



CP FOODS SUSTAINABILITY NEWSLETTER



Agri-Tech Advances

CP Foods' Path
to Sustainable
Innovation

AI-generated visual.

Volume 4, September 2024

Executive Greeting

Dear Colleagues and Partners

As global food demand rises and environmental regulations become more stringent, CP Foods is establishing a new standard in sustainability. We are proud to be the first food processing company in the world to have our FLAG 2030 and 2050 Net-Zero Science-Based Targets approved by the SBTi. This milestone reflects our commitment to innovation, as we lead the way in transforming into an Agri-tech pioneer through the application of smart technology.

As an Agri-tech company, our strategy is built on four critical pillars: leveraging digital traceability to guarantee food safety and deforestation-free operations, harnessing the power of the sustainability digital platform for data-driven decision-making, enhancing operational efficiency through cutting-edge AI, IoT, and automation technologies, and embracing clean energy to ensure sustainable production.

At CPF Corporate Engineering, we are steadfast in our commitment to these initiatives, ensuring that we not only meet but exceed our sustainability promises, paving the way for a resilient and sustainable future.



Peerapong Krinchai,
Head of Corporate
Engineering at CP Foods



CP Foods Enhances End-to-End Sustainability with Digital Technology

CP Foods has implemented cutting-edge digital technology to achieve comprehensive end-to-end traceability across its entire supply chain, significantly advancing its sustainability efforts. By utilizing SAP's Environmental Management (EM), Sustainability Footprint Management (SFM), Sustainability Control Tower (SCT), and Sustainability Analytic Cloud (SAC), CP Foods can monitor every stage of production—from sourcing raw materials to delivering the final product to consumers worldwide.

This end-to-end traceability allows CP Foods to accurately track the origin and journey of all materials used, ensuring complete transparency and accountability throughout the process. "The ability to monitor and report environmental data across the supply chain will subsequently enable the company to automatically calculate the carbon footprint of each product and manage environmental impacts effectively in the future."

By adopting this advanced technology, CP Foods not only meets the increasing demand for transparency but also enhances its ability to comply with global trade regulations. This comprehensive approach supports more informed decision-making, reduces operational inefficiencies, and ensures accurate reporting of environmental performance. CP Foods' commitment to sustainability and its goal of achieving Net-Zero by 2050 solidify its position as a leader in the agribusiness and food industry.



Smart Sourcing For Farm App Tackles Crop Burning and PM2.5 Pollution

Bangkok Produce PLC (BKP), a subsidiary of CP Foods responsible for handling raw material sourcing, has developed the "For Farm" app to help Thai farmers improve crop cultivation. The app provides vital information, including weather updates, guidance on practices, and pest control.

It also allows farmers to register in a traceability system for selling corn. This registration enables CP Foods to trace the corn back to the area where it was farmed in Thailand, ensuring that it is sourced legally from non-deforestation areas.

วัดที่ดินง่ายๆด้วย ฟ.ฟาร์ม
จะปลูก-ไถ-เกี่ยว ก็แอปเดียวจบ!

5 ไร่ 2 งาน 76 ตารางวา
นครราชสีมา อ.ปักธงชัย ต.โคก...

X : 102.096916 Y : 14.7198

80.55 ม.
45.53 ม.
133.18 ม.
58.28 ม.
36.54 ม.
41.91 ม.

