Carbon Footprint Framework for Green Manufacturing

Entity Overview

	Company name	Location
Representative (Training provider)	EEC Automation Park, Burapha University	Chonburi, Thailand

Business overview

A center for talent development and technology transfer in industrial automation, driving Industry 4.0 with a focus on sustainability.

Partner organization	Mitsubishi Electric Factory Automation (Thailand) Co., Ltd. , Mitsubishi Electric Kanyong Wattana Co., Ltd. , Zeroboard (Thailand) Co. Ltd. , Mitsubishi Electric Automation (Thailand) Co., Ltd. , Silpakorn University

Training Overview

Training site	EEC Automation Park, Burapha University and Participant's Company
Project period	28th April 2026 - 31st January 2027
Training period	8 days (48 hours) in total
Participation fee	29,240 THB/person (1/2 will be subsidized)
Language	Thai
Target trainees	1. Manufacturing professionals, sustainability officers, engineers, and energy managers. 2. Thai companies in the Japanese supply chain looking to improve their environmental performance and manufacturing efficiency.
Training attributes	Training Field: GX, DX Course Type: OJT Basic Knowledge: Not Required Applicable Industry: Manufacturing Industry Highlight of Training Benefit: **GX**: Carbon Emission Calculation; **DX:** Energy Efficiency

Contents of Training

CFP and LCA Workshop	Day 1: Introduction to LCA, Concept of CFP Based on ISO 14067
	Day 2: CFP Workshop - Understanding Calculation Method
CFP Factory Case Implement	Day 3: Case study of CFP - B2B and B2C Carbon Footprint
	Day 4: (OJT1 at Factory, 1 Factory/day) CFP Real Case - Inventory, Calculation and Reduction
CFO and Factory Case Implement	Day 5: Concept of CFO Based on ISO 14064 and CFO Workshop
	Day 6: (OJT2 at Factory, 1 Factory/day) CFO Real Case - Inventory, Calculation and Reduction
Energy Efficiency and Carbon Neutallity	Day 7: Smart Manufacturing Kaizen Level (SMKL) & Energy Reduction and Smart Technology to Reduce Carbon Emission
	Day 8: Project Summary and Presentation for Carbon Emission Reductions, Energy Conservation/Efficiency and Action Plan

Expected Training Benefits

1. **Baseline CFP Assessment**
   ☑ All companies will complete a baseline CFP assessment to understand current emissions and energy use.
2. **Emission Reduction Action Plans**
   ☑ Companies will create plans to reduce Scope 1 and Scope 2 emissions based on CFO findings.
3. **Energy Use Reduction & Renewable Energy Transition**
   ☑ A plan for ≥10% energy reduction and transition to renewable energy will be developed.
4. **Understanding of Emissions Impact**
   ☑ Participants will gain insight into how their products and processes affect emissions, guiding improvement efforts.
5. **Material Efficiency & Waste Reduction**
   ☑ Action plans will focus on improving material efficiency and reducing waste in manufacturing.
6. **Energy Savings & Process Efficiency**
   ☑ Companies will develop strategies to improve energy efficiency and achieve carbon neutrality.

How to Apply for Training

Apply at https://automationpark.or.th/en/news-and-activity/87/
More information please contact email automationpark@eng.buu.ac.th