 710,000 tonnes CO<sub>2</sub>e, largely due to renewable energy now making up 33% of total energy consumption—equivalent to installing 980 MW of solar capacity. CP Foods remains entirely coal-free in its operations in Thailand and Vietnam since 2022, primarily relying on biomass, solar, and biogas.







## Smart Technologies and Energy Efficiency

CP Foods enhanced energy efficiency through its innovative "Smart Feedmill" system, harnessing AI-driven Machine-to-Machine technology, achieving a notable 23% reduction in energy use per ton of feed produced. Additionally, These cutting-edge solutions like Building Information Modeling (BIM), which creates digital representations of facilities for precise planning and construction; Digital Twins, providing virtual simulations for efficient building management; and Augmented Reality (AR)/Virtual Reality (VR) audits that allow for thorough and detailed inspections, enhancing building performance and reducing energy consumption, leading to an annual GHG reduction of over 6,000 tonnes CO<sub>2</sub>e, significantly enhancing operational efficiency.



## Sustainable Sourcing

CP Foods achieved 100% zero-deforestation animal feed corn sourcing and 100% FSC-certified food packaging in Thailand, demonstrating its commitment to responsible sourcing.



## Circular Economy

CP Foods also embraced circular economy practices by converting plastic waste into Refuse-Derived Fuel (RDF), cutting emissions by 2.4 tonnes CO<sub>2</sub>e per ton of waste processed. Moreover, CP Foods improved packaging sustainability, with 85% of its food packaging now recyclable.



## Low-Carbon Products

As part of its commitment to low-carbon offerings, CP Foods certified 88 products with the Carbon Footprint Reduction Label, while 890 products earned the Carbon Footprint Label from Thailand's Greenhouse Gas Management Organization (TGO).

Additionally, CP Foods' key products performed impressively in GHG reductions as below.



**50%**  
below average  
Fresh  
Chicken Meat



**13%**  
below average  
Fresh Pork



**30%**  
below average  
Chicken Eggs



**47%**  
below average  
Alternative  
Protein Nuggets

Remark: Average GHG emissions benchmarked against Thailand's industry average OR CPF base-year performance. For plant-based nugget, Comparison with similar product categories in the industry regarding no comparative product in Thailand.

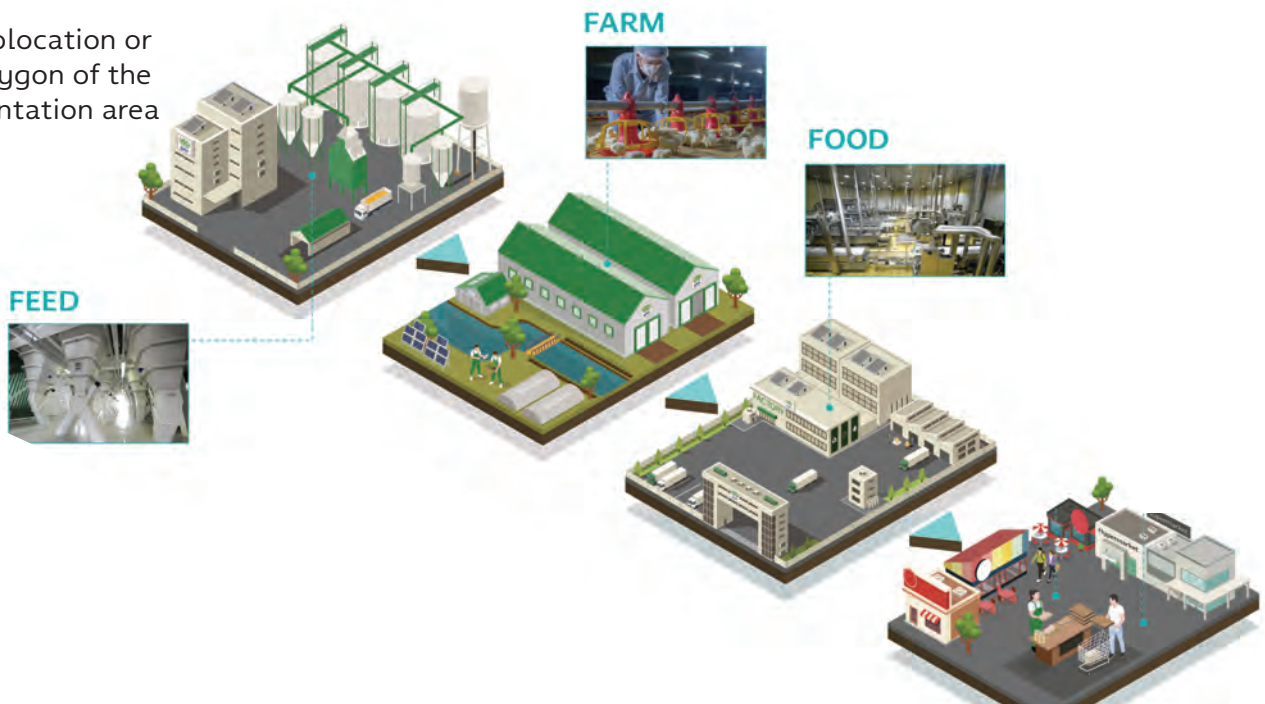




## Transparency and Traceability

CP Foods became the world's first food-processing company with FLAG targets validated by the Science Based Targets initiative (SBTi). Its innovative Net-Zero Intelligence Platform ensures real-time tracking and transparency throughout the supply chain.

Geolocation or polygon of the plantation area



## Internal Carbon Pricing in Line with EU CBAM

Understanding the EU Carbon Border Adjustment Mechanism (CBAM), CP Foods has adopted internal carbon pricing practices across all emissions scopes, fostering alignment with EU regulatory standards and sustainable investment.

For more information on our Net-Zero journey, please visit <https://www.cpfworldwide.com/en/sustainability/report>.





# HIGHLIGHT NEWS



## CP Foods and Boehringer Ingelheim Partner to Convert Veterinary Waste into Renewable Energy, Accelerating Net-Zero Goals

CP Foods has partnered with Boehringer Ingelheim Animal Health Thailand to transform veterinary packaging waste from poultry farms into Refuse-Derived Fuel (RDF), a sustainable energy source. This collaboration aims to significantly reduce greenhouse gas emissions, supporting Thailand's transition to a low-carbon society and aligning with CP Foods' Net-Zero 2050 ambition. Boehringer's innovative veterinary packaging, certified by TÜV Rheinland, substantially reduces environmental impacts compared to traditional glass bottles throughout production, transport, and waste management phases. Backed by German-Thai cooperation, the initiative enhances operational efficiency and drives circular economy practices, benefiting animal welfare, food security, and environmental sustainability.



## 'Spicy Bologna' Drives Local Carbon Offset Initiative

Charoen Pokphand Foods (CP Foods) has incorporated its popular "CP Spicy Bologna" into Thailand's carbon offset initiative, aiming to create the country's first Net-Zero food product. Collaborating with the Thailand Greenhouse Gas Management Organization (TGO) and VGREEN, CP Foods is actively reducing emissions throughout production and offsetting any remaining emissions via carbon credits. The company highlights sustainable practices, including renewable energy, responsible sourcing, and waste reduction. CP Foods currently holds carbon certifications for 890 products, including Asia's first carbon-neutral eggs, reflecting its commitment to carbon neutrality by 2030.



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