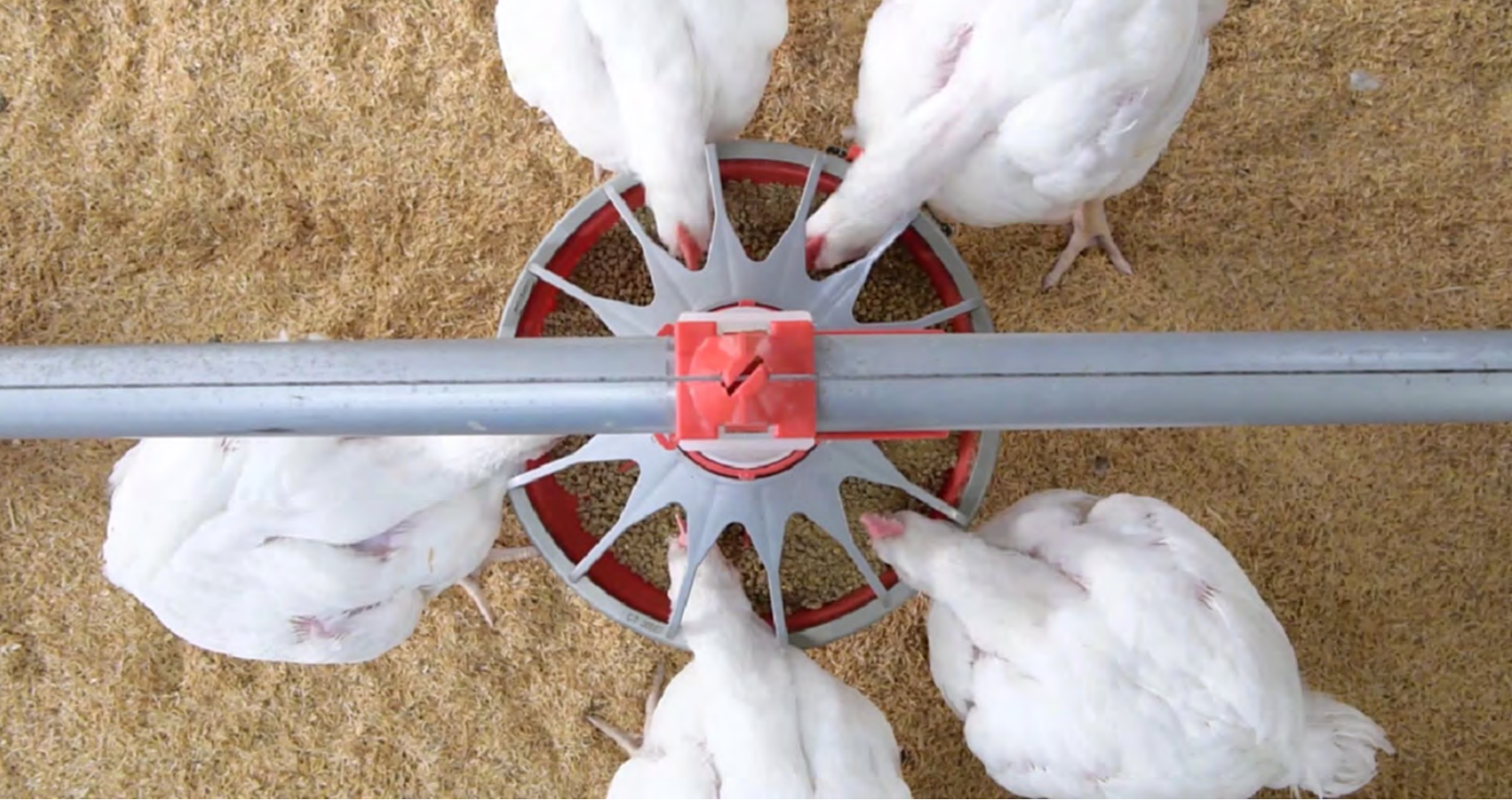
ลบ ย้อน แก้ไข ถัดไป

ฟ.ฟาร์ม
ยกระดับชีวิต ผู้ผลิตเกษตร

ดาวน์โหลดฟรี!
ฟ.ฟาร์ม

GET IT ON
Google Play

Bangkok Produce Company's "For Farm" app empowers farmers by providing tools to enhance cultivation practices and supports sustainability through a corn traceability system that prevents deforestation. The app also enables farmers to report cornfield burning incidents directly to CP Foods, allowing the company to take prompt and effective action to protect the environment.



Smart Production

CP Foods' Smart Farming: Harnessing Automation and AI for Sustainable Chicken Production

CP Foods is strengthening its commitment to sustainable agriculture by integrating advanced technology into its smart farming practices. Automation systems manage feeding, watering, and climate control, optimizing growth conditions for chickens while minimizing resource waste. The use of AI and IoT in poultry farming has also improved biosecurity and resource management. Through its Green Farm initiative, CP Foods emphasizes environmental stewardship.

