Real-Time Machine Electricity Monitoring and Analysis with SCADA

Entity Overview			Contents of Training		
Representative (Training provider)	Company name	Location	Module 1: System	Day 1: Smart Manufacturing Kaizen Level (SMKL) & Basic PLC and Human Machine Interface (HMI) - Understanding and Application	
	EEC Automation Park, Burapha	Charlessi Theiland	Measure Electricity	Day 2: HMI and Power Meter - Understanding and Application	
	University	Chonburi, Thalland	Module 2:	Day 3: SQL Database and System Interface Hardware, Data Transfer and Record	
	Business overview		Industrial Database Application	Day 4: (OJT1 at Factory, 1 Factory/day) Factory Walkthrough & Power Meter/CT Hardware and Software Setup	
	A center for talent development and technology transfer in industrial		Module 3: SCADA Day 5: SCADA - Practice basic monitoring and control		
	automation, unving muustry 4.0 with a focus on sustainability.		and Remote Display	Day 7: System Architecture Setup, Create SCADA Display, Send Data SOL	
Partnor	Mitsubishi Electric Factory Automation (Thailand) Co., Ltd.		Module 4: Monitor and Analyze Data	Database	
organization				Day 8: (OJT2 at Factory, 1 Factory/day) Create SCADA Dsplay for Visualization and Commisioning Platform	
Training Overview			from SQL	Day 9: Project Summary and Presentation for Electricity Visualization, Minimize	
				Energy Loss and Downtime Reduction	
Training site	EEC Automation Park, Burapha University		Expected Training Benefits		
Project period	29 th April 2025 – 31 st January 2026		1. Energy Reduction		
Training period	9 days (54 hours) in total		 Irainees are expected to reduce energy consumption by 10% for targeted machines, based on the project implemented during the training. Actual savings depend on the selected machines. SMKL (Smart Manufacturing Kaizen Level) Development By developing machine visualizations to Level 1C (Data Analyzing), trainees will analyze 		
Participation fee	 39,970 THB/person (1/2 will be subsidized) Thai 1. Hands-on experience with PLC, HMI, ME96 Power Meter, and SCADA systems 2. Focus on monitoring and reducing energy consumption for better productivity 3. Practical learning through on-the-job training at factory sites 4. Smaller class sizes with 5 trainees per plant for better engagement 5. Emphasis on reducing greenhouse gas emissions and improving energy efficiency 1. Employees engaged in the manufacturing industry 2. On-site workers on production lines 3. Employees in production control or kaizen teams 4. Middle management in the manufacturing industry 				
Language					
Training features			 data, reduce waste-time, and improve production processes, advancing to Level 1D (Optimizing). 3. Production Line Development ✓ Trainees will learn to apply the SMKL concept to improve production lines, progressing to Levels 2C (Analyzing) and 3C (Analyzing) with SCADA software for factory-wide data analysis and optimization. 		
Target trainees			How to Apply f Apply at https://bit More information	or Training t.ly/3YA4p0V please contact email automationpark@eng.buu.ac.th	