

Energy Efficiency Guide for Industry in Asia

The main project output is a Guide for Asian companies who want to improve energy efficiency and for stakeholders who want to help them. The Guide contains five parts:



Where do you start?
the most important contents of the Toolkit



How to be energy efficient
a 6 step methodology tested at Asian companies



Industry sectors
process information, energy efficiency options, company case studies



Energy equipment
technical information, energy efficiency options, case studies, training materials



Tools
training materials, option checklists, worksheets, GHG Indicator, contact and information database

The Guide is partly translated into 5 Asian languages and is available in hard copy, on CD Rom and on:

www.energyefficiencyasia.org

National Focal Points

Bangladesh

Institute of Management Consultants Bangladesh (IMCB)
Email: srgb@consultant.com

China

State Environment Protection Administration (SEPA)
Email: wang.xin@sepa.gov.cn

India

Indian National Cleaner Production Center (NCPC)
Email: ncpc@del2.vsnl.net.in

Indonesia

Ministry of Environment
Email: sudariyono@menlh.go.id
Agency for the Assessment and Application of Technology (BPPT) Email: tusyaa@ceo.bppt.go.id

Mongolia

Ministry of Nature and Environment
Email: oyundar@mongol.net

Philippines

Industrial Technology Development Institute (ITDI)
Email: abherrera@pacific.net.ph

Sri Lanka

Small and Medium Enterprise Developers (SMED)
Email: geriapsl@sltnet.lk

Thailand

Thailand Institute of Scientific and Technological Research (TISTR)
Email: peesamai@tistr.or.th

Vietnam

Viet Nam Cleaner Production Center (VNCPC)
Email: VNCPC@vncpc.org

More information?

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United Nations Environment Programme

Greenhouse Gas Emission Reduction from Industry in Asia and the Pacific

Gerlap



Climate Change and Industry

Climate change is a serious risk facing industry in the Asia Pacific region. Every company will directly or indirectly be impacted by the Kyoto Protocol, rising fuel prices, extreme weather events and government energy policies.

There is one thing all companies can do to be prepared: improve energy efficiency now.



Cleaner Production

Cleaner Production (CP) is an environmental strategy that prevents wastes and emissions. CP can assist companies to:

- ✓ improve energy efficiency
- ✓ reduce greenhouse gas emissions
- ✓ reduce costs

GERIAP Project

The three year project **Greenhouse Gas Emission Reduction from Industry in Asia and the Pacific (GERIAP)** aims to assist companies to become more energy and cost efficient through CP.

More than 40 companies from the cement, pulp & paper, iron & steel, chemicals and ceramics sectors participate in the project.

The project is coordinated by the United Nations Environment Programme (UNEP), funded by the Swedish International Development Cooperation Agency (Sida), and implemented together with National Focal Points in nine countries.



GERIAP Components

1. Capacity Building

National Focal Points and participating companies received training on how to apply CP to identify energy efficiency options for main energy uses in industry.

2. Demonstration of CP and Energy Efficiency

CP assessments to find ways to improve energy efficiency were carried out at the participating companies.

Options that were technically feasible, financially attractive, and reduce energy and greenhouse gas emissions were implemented, resulting in sector specific case studies.

3. Survey of barriers to energy efficiency

Why do some companies improve energy efficiency and others not?

A survey assessed the financial, cultural, technical and external factors affecting businesses, resulting in proposed solutions to overcome the most important regional and national barriers.