Cleaner Production (CP) is the continuous application of an integrated preventive environmental strategy applied to processes, products and services to increase overall efficiency and reduce risks to humans and the environment.

For production processes, CP includes conserving raw materials and energy, substituting toxic/hazardous processing materials by more benign ones and reducing the quantity and/or toxicity of all emissions and wastes before they leave a production process.

For products, CP focuses on the reduction of environmental impact during the entire life cycle of a product, from raw material extraction to the ultimate disposal of the product, by appropriate design.

For services, CP entails incorporating environmental concerns into the design and delivery of services.

CP provides:
- tools for effective EMS - Team work, input/output analysis, material flow analysis, energy analysis and option generation help in the assessment of the environmental effects of companies and at the same time show solutions, often involving relatively low cost changes which help in saving money
- an orientation for the development of an strategy - CP installs a spirit of prevention to help in the formulation of a powerful environmental policy leading to effective and motivating systems which really improve environmental performance of companies and provides for a basis of motivation and training.

APINI activities
- Assessment of CP implementation opportunities in a company, creation and implementation of preventative innovations;
- Environmental investment project development, consultation and supervision of CP investment project implementation, environmental and economic monitoring and assessment of the project results;
- Identification of environmental management costs at a company level and development of Environmenta Management Accounting (EMA) systems;
- M.Sc. courses: "Cleaner Production", "Sustainable Industrial Development".

Achievements

Projects

Publications:

Contacts
Dr. Žaneta Stasiškienė / Dr. Irina Kliopova
Tel: +370 37 300763 / +370 37 300762
zaneta.stasiskien.e@ktu.lt / irina.kliopova@ktu.lt

Updated: 2013-08-29