

Energy for Sustainable Future



Chattachai Chaiyadhiroj

Senior Expert Engineering and Management
Charoen Pokphand Foods PCL.

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**BUSINESS
AMBITION FOR 1.5°C**



A Message from Our CEO



Mr. Prasit Boondoungprasert

Chief Executive Officer
Charoen Pokphand Foods Public Company Limited



CPF commits to reach Net-Zero greenhouse gas emissions across the value chain by 2050.



GHG Reduction Target against Base Year 2020

Near-term Targets by 2030	42%	30.3%
	from energy usage	from land use change and management

Long-term Targets By 2050	90%	72%
	from energy usage	from land use change and management

Charoen Pokphand Foods
is the first food processing company
in the world

with near- and long-term FLAG SBT validated by
the SBTi in an attempt to limit global warming to
1.5 °C*

*above pre-industrial levels



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

THE NET
ZERO
STANDARD
APPROVED NET-
ZERO TARGETS

BUSINESS
AMBITION FOR
1.5°C



Our Target on 2026 – 2030



Energy is the driving force behind every step of the production chain.



Our goal:



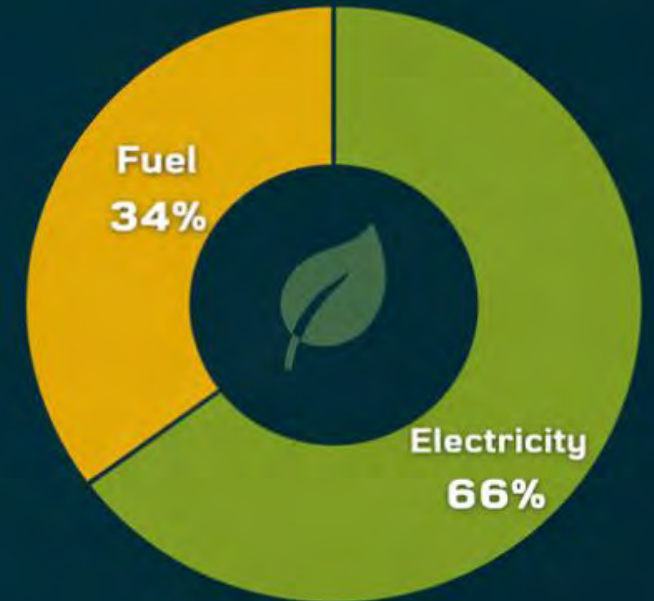
Reduce energy use



Increase clean energy



Apply digital for smart management



Electricity Fuel

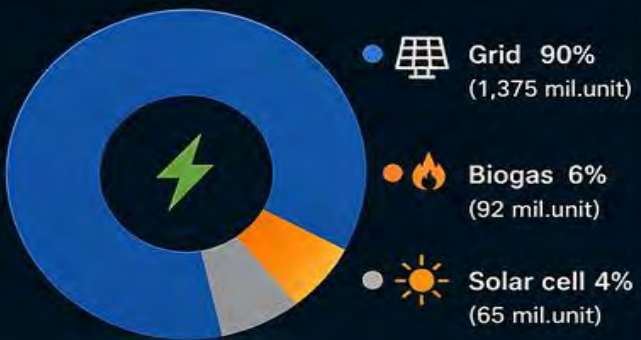


Together, we move forward to achieve our **Net-Zero** target by **2050**.

ELECTRICITY CONSUMPTION 2025



ELECTRICITY USE IN 2025



TOTAL CONSUMPTION
1,532 mil.unit

ENERGY COST STRUCTURE IN 2025

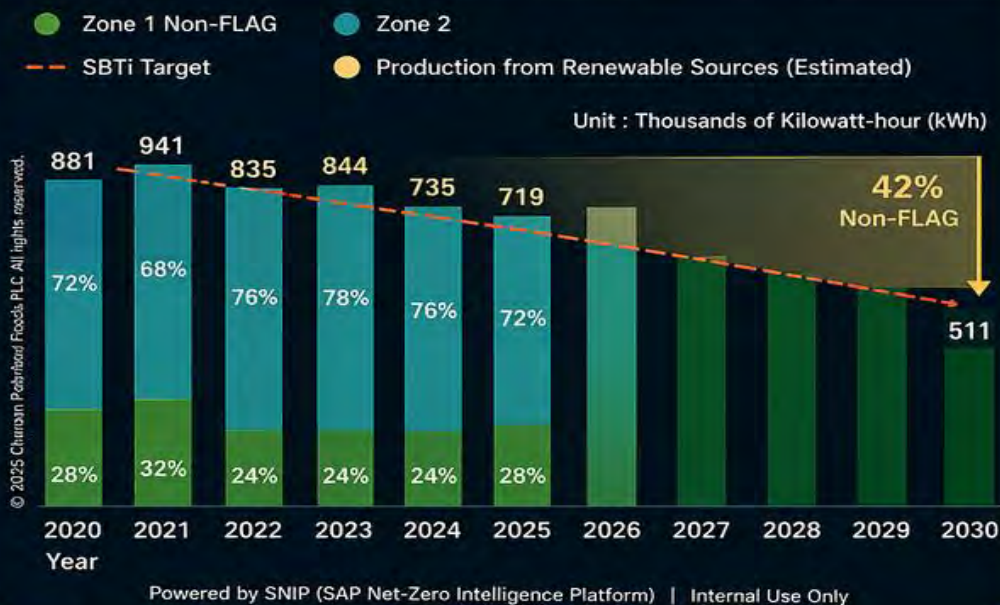


TOTAL COST
5,409 MB

mil.unit
Unit of electricity (kWh)

MB
Unit of cost (Thai Baht)

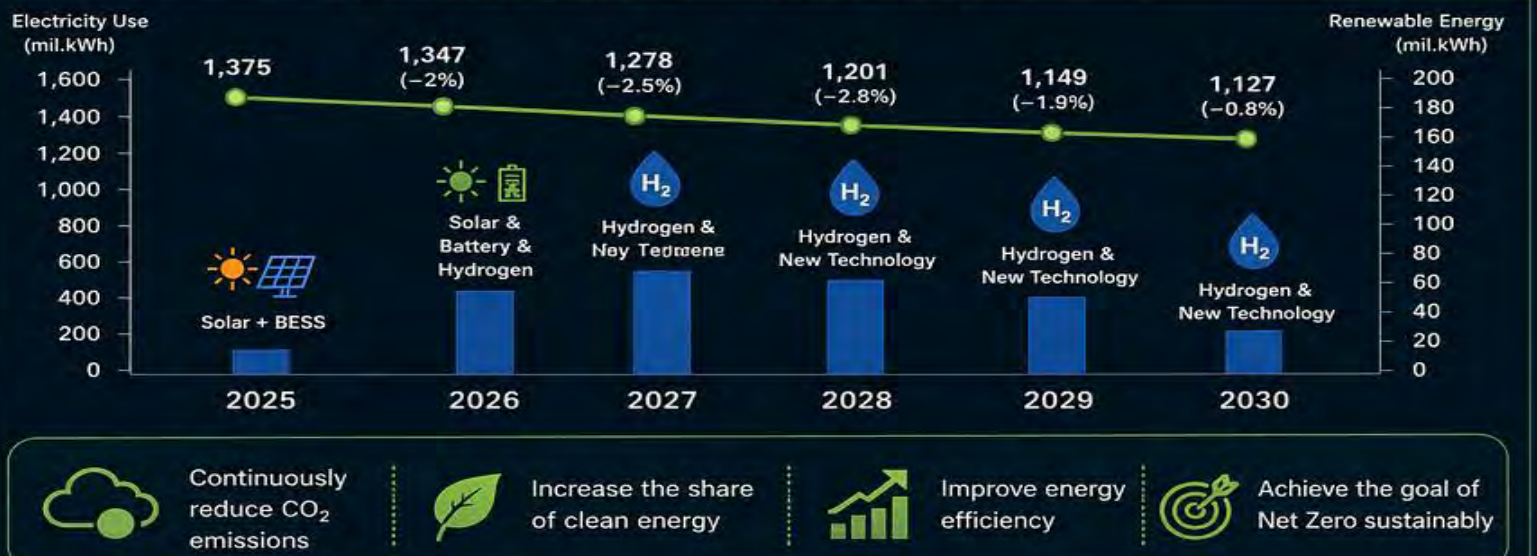
ELECTRICITY USAGE TREND (2020-2030)



TARGET ZERO CARBON POLICY



CO₂ REDUCTION PLAN (2025-2030)





CPF SOLAR SYSTEM PROJECT



100 MW
(2025)

16 MW
23 location

28.3 MW
43 location

71.7 MW
163 location

78.5 MW

101.8 MW
335 location

SOLAR TRUST SOCIETY

Phase 1 : 16 MW
(60-62)
23 Location

KP Greenery

Phase 2 : 8.6 MW
(62-64)
6 Location

GULF

Gulf : 3.7 MW
(63-67)
14 Location

CHOW ENERGY

Phase 3 : 17.5 MW
(65-67)
45 Location

ALTE RVIM

Phase 4 : 29.6 MW
(66-68)
93 Location

ALTE RVIM
Phase 5 : 26 MW
(68-69)
150 Location

2017

2019

2021

2023

2025



POC : 100% RENEWABLE FARM

LOCATION : CHANTABURI COMPLEX FARM



1. SOLAR ROOFTOP



2. RE100 CERTIFICATE

80%

BIOGAS



Gen 550 kW, 370 kW



360 kWp

10%

SOLAR

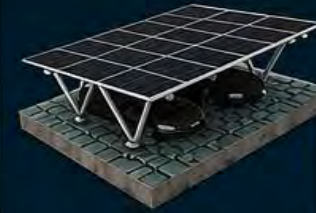


10%



2026 PROJECT

SOLAR SYSTEM AND BATTERY



SOLAR
12 MWp



BESS
15 MWh

PPA TYPE



29 sites



Cost saving
9 MB per yr.



CO₂ reduction
5,200
TonCO₂ per yr.

POC HYDROGEN ELECTROLYZER AND FUEL CELL



Solar cell



Hydrogen Production



PEM, AEM and SOFC



Green Hydrogen POC

BENEFIT



COST SAVING

→ Reduce production cost
from Energy Consumption



ZERO CARBON

→ Reduce trade war barrier
to increase opportunity
to sell goods



Technology Partnerships



Bloomenergy®



Chula
Chulalongkorn University



AIRBUS

