

## Applying Cleaner Production (CP)

To Enhance Productivity, Cost Efficiency and Competitiveness



**Join a 1-year programme to implement and monitor**

**eco-efficient measures in your company;**

**Reduced production costs & Improved environmental management**

# Cleaner Production Unit

*Competitive Industrial Production and Safe Environment*

## Global Market and Cleaner Production

Under future market conditions, companies will have to deliver competitively priced products, which meet customer satisfaction and are produced in an environmentally sound manner. Cleaner Production (CP) aims to improve the use of resources (raw materials, and energy), and reduces inefficiencies in the production processes.

CP is not simply a question of changing equipment, it is a matter of changing attitudes and behaviour in doing business, applying know-how and improving production processes as well as the product itself.

CP is a proactive approach, "anticipate and prevent philosophy". Prevention is always better than cure.

*Having signed trade agreements with the European Union, the United States and the Arab region, Jordan has opened new market opportunities. Environment protection and management is a precondition for industry to access those markets.*

*Taking into account the environmental dimension has become more than just a legal constraint; it is also a financial imperative if companies wish to remain in the world markets.*

## Objectives of the 1-year programme

Given the opportunities and constraints of the new global market, the 1-year programme of ERC/RSS aims at introducing practical CP tools to selected industries in Jordan. This will enable them to implement and monitor CP eco-efficient measures in their company. In this respect, participants joining this 1-year programme will:

- Apply CP tools in their company and develop CP options
- Realise economic and environmental savings

## Major benefits of the programme

- Improved resources management
- Lower production costs
- Competitive position on the global market
- Motivation of staff and better image
- Compliance with regulations

## Targeted industries

This 1-year programme is intended to quality driven industrial companies (small, medium and large sized) willing to improve their performance. Participants from the company staff may include:

- Technical Production Managers
- Production Engineers & Technicians, and
- Quality and Environmental Officers



# Cleaner Production Unit

*Competitive Industrial Production and Safe Environment*

## Programme activities

The programme will alternate **training** and **in-plant application** (on the job training). Senior experts from FHNW and SBA together with highly qualified ERC/RSS staff will cover theoretical, methodological and practical aspects of:

- Quick Scan and CP potentials
- Good Housekeeping, Eco-mapping and
- Material Flow Analysis
- Energy efficiency
- CP options identification
- Technical and financial evaluation
- Performance Indicators, Benchmarking and Monitoring
- CP Management Systems
- Financing Cleaner Technologies



### **Examples of economic benefits**

- ü *Saving 12,000 JD/yr by reusing treated wastewater*
- ü *Saving 13,000 JD/yr by insulating equipments to save energy*
- ü *making 10'000 JD by saving raw material*
- ü *better environmental management avoids legal fines*
- ü *a new product opens a market of 60'000 JD*
- ü *For additional information visit: [www.cp.org.jo](http://www.cp.org.jo) ( **success stories** )*

## Programme outcomes

Over the 1-year programme, industries will realise economic and environmental savings and will get:

- A total of **15 days training** (approx. 100 hours) for their participants
- **In-plant assessment**
- Implementation of immediate and efficient CP options
- **CP Action Plan** and recommendations



# Cleaner Production Unit

*Competitive Industrial Production and Safe Environment*

## Who is ERC/RSS

ERC/RSS provides high quality services on a sustainable base to enterprises in the field of CP techniques and methodologies as well as Cleaner Technologies (CT).

The core objective of the CP Unit ( [www.cp.org.jo](http://www.cp.org.jo) ) at the Environmental Research Centre of the Royal Scientific Society (ERC/RSS) is to assist the industrial sectors in Jordan to produce in a sustainable manner, thus improving their competitive position. CP is thereby an approach which reduces environmental pollution with positive financial benefits for the enterprise.

The *overall objective* of the CP project is to contribute towards a sustainable industrial production mode in Jordan increasing the long-term competitive position of enterprises while reducing their environmental pollution by applying cost-effective measures and technologies. Jordan shall thus be also in a better position to benefit in a sustainable manner from a global economy.

For more information contact:  
ERC Director, Eng. Rafat Assi

E-Mail : [rafat@rss.gov.jo](mailto:rafat@rss.gov.jo)

## Who is the Swiss Reference Centre

### FHNW

The Institute of Environmental Technology (IfU) of FHNW ( [www.fhnw.ch/umwelt](http://www.fhnw.ch/umwelt) ) has proven knowledge in the development, organization and execution of graduate and post-graduate courses in the field of environmental technology and management. Its education and research activities are focused on industrial ecology, water resources management, CP and waste minimisation. It is engaged in several national as well as in international projects and programmes for industrial waste prevention and CP. It also organized numerous international training events in Switzerland and abroad.

### SBA

Sustainable Business Associates ( [www.sba-int.ch](http://www.sba-int.ch) ) is an international Non Governmental Organisation (NGO) that is working to engage industrialists in 'eco-efficiency' with the aim of minimising environmental impact and improving business productivity. SBA's main area of expertise lies in a participatory capacity development including training as well as the elaboration of eco-management tools and their respective training modules and in-plant implementation. SBA has also acquired a good expertise in waste management and waste recycling projects as well as environment-economic studies.

## Registration Form

Please complete this form in order to receive more information on the Programme  
(detailed activities, venue, dates & participation fees)

---

First Name .....

Family Name .....

Your Position / Title .....

.....

Company / Organisation .....

Industrial sector .....

Number of employees .....

Address .....

.....

.....

Telephone .....

Fax .....

Email .....

Web Site .....

### Use a check ( ) for your interest in

CP assessment

CP management system

Training

Environmentally sound technologies

Management Systems

Accessing international markets

Measurements

Other : .....

Please send your registration to:

Cleaner Production Unit

ERC/RSS

Tel. +962 (6) 5344701 ext 475

Fax +962 (6) 5340373

Email: [rafat@rss.gov.jo](mailto:rafat@rss.gov.jo)

Contact: Eng. Rafat Assi, Director