AI-Driven Energy Diagnosis with EcoAdvisor

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.	

Training Overview

Training site	EEC Automation Park, Burapha University
Project period	28th April 2026 - 31st January 2027
Training period	2 days (12 hours) in total
Participation fee	7,360 THB/person (1/2 will be subsidized)
Language	Thai
Target trainees	1. Engineers and Production Managers, and also technical staff 2. Manufacturing Sector Leaders of the companies 3. Automotive Industry Groups and the supply chain need international requirements for CO2 reporting and carbon-neutral production standards.
Training attributes	Training Field: GX, DX Course Type: Lecture Basic Knowledge: Required Applicable Industry: Manufacturing Industry Highlight of Training Benefit: **GX**: Carbon Emission Visualization; **DX: AI Electricity Analysis**

Contents of Training

Day1 Energy Data Management and Analytics System	1. Configure Solution 1 Standard Logging Participants will practice reading raw logging files from PLC devices
	2. Use the File Converter tool to register and collect data within the EcoAdvisor application for initial energy analysis.
Day2 Collected Data from SCADA Monitor and Analyze Data	3. Implement Solution 2 Advanced SCADA Integration Trainees will use GENESIS64 as a Data Exporter or History Reader to output machine data through the specialized GEN64 File Converter
	4. Build Real-time Dashboards Working in groups, participants will set up SCADA tag I/O and visualize energy consumption in real time, focusing on identifying patterns, anomalies, and CO2 emission equivalents

Expected Training Benefits

1. **Accelerate Carbon Neutrality Goals**
   ☑ Companies gain the technical framework to translate raw machine data into verifiable CO2 reduction targets, meeting international GX requirements and sustainability mandates. .
2. **Minimize Energy Costs**
   ☑ The program enables the identification of "invisible" energy waste and machine downtime, allowing for optimized production scheduling that reduces peak electricity consumption and operational overhead.
3. **Enable Digital Transformation (DX)**
   ☑ Organizations bridge the gap between legacy shopfloor equipment and modern AI-driven analysis by mastering SCADA and EcoAdvisor integration for a unified data architecture.
4. **Enhance Global Competitiveness**
   ☑ By adopting automated, real-time energy reporting, companies can meet the strict transparency standards required by international supply chains and environmental regulations.

How to Apply for Training

Apply at https://automationpark.or.th/en/news-and-activity/93/
More information please contact email automationpark@eng.buu.ac.th