

PROJECT BRIEF

Management Approach to the Eco-Industrial Development of Philippine Economic Zones

Philippine German Development Cooperation



Project Description

The PEZA-GTZ initiative for establishing a Management Approach to the Eco-Industrial Development of Philippine Economic Zones, referred to as the EID Project, is working to promote and implement concepts of sustainable development, balancing economic development with environmental protection and social progress. This includes engaging partners to work for the overall improvement of environmental conditions within the special economic zone areas.

The overall **objective** of the project is: Improvement of environmental management of selected industrial zones and companies located in special economic zones.

Industrial zones are essential to the economic and development policy of the Philippines – similar to other countries in the Asian region. However, over the past two decades this way of industrialization has led to considerable regional disparities and extensive pollution. Up to now, continuous improvement of environmental management in industrial zones must be pursued.

On the pilot scale the project focus is on the two economic zones of Mactan Island, Cebu.

The *Philippine Economic Zone Authority* is supported in building up appropriate services based on integrated management concepts of Eco-Industrial Development. PEZA is guided through pilot implementation such as Integrated Waste Management, Wastewater Management, Energy Management and Corporate Social Responsibility (CSR) as well as institutional capacity development. An integral component of the project is the dissemination and replication of successful EID activities also in other industrial zones.

For further information, please contact :

Atty. Erick Perez
PEZA EID Project Manager
engg_envtl@peza.gov.ph

Bernhard Siegele
GTZ EID Project Manager
bernhard.siegele@gtz.de

Project Offices :

Manila Project Office
2/F PEZA Building
Roxas Blvd. Pasay City
Tel: +63 2 552-7401
Fax: +63 2 551-6561

Cebu Project Office
2/F Administration Bldg
Mactan Economic Zone 1
Lapu-Lapu City, Mactan, Cebu
Telefax: +63 32 342-8541

Web:

<http://environment.peza.gov.ph>
www.gtz.de/en

Partner: Philippine Economic Zone Authority (PEZA)

Target Groups: Industrial locators in two industrial zones of Mactan Island in Cebu; Local government units (LGUs); other government regulatory agencies (DENR).

Duration: September 2006 – August 2009

Eco-Industrial Development (EID)

EID is a management framework for planning and operating clustered or networked industries. It aims at reducing the environmental impact of industry's operations while enhancing business competitiveness by promoting integrated systems solution in efficient resource utilization using modern production and management techniques. It encourages re-use, recycling and recovery of materials and energy to create a closed-loop model of resources. EID is ideal for application in industrial estates and parks where interactive and interdependent strategies can best be implemented through the locators' synergy.

Project Performance Indicators

- Decrease by 33% in Mactan 1 and Mactan 2 of the number of non-compliance with emission standards, waste water contamination and waste disposal according to company internal monitoring reports and environmental inspections by competent bodies (DENR & PEZA).
- Decrease of water and energy consumption by 15% per production unit and decrease of waste production by 25% per production unit in Mactan 1 & Mactan 2.
- A minimum of 3 other PEZA administrated industrial zones are going to adopt the in Mactan proven EID management concept to their performance specification.
- Women and men living in the area of the industrial zones or are working there, confirm a considerable decrease in pollution at work and in the areas close to the industrial zones.



Federal Ministry
for Economic Cooperation
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