



CLEANER PRODUCTION PROGRAMME

The Automotive Industry Development Centre Eastern Cape initiated the Cleaner Production programme to directly counter the debilitating effects of rocketing utilities cost in South Africa.

The programme employs the latest cleaner production techniques to assist the industry with competitive pricing by reducing electricity and water consumption.

The programme employs lean and six sigma tools in conjunction with expert energy consultants to map energy usage and implement practices and procedures to optimize the use of energy within facilities.

Working with the dti, NCPC/CSIR, AIDC Engineers have saved manufacturers millions.

12%

Average reduction in **energy consumption** of participants' **water, gas & electricity**

2

Of the first **ISO 50001** manufacturing suppliers certified in South Africa.

ASK US HOW WE CAN DO THE SAME FOR YOU

WORKSHOPS /
TRAINING

TRAIN THE
TRAINER
APPROACH/ RELAY
TRAINING

ASSESSMENTS
FOR TRAINERS

PROJECT
IMPLEMENTATION
SUPPORT

AUDITS

CLEANER PRODUCTION PROGRAMME FUNDING MECHANISMS:

Programme selection is based on the company's current energy status and work completed to date.

PHASE 1
Cleaner Production Programme
(Duration- 1 Year)

PHASE 2
Energy Management System Programme (EnMS)
(Duration- 1 Year)

PHASE 3
Energy Management ISO 50001 Implementation Programme
(Duration- 1 Year)

The programme employs a variety of the latest cleaner production techniques to assist the industry with competitive pricing by reducing the electricity consumption and demand through:

- National Cleaner Production energy assessments
- Detailed Energy Audits
- Energy Scope Analysis
- Green Value Stream Map
- Demand Control
- Impact Evaluation
- Process Evaluation
- Feasibility Priority Analysis
- Business Case Development
- Implementation Support
- Closeout and Handover

The techniques used focus on coordinating lean and environmental activities on different organisational levels such as the value stream level, the process level and the work area level.

With a focus on the three organisational levels the company will benefit in terms of:

- Reduced energy cost
- Improved equipment performance
- Resource efficiency
- Gas cost reduction
- Energy Management Systems
- Reduced water consumption
- Energy awareness for employees
- Improved environmental quality
- Improved employee morale and commitment



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