At "Ban That" Farm in Saraburi province, Thailand, CP Foods has launched a pilot project that sets a new standard for smart, eco-friendly farming practices. The farm employs green construction materials and converts waste into energy, working towards a Zero Discharge model. Additionally, the "Forest in a Farm" project reflects CP Foods' dedication to expanding green spaces, benefiting both the environment and the local community.





Accelerating Sustainable Practices with Green Buildings, RE100 Farms, and Electric Trucks

CP Foods is leading the way in sustainability with the construction of five pilot green buildings across the country, including office buildings and processing plants. These structures are designed with sustainable materials, energy-efficient systems, and low GWP refrigerants, aiming to reduce over 6,000 tons of greenhouse gases and cut electricity costs by 15%. The initiative aligns with Thailand's Rating of Energy and Environmental Sustainability (TREES) standards, which will be applied to the rest of CP Foods' building in the future. Collaborations, such as with Siam Cement Group (SCG) for green concrete, further support the company's goal of building a sustainable, low-carbon future.



In addition, CP Foods has launched the RE100 pilot farm project, striving for 100% reliance on renewable energy. The pilot project includes a biogas system for electricity generation, with plans to add solar power. An advanced Energy Management System (EMS) optimizes energy usage, positioning the farm to become the first RE100 model. CP Foods plans to replicate this success across other layer farms, reinforcing its dedication to renewable energy.



To further enhance sustainability, CP Foods, in partnership with CP Foton, has introduced a pilot project using Foton Aumark iBlue 85 electric trucks to improve transportation efficiency and reduce emissions at its layer farms. By replacing diesel vehicles, this initiative supports CP Foods' net-zero emissions goal, reducing carbon dioxide emissions and promoting sustainable operations.





Smart Farmers

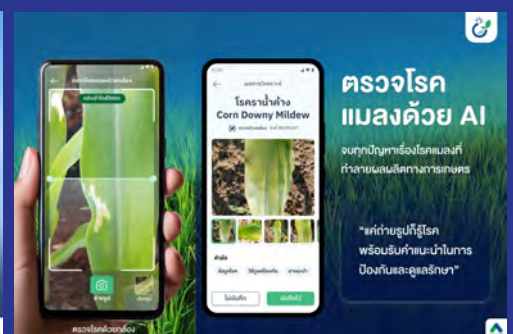
AXONS Revolutionizes Farming with AI Innovations for Thai Farmers

AXONS, a subsidiary of CP Foods, is transforming the agricultural sector with AI technologies designed to empower farmers. By developing solutions that simplify farm management and enhance productivity, AXONS is driving Thai agriculture toward a more intelligent and sustainable future.

The company's flagship applications, FarmPro and FarmOne, are central to this advancement. FarmPro supports farm managers with tools for Contact Farming management, land surveying, and real-time crop monitoring, streamlining operations and improving decision-making.

FarmOne offers features for plot creation, crop planning, and AI-powered disease and pest detection, helping to reduce crop loss and increase yields.

AquaPro is another key innovation, tailored for shrimp farming. It uses AI and IoT technologies to analyze water quality, monitor shrimp growth, and predict market prices, helping farmers manage risks and control costs more effectively. Additionally, Axons Trace employs Blockchain technology to provide product traceability, allowing consumers to verify product origins through QR codes, enhancing trust and adding value.



FarmPro is an all-in-one solution designed to support Thai farmers throughout their entire farming journey. This innovative technology addresses the unique needs of farmers and the agricultural sector by offering tools such as AI-based diagnosis for plant diseases and insect pest management, ensuring healthier crops and more efficient farming practices.

SEE YOU
NEXT ISSUE



Charoen Pokphand Foods
Public Company Limited

313 C.P. Tower, Silom Road, Silom, Bangrak,
Bangkok 10500, Thailand

Tel : +66 2766-8000

Fax : +66 2638-2139

Charoen Pokphand Foods Public Company Limited
www.cpfworldwide.com