







REPORT ON THE PROGRESS OF THE TECHNICAL DIRECTORY FOR BUILDINGS AND INDUSTRIES PROMEEC WORK PROGRAMME 2006-2007

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INTRODUCTION

TD is a tool for dissemination of technologies and best practices implemented in major industries and buildings in ASEAN.

TD is one activity under Phase 2 of PROMEEC, was agreed for further expansion and development during the Inception Workshop held in Kota Kinabalu in July 2006.

It provides guidance on enhancing energy conservation measures for buildings and industries.

It is user friendly and is available to all users at ACE website.

It is a "living document" and that will be updated, expanded and maintained in ACE website.



CONTENTS OF TD

- Part 1 Overview of Technology or Practice
 - Name of Technology
 - Energy Source/Practical Use
 - Outline and Effects
- Part 2 Technical Description
 - Principle
 - Features
 - Mechanism
- Part 3 Successful Cases
 - Energy Saving and Cost
 - Companies/Organizations



STATUS OF COMPILATION

- Inception 2006-2007 (Kota Kinabalu, Sabah)
 50 Technologies for Industries 30 Technologies for Building
- Post Workshop 2006-2007 (Seria, Brunei Darussalam) (+) 25 Technologies for Industries:

 - Machinery and equipment

 - Energy saving equipment
 - Cement (Compressed air system improvement)
 Iron & Steel (Advance control in the blast
 - furnace)
 - (+) 5 Technologies for Buildings
 - Process heating system
 - Achieve steam system
 - Maintaining pumping system effectively



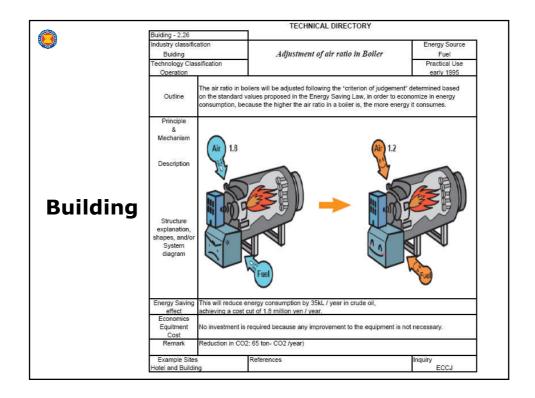
EXAMPLE OF SUCCESSFUL CASES

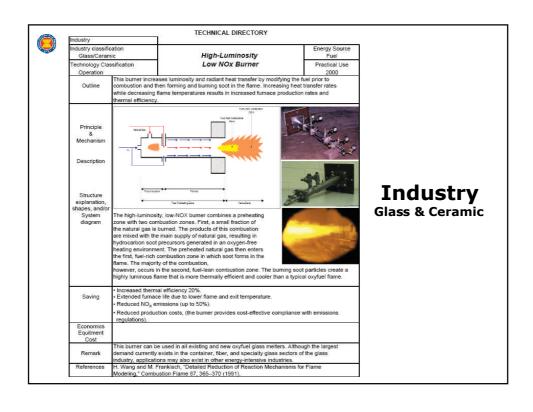
Building

- Automatic operation control for escalator Don Chan palace Hotel & many other new Hotel
- Control of number of Elevators operation during night Don Chan palace
 Hotel
- 3 Daylight sensor for Building BNI 46 Indonesia
- 4 AC equipped with heat pipe University Catholic Indonesia ATMAJAYA

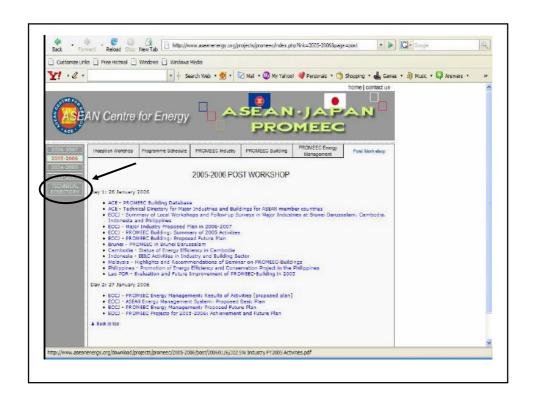
Industry

- 1 Introduction of clinker pre-grinding roll crusher Panda Cement plant
- 2 Continuous Digester control technology Pulp and Paper Texas mill corp.
- 3 Heating furnace using regenerative burner iron & steel industry Philippines
- 4 Capacitor Major business Industries
- 5 Production process Brine electrolysis heat recovery line preheated Coustic soda Major Business















Seminar Workshop 24 Nov 2006, Myanmar Appreciated the efforts to prepare TD.

Recommended to prepare CD copies of TD due difficulty with internet access in Myanmar.



PRESENTATION OF TD IN VARIOUS PROMEEC BUILDING AND INDUSTRIES, AND ENERGY MANAGEMENT SEMINAR WORKSHOP



Energy Audit – Iron & Steel Industry, Thailand

Continue efforts to maintain TD in ACE website, free of charge for all users.





Supported the development of TD, and recommended to further promote that TD is available to many industries to enhance energy conservation efforts.

Energy Audit - Cement Industry, Lao PDR



PRESENTATION OF TD IN VARIOUS PROMEEC BUILDING AND INDUSTRIES, AND ENERGY MANAGEMENT SEMINAR WORKSHOP



PROMEEC Building, Brunei Darussalam 9 September 2006

Congratulated
ACE & ECCJ for
putting up TD in
the ACE website.
Recommended
that TD be
updated to reflect
best cases or
energy
conservation
practices in
ASEAN
countries.





Recommended to organize workshops to explain the TD and to collect data from participants coming from buildings and industry sectors.

PROMEEC Energy Management, Cambodia 11 September 2006



PRESENTATION OF TD IN VARIOUS PROMEEC BUILDING AND INDUSTRIES, AND ENERGY MANAGEMENT SEMINAR WORKSHOP



Develop promotional materials to make known the availability or existence of TD.

PROMEEