Energy Efficiency Improvement for Green Manufacturing

Entity Overview

	Company name	Location
Representative (Training Provider)	EEC Automation Park, Burapha University	Chonburi, Thailand
	Business overview	
	EEC Automation Park is a human development and technology transfer center for Industry Automation to be industry 4.0	
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., and Silpakorn University	

Training Overview

Training venue	EEC Automation Park, Burapha University, etc.
Project period	25 July 2024 - 31 January 2025 (5 batches)
Training period	13 days (91 hours) in total
Participation fee	54,604 THB/ person
language	Thai
Training features	Feature 1: To effectively train participants in a class on energy conservation in manufacturing, as well as on evaluating CFO and CFP, and understanding LCA. Feature 2: On-the-job training or Factory site visit) includes: ❑ Energy audit and create scenario to reduce energy consumption ❑ Evaluate CFP and CFO (BAU and improvement) ❑ Providing energy efficiency scenarios and concepts and specifications for management consideration.
Target trainees	✓ Engineers, IT staff and Technicians in the manufacturing industry ✓ Secretariat Officers and Administration related to company policy ✓ Manager and management level focused on creating energy and carbon reduction improvements

Contents of Training

Day 1	Project introduction
Day 2	Energy conservation concept and reduction
Day 3	Energy conservation in machine and process
Day 5	Life cycle analysis and ISO standard
Day 6	Carbon credit measure
Day 7-8	Carbon footprint of product (evaluation)
Day 9	Carbon footprint for organization (evaluation)
Day 11	Carbon footprint and energy efficiency (BAU)
Day 12	Carbon footprint and energy efficiency (Case)

13 days (2 or 3 days a week) 9.00 AM – 17.00 PM

Day 4 (OJT1) Pain point analysis: target point, energy profile and conserve

Day 10 (OJT2) Energy conservation scenario and carbon footprint calculation

Day 13 (OJT3) Energy and carbon reduction scenario, presentation at factory

Expected Training Benefits

1. Expected Outcome for Trainees

❑ Understand and be able to evaluate the carbon footprint of products

❑ Gain the skills to assess the carbon footprint of an organization

❑ Have capable of creating scenarios for energy-saving or energy-conservation initiatives

❑ Develop the ability to identify, analyze, and address causes of energy waste,

❑ Able to analyze and compare carbon emission levels before and after implementing measures

2. Expected Outcomes for Participating Companies

❑ Expected to achieve a 10% reduction in energy consumption for the targeted machines.

❑ Develop further towards the scope 2 of carbon emission

How to Apply for Training

Apply at https://automationpark.or.th/en/news-and-activity/28/

More information please contact email automationpark@eng.buu.ac.th