

Carrier Air Conditioning (Thailand) Co., Ltd. Site Report Information

Address: 144/9 Moo 5 Bangkadi Industrial Park, Tivanon Rd., Muang, Pathumthai 12000

Lot area: 54,132 m², Building area: 39,631 m², Green ratio: 31.32%

Establishment: January 9, 1989, Employee : 1,824 persons (as of June 2026)

Major products: Air conditioners

ISO 14001:2015 certified: Latest update: January, 28th 2026
(Certificate number: EMS18012/471)



Message from Environmental Preservation Chief

Since its establishment in 1989, Carrier Air Conditioning (Thailand) Co.,Ltd has believed Corporate Social Responsibility (CSR) is a management matter of the utmost importance, and recognized protection of environment is one of key areas of CSR. As a developer and manufacturer of air-conditioning system, CTC continues to make its best efforts for low carbon environment through promoting environmental management, providing environmentally conscious products, reducing environmental impact through business activities, implementing to sustainable and continual improvement.



Mr. Wasan Sontipermpoon
Managing Director

Major environmental activities in 2025

Energy saving projects



Project: Replace air conditioner compressors in Building A (4 sets).

Energy savings: 631,773 kWh/year,

Cost savings: 2,647,130 baht/year.



Project: Replace FRP Cooling Tower fan blades (2 sets).

Energy saving: 12,086 kWh/year.

Cost saving: 64,056.03 THB/year

Development of products and environmental technologies from environmental consideration point

Environmentally responsible

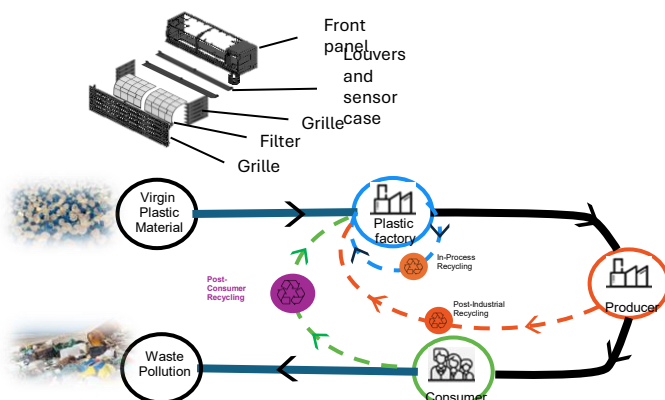
- PEFC woods (Programme for the Endorsement of Forest Certification) from controlled forest, is used for the wooden grill on the IDU.
- PEFC mark on the wooden indoor unit nameplate
- Carton box produced from responsible sources FSC paper (Forest Stewardship Council)



Recycled plastic

IDU utilizes up to **43%** of recycled plastic

- Reduce consumption of new fossil material and virgin plastic
- Use post consumer recycling plastic



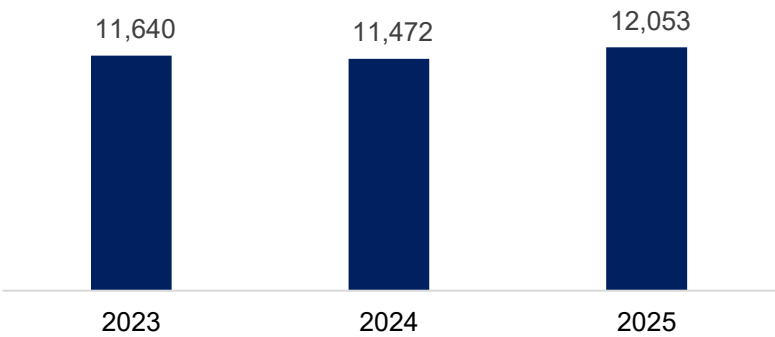


Environmental target in 2025-2027

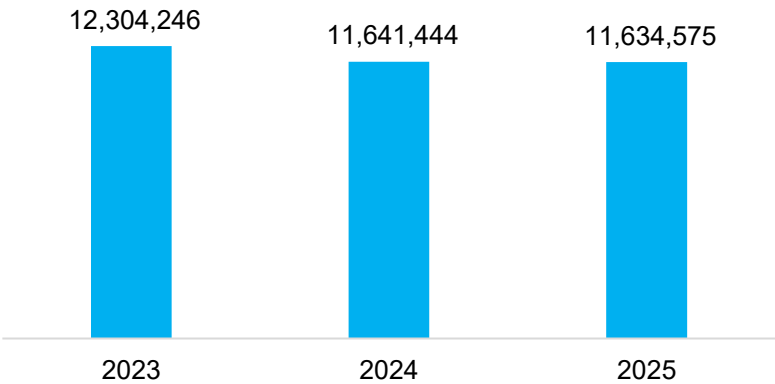
Items	2025	2026	2027
1. Greenhouse gas (ton-CO ₂)	<13,712	<12,097	<11,855
2. Water (gallon)	<13,086,122	<11,729,316	<11,612,082
3. Total waste (ton)	<3,559,434	<3,204,749	<3,172,702

