



VIET NAM Cleaner Production Centre



The Viet Nam Cleaner Production Centre is a national focal point for the promotion and implementation of Eco-efficient industrial production through Cleaner Production including Cleaner Technology. It delivers mainly to service providers and to industries high quality services such as Cleaner Production assessments, financial engineering, technology advice, training and information.



Mission of Viet Nam Cleaner Production Centre

- To train the human resource base in enterprises, industry associations, consulting companies, research institutes, academic institutions, and governmental industrial and environmental management agencies in Cleaner Production;
- To demonstrate Cleaner Production assessment in industries to show the advantages of the Cleaner Production approach, and at the same time adapting the internationally developed Cleaner Production approach to Vietnamese conditions;
- To assist policy-makers on the subject and to make recommendations on how to promote the concept of Cleaner Production in industries and through legislation;
- To promote the concept of Cleaner Production and to raise awareness among industries and governmental agencies;
- To assist universities in integrating Cleaner Production into their curricula;
- To co-operate with domestic and international organisations with the aim of supporting the implementation of preventive environmental protection; and
- To serve as a focal point of the UNEP/UNIDO Network of National Cleaner Production Centres.

Why is Cleaner Production important ?

Cleaner Production is not simply a question of changing equipment: Cleaner Production is a matter of changing attitudes, applying know-how, and improving production processes as well as the product itself.

Under future market conditions, companies will have to deliver competitively priced products, which meet customer specification and are produced in an environmental sound manner.

Cleaner production helps to protect the environment by reducing pollution and waste at the source. This minimises the environmental impact, improves production efficiency and reduces costs. Cleaner production is a proactive approach, "anticipate and prevent philosophy". As is well known, prevention is always better than cure.

UNEP defines cleaner production as

....the continuous application of an integrated preventive environmental strategy applied to processes, products, and services in order to increase Eco-efficiency and reduce risks to humans and the environment.

- **For production processes:** conserving raw materials and energy, eliminating toxic raw materials, and reducing the quantity and toxicity of all emissions and wastes;
- **For products:** Cleaner Production includes the reduction of negative impacts along the life cycle of a product, from raw material extraction to its ultimate disposal; and
- **For services:** Cleaner Production is to incorporate environmental concerns into designing and delivering services.



Activities

The Viet Nam Cleaner Production Centre is active in:

Consulting

- Conduct rapid or full Cleaner Production assessment for different industries;
- Conduct financial engineering for Cleaner Production investments;
- Undertake technology gap analysis;
- Provide technical support and assistance during the application of Cleaner Production;
- Establish cleaner production benchmarks for various industrial and commercial sectors.

Training

- Organize introductory and in-depth training on Cleaner Production and specific topics as EMS and CP, energy efficiency, risk management...
- Publish technical papers, articles, and technical manuals...
- Arrange study missions, which focus on the application of Cleaner Production in Viet Nam and overseas.

Cooperation

- Develop partnerships with academic institutions, relevant organizations, consultants and other Cleaner Production practitioners for innovative cleaner technology development;
- Cooperate with universities to integrate Cleaner Production into curricula of chemists, food and environmental engineers and industrial managers;
- Provide channels for disseminating Cleaner Production information.

Organization

Vietnam Cleaner Production Centre was established on 22 April 1998 within the framework of the project VIE/96/063, signed by the Ministry of Education and Training (MOET) and the United Nations Industrial Development Organization (UNIDO).

Executing agency: The United Nations Industrial Development Organization (UNIDO) in cooperation with the United Nations Environment Programme (UNEP).

Implementing agency: The Institute for Environmental Science and Technology (INEST) at Hanoi University of Technology.

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