



CLEANER PRODUCTION

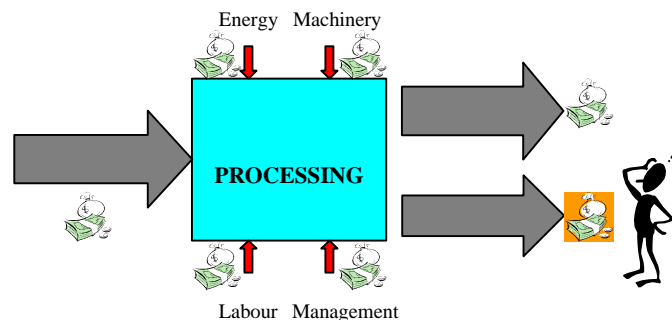
What is Cleaner Production?

CP is also called Pollution Prevention (P2) in North America or other related terms like *waste minimisation*, *green productivity*, *eco-efficiency* and *sustainable business*.

All these international terms describe applications of better management strategies, methods and tools to diminish adverse impacts from processing and using of products and services toward the environment.

Why implement Cleaner Production?

Traditional processes usually gather and treat the waste onsite or at centralized station, which is called “end-of-pipe” solution. The same charge of energy, equipment depreciation and labour cost has been added in raw materials to produce this waste; therefore, why do we waste these precious values together with expense of disposal?



How to apply Cleaner Production?

4Rs (*Reduce, Reuse, Recycle and Replace*) are stepwise implementation in order to achieve the business targets without compromising with environmental protection.

These principles are carried out following this process:

- Planning and starting with full identification of process inputs and outputs
- Data collection for evaluation and pre-assessment the probability of savings and waste minimization.
- Set up a priority list of implementations based on their cost and time consumed
- Implementation and continuous improvement.

Who should apply Cleaner Production?

Both production facilities and services use raw materials, consume energy and other resources to produce products and waste. Therefore, Cleaner Production should be applied in all fields to minimize consumption of resources and diminish adverse environmental impacts.

Some example industries have been applying Cleaner Production principles:



Beverage



Abattoirs



Dairy industry



Pharmaceutical manufacturing



Metal finishing



Paper manufacturing

Sustainable Solutions International Pty Ltd has had experience with Cleaner production projects such as Malting processing (International Malting), Food processing (Kerry Ingredients), Metal finishing and Paper manufacturing.

Where is the incentive for implementing Cleaner Production?

Different from traditional “end-of-pipe” treatment which usually requires huge capital and operational costs for environmental benefits only, Cleaner Production implementation is able to cover its costs by its savings through a stepwise investment. Moreover, businesses are able to get the financial support from Environmental Protection Agency (EPA) funding programs (which SSI will organise) for improving their environmental performance such as:

- EcoBiz program from Queensland EPA
- Industry Partnership Program from New South Wales EPA
- Sustainability Fund from EPA Victoria
- Cleaner Industries Demonstration Scheme from South Australia EPA
- Waste Management and Recycling Fund from Western Australia EPA

Cleaner Production is a useful tool for improving the environmental performance without compromising your business targets. Would you like to start Cleaner Production within your business now? Call Sustainable Solutions International. We welcome enquiries and are happy to provide a free quotation for this service.

For more information please contact:

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