Basic Training Course for Carbon Foot Print (CFP) Knowledge and Self-Accounting by DX

Entity Overview

Representative (Training provider)	Company name	Location
	Indonesia Jepang Bersama Foundation (IJBNet)	Jakarta, Indonesia

Business overview
- Adoption of applied technologies from Japan .
- Increase exports (food/beverage and bioenergy).
- Development of competent HRD.

Partner organization	1. Lexer Research Inc.	3. Asuene Inc.
	2. Green CPS Consortium	4. University of Indonesia

Training Overview

Training site	University of Indonesia
Project period	April 29th, 2025 – January 31st, 2026
Training period	2 days (12 hours) in total
Participation fee	2,500,000 IDR/person (1/2 will be subsidized)
Language	Indonesian and Japanese
Training features	1. Acquire knowledge in dealing with environmental issues related to CFP 2. Basic knowledge regarding the description of LCA (Life Cycle Analysis) 3. Basic knowledge for calculating CFP from defined LCA 4. Improve productivity by production system design with production simulation as cyber space. 5. Skills in formulating a supply chain strategy that includes investment costs regarding Scope 3 in the required CFP
Target trainees	1. Manager and staff in Environment Management Department 2. Engineers in Production System Development 3. Manager and staff in Procurement Department 4. Manager in Product Design Development: 5. Strategic and Top Management in the Manufacturing Industry

Contents of Training

1. **Understanding of over all for decarbonize situation & approach and exercise of develop LCA and calculate CFP**
   - Overall training course explanation (Lecture).
   - Knowledge of world-wide activities toward decarbonation, learning of methodology for decarbonation with policy and guideline in worldwide, learning of method to calculate CFP along CFP guideline (Lecture).
   - Overview of decarbonation approach and basic method of Lifecyle Assessment (LCA), Describing LCA as supply chain and group discussion, and Calculate CFP utilizing cloud service of CFP (Exercise).
2. **Understanding of over all concept of lean manufacturing & exercise of optimization toward lean with production simulation**
   - Overall explanation on Digital Engineering (DX) (Lecture).
   - Learning of concept of lean manufacturing, Learning of over all equipment efficiency (OEE) as KPI for cyber kaizen, Learning of data analysis method for cyber kaizen with production simulation (Lecture).
   - Overview of production of simulation and basic operation, Basic of kaizen with production simulation, and Production process kaizen with production simulation (Exercise).

Expected Training Benefits

Benefits to Trainees
1. As knowledge toward carbon neutrality, acquire basic knowledge carbon neutrality in the world, guidelines for calculating GHG emissions, and administrative measures;
2. In addition to learning the concept and description method of LCA, students will acquire skills on how to write actual business as LCA;
3. Obtain a method for calculating CFP from LCA.
4. Learn how to optimize investment costs for reducing CFP to make activities toward carbon neutrality economically rational.

Benefits to Participating Companies
1. By being able to carry out CFP calculations in-house, which previously had to be outsourced, we can make overwhelming recommendations on CFP calculation costs.
2. Significant productivity gains, and understand CFP based on LCA, possible to clarify points to work towards carbon neutrality.
3. Employees in the environmental department can understand the actual activities of the division by writing their own LCA, makes possible to promote operational reform guidance for activities within the business from the perspective of the environmental department.

How to Apply for Training

Participants register via +62813-1434-3355 (WhatsApp) and info@ijb-net.org by completing the registration form and a letter of recommendation from the company where they work.