



The 4th Carbon Neutral Seminar for SMEs in Thailand (Agenda)
(Target Industry: Food & Food-related Industries)

6 -7 August 2025

At Chedi 3 – 4 room, 2nd Floor

At Mida Grande Hotel Dhavaravati, Nakhon Pathom, Thailand

I. General Information and Background:

Climate change has been recognized as a significant threat to Thailand, which was the ninth hardest-hit country by extreme weather events between 1993 and 2012. Despite the efforts made to reduce greenhouse gas (GHG) emissions, the country remains the world's 19th largest emitter of carbon dioxide (CO₂), releasing 327 million tons of carbon dioxide equivalent (CO_{2e}) in 2013. This is evidenced by the Thailand Greenhouse Gas Management Organization Report (2000 – 2010), which breaks down emissions by sector. The energy sector was identified as the largest emitter of GHG, accounting for 69% of Thailand's total emissions, amounting to 80 million tons of CO_{2e} in 2010.

UNIDO has a proven track record in Resource Efficient and Cleaner Production (RECP), and Thailand has experience with eco-industrial town implementations in several industrial estates. By combining this solid expertise from both parties, the industry-urban symbiosis project aims to tackle the previously identified GHG and POPs issues as well as their root causes by applying the industry-urban symbiosis concept and green chemistry technology. Specifically, the project will focus on three provinces, chosen based on their economic structure, to address these environmental challenges.

As of 2023, Thailand ranks as the twelfth largest food exporter globally, with export values totaling 1,255,622.69 million baht and accounting for 12.80 percent of the nation's total export revenue (Source: Department of International Trade Promotion). The industry continues to demonstrate significant growth potential in the international market. A substantial proportion of businesses within Thailand's food sector consist of small and medium-sized enterprises (SMEs), many of which face challenges in securing financial resources and accessing current expertise—particularly regarding greenhouse gas emission reduction practices now emphasized worldwide.

A. OBJECTIVES OF THE SEMINAR

1. To provide participants from food industry with information about the Thai government's policies and measures toward CN, as well as international regulations and systems related to Carbon Neutral (CN),
2. To provide an opportunity for participants to understand the necessity and benefits of taking measures toward CN and equip participants with the knowledge and skills necessary to calculate and assess greenhouse gas (GHG) emissions across their entire supply chain, including their own operations, as an essential initial step toward carbon neutrality.

3. To provide guidance on effective strategies and methodologies for implementing emission reduction measures, such as energy conservation, following the assessment of emissions.

B. EXPECTED OUTPUTS, OUTCOMES AND IMPACT

1. Capacity building on Carbon Neutral and the mechanism to Thai SMEs, particularly food industry and food related industry.
2. Thai private sector implements GHG emission reductions scheme such as applying RECP, low carbon technology in their operation process.

II. **Language Requirement**

The seminar will be conducted in Thai with/Japanese language translation for 100 participants

III. **Seminar organization team**

The organization and implementation of the seminar will be managed by the Department of Industrial Works (DIW), the International Center for Environmental Technology Transfer (ICETT), and the United Nations Industrial Development Organization (UNIDO), with financial support provided by the Global Environment Facility (GEF).

Detailed agenda of the Seminar is as follows

(Day 1) Wednesday 6th August 2025

- Policies, Measures and Specific Approaches by Companies to Achieve Carbon Neutrality in Thailand's Industries, Calculation Method of GHG Emissions

