

Project Summary

Projekt Background

Economic zones are highly significant for the economic development of the Philippines. Between 1994 and 2002 export from economic zones rose from 2.74 BUS \$ to 22.78 BUS \$. On the other hand, economic zones are causing considerable environmental problems:

- Appropriate waste management does not exist; neither for non-hazardous nor for hazardous industrial waste;
- Waste water treatment is rarely applied and process-integrated technologies and methods are rarely being realized;
- Environmental pollution is a serious risk for Philippines economic development and the health of the Philippine population.

The core problem is that environmental management of economic zones is inefficient or barely applied. Due to their personnel and expert capacities economic zone administrations can only offer incomplete services. In particular it is not sufficient to look only at individual companies in order to solve the massive environmental problems. Up to now, multi-corporate approaches are non-existent. Further more the solution of many of the problems would require a constructive co-operation of economic zone administrations and municipalities which is hardly ascertainable.

Project Objectives

Improvement of ecological management of selected industrial zones and companies located there.

Project Activities

1) Strengthening of environmental management capacities at company level:

- Execution of energy audits, capacity building measures on energy management and energy efficiency;
- capacity building measures related to pollution control, cleaner production, resource efficiency and general environmental management tools.

2) Strengthening of environmental services provided by the economic zone administration:

- Development of an eco-industrial development (EID) management approach and manual, a management information system and a knowledge management approach;
- Execution of audits for waste water treatment and waste management;
- Development of an integrated waste management concept.

3) Strengthening of communication and interaction between the economic zones and the relevant authorities, stakeholders and neighbouring communities, initiation of Corporate-Social Responsibility (CSR) Projects.

4) Strengthening of the EID approach and related management concepts at national level by supporting the Philippine Economic Zone Authority (PEZA) to develop an EID policy.

Implementation Features

Provision of advisory services and capacity building measures to the GTZ-PEZA PMU and to the two pilot zones in Mactan.

Services Provided

- Energy Audits for Companies, Energy management and efficiency workbook
- Integrated Waste Management Concept for Economic Zones
- Waste Water Audits, Wastewater Guidelines
- Institutional development – EID Management Approach and Manual, Information Management System, PEZA Capacity development strategy, PEZA-EID and -CSR Policy advice
- Training on Energy Management, Waste water management, Pollution control, cleaner production and resource efficiency

Philippines

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

Client

German Agency for Technical Cooperation (GTZ)

Duration

01/2007 - 08/2009

Personnel

- 9 PM international
- 18 PM national short-term experts