Environmental load data

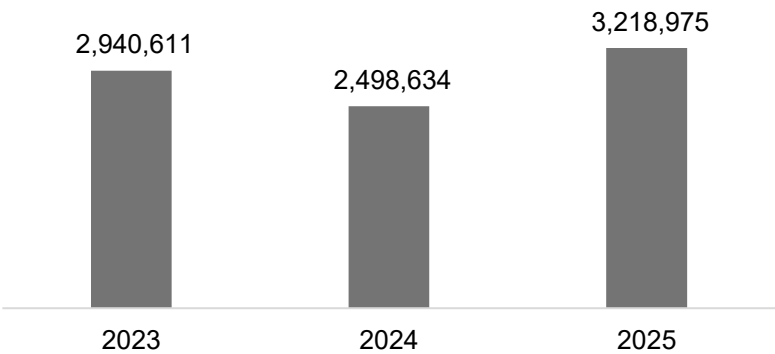
Energy consumption (t-CO2)



Water consumption (gallon)



Waste consumption (kg)



Compliance management

Stack measurement results (brazing process: LPG gas)

Monitoring date: Jun-Jul 2025

	Regulation value	Actual measurement	Measurement frequency
NOx (ppm)	≤ 200	<1.06 –1.53	Once a year
CO (ppm)	None	<1.0	Once a year
TSP (mg/Nm3)	≤ 320	<0.5	Once a year

Final wastewater measurement results (major results)

Monitoring date: Jan – Dec 2025

(CTC does not has a treatment facility. CTC wastewater is treated at Bangkadi Central Wastewater Treatment)

	Regulation value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	5-9	7.6 - 8.5	Once/month
BOD (mg/l)	≤ 500	64.6 - 203	Once/month
COD (mg/l)	≤ 750	165-438	Once/month
TSS (mg/l)	≤ 200	70 - 174	Once/month
TDS (mg/l)	≤ 3000	280 - 564	Once/month
Temperature (° C)	≤ 40	28.2 – 32.5	Once/month

Ambient noise & vibration measurement results

Monitoring date: 25-26 Apr 2026

	Location: Time	Regulation value	Actual measurement	Measurement frequency
Noise (dB)	Lot boundary	70	66.7	Once a year
Vibration (dB)	Lot boundary: Day	None	None	None

Other measurement results (Sewage Water Law: Major results)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	None	N/A	N/A	N/A
BOD (mg/l)	None	N/A	N/A	N/A
SS (mg/l)	None	N/A	N/A	N/A

Environmental accidents, administrative advices and complaints

	State
Senior Environmental accident	None
Environmental problem around the factory and in the local area	None
Administrative advice or direction	None
Complaint from neighboring residents	None

Environmental communication

Environmental activities in Pathumthani

- In Coordinated with 5 schools in Pathum Thani to organize environmental education activities, including quizzes and gift, to promote learning and raise environmental awareness among students

Y2024

School name: Wat Cherng Tha, Wat Bangna, Wat Boat, Sulukkana, Wat Thuathong
Date: 6 Nov-4 Dec, 2024

Y2025

School name: Wat Daorung, Wat Chankapor, Wat Baan Prao-Nai, Wat Phoruean, Wat Samakkiyaram
Date: 6 Nov-11 Dec, 2025

School Education Program for Children



EH&S awareness activities for employee

- Arranged EH&S weeks activities called "EH&S talk and quiz"
- Objective: To raise awareness on environment and safety for all employee.
Number of participants: approx. 2,667 employees
Date: October 17-29, 2025



Conservation of Biodiversity

Y2024

- **Spreading seeds** to create more green spaces and restore the environment
- Community name: Khao Yai National Park
Date: December 15, 2024



Y2025

- **Mangrove nursery activities** help grow mangrove trees, make areas greener, and protect nature along the coast
- Number of tree: 400 trees at Mangrove Forest Learning Center, Rayong
- Date: Dec 13, 2025
- Number of participants: 30 employees



Y2026

- Arranged the activity for distributing tree to employee for planting at employees' houses as species (4 species): 1) Drumstick Tree, 2) Queen's Crape Myrtle, 3) Yellow Bells, 4) Golden Dewdrop
- Number of tree: 500 trees
- Date: Jun 12, 2026
- Number of participants: 148 employees