08.30 - 09.00	Registration
09.00 - 09.10	To Give a Briefing of the Seminar by Ms. Sirakarn Leungsakul Director of Industrial Environment Technology Promotion Division, DIW
09.10 - 09.20	Opening Remarks by Mr. Sunthron Kewsawang Deputy director general, DIW
09.20 - 09.25	Speech by Mr. Shinji BANDO, Director, ICETT
09.25 - 09.30	Speech by UNIDO representative
09.30 - 09.35	Photo Session
09.35 - 09.40	Break
09.40 - 10.10	Overview of “Green Industry (GI) Certification System Department of Industrial Works (DIW)
10.10 - 10.40	Latest Trends in Thailand's CN Policy and its Impact on Thai Industry Department of Climate Change and Environment (DCCE)
10.40 - 11.00	Subsidies and Preferential Treatment Systems for Thai Companies (Especially SMEs) Working on CN SME Development Bank
11.00 - 11.30	Approaches and Procedures for Carbon Neutral Initiatives in SMEs and Factories - Setting CN's vision and action goals within the company and improving the internal structure - Dr. Masao TOMIZAWA, CEO, KOE Environmental Business, Inc.

11.30 - 12.00	<i>Introduction of TGO's Support Scheme for Calculating GHG Emissions</i> Thailand Greenhouse Gas Management Organization, TGO
12.00 - 13.30	Lunch Break
13.30 - 13.50	<i>Overview of Supply-Chain Emissions (Scope1,2,3)</i> <i>- Carbon Footprint for Organization: CFO -</i> Dr. Masao TOMIZAWA, CEO, KOE Environmental Business, Inc.
13.50 - 14.50	<i>Supply-Chain Emissions Calculation Methods and Exercises Focusing on <u>Scope1, 2</u> in Food & Food-related Industries</i> <i>- Understanding Current Situation and Issues -</i> Dr. Masao TOMIZAWA, CEO, KOE Environmental Business, Inc.
14.50 - 15.00	Break
15.00 - 16.30	<i>Supply-Chain Emissions Calculation Methods and Exercises Focusing on Major Categories of <u>Scope3</u> in Food & Food-related Industries</i> <i>- Understanding Current Situation and Issues - [Part1]</i> Dr. Masao TOMIZAWA, CEO, KOE Environmental Business, Inc.
16.30 - 17.00	Social Hour for Exchanging business cards and Interaction amongst Participants

(Day 2) Thursday 7th August 2025

- Calculation and Reduction Method of GHG Emissions, Company Case Studies and Panel Discussion -

08.30 - 09.00	Registration
09.00 - 10.30	<i>Supply-Chain Emissions Calculation Methods and Exercises Focusing on Major Categories of <u>Scope3</u> in Food & Food-related Industries</i> <i>- Understanding Current Situation and Issues - [Part2]</i> Dr. Masao TOMIZAWA, CEO, KOE Environmental Business, Inc.
10.30 - 10.40	Break
10.40 - 11.30	<i>Systematic Energy Management, including Energy Conservation in Food & Food-related Industries</i> Thai Energy Conservation Center (ECCT)
11.30 - 12.00	<i>Case Studies: Sharing experience of CFO (sending request to Thai union group plc.)</i>
12.00 - 13.30	Lunch Break
13.30 - 14.00	<i>Case Studies: Sharing experience of reducing GHG in each scope (Ajinomoto Thailand)</i>
14.00 - 15.00	<i>Introduction of Energy-Conservation Technologies in Products and Services by Japanese Companies</i> 1. Miura Co., Ltd. [14:00-14:20] 2. FUKUSHIMA GALILEI CO. LTD. [14:20-14:40] 3. SMC Corporation [14:40-15:00]
15.00 - 15.10	Break
15.10 - 16.25	<i>Panel Discussion and Q&A with Speakers and Presenting Companies</i>

- Contents :
 - Participants will be interviewed in advance about issues and questions they have regarding their company's CN initiatives, and panelists with different perspectives and knowledge will provide advice and answers to some of these issues and questions.
 - Panelists and participants will also directly exchange opinions about issues and questions related to CN initiatives, leading to solutions to these issues.
- Facilitator : DIW and ICETT
- Adviser : KOE Environmental Business, Inc.

16.25 - 16.30 Closing Remarks

Department of Industrial Works (DIW)

16.30 - 17.00 Social Hour for Exchanging business cards and Interaction amongst Participants

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