Lean and Green Manufacturing through Digital Transformation: Japanese Expertise for Thailand 4.0

Entity Overview

Representative (Training provider)	Company name	Location
	Sirindhorn International Institute of Technology, Thammasat University	Pathum Thani, Thailand
	Business overview	
	One of Thailand's research universities, it offers science, technology and engineering education, as well as related management programs.	
Partner organization	LEXER RESEARCH Inc., GreenCPS Consortium, ASUENE Inc.	

Training Overview

Training site	Sirindhorn International Institute of Technology, Thammasat University
Project period	8th October 2024 – 31st January 2025
Training period	2 days (10 hours) in total
Participation fee	10,000 THB/person (1/2 will be subsidized)
Language	Thai
Training features	1. Concept of lean manufacturing 2. Overall equipment efficiency as KPI for cyber Kaizen 3. Data analysis method for cyber Kaizen with production simulation 4. Production process kaizen with production simulation 5. Investment effect optimization with production simulation
Target trainees	1. Manufacturing Industry Employees 2. Engineers in Production System Development 3. Production Kaizen Teams 4. Production Planning and Control Operators 5. Strategic and Top Management in the Manufacturing Industry 6. System Integrators

Contents of Training

1. **Implement Pre-Production Kaizen (Front-Loading)**
   - Concept of front-loading, which involves conducting Kaizen activities before the start of production.
2. **Enhance Productivity through Cyber-Physical Production System Design**
   - Utilize advanced production simulation tools in a cyber-physical environment to design and optimize manufacturing systems.
3. **Optimize Key Manufacturing Elements**
   - Comprehensive improvements across multiple areas, including productivity, inventory efficiency, lead time reduction, labor performance, and production layout.
4. **Facilitate Informed Decision-Making for Total Optimization**
   - Trade-offs between operational capabilities and investment costs by providing participants with methodologies for informed decision-making

Expected Training Benefits

1. Innovative Transformation to Industry 4.0 through IoT Integration
2. Companies can expect up to a 20% improvement in productivity across all production divisions.
3. Upskill participants in critical engineering areas, particularly in managing and optimizing IoT-integrated production systems

How to Apply for Training

Please contact via the email address below for the application.
Email address: gxdxhrd@gmail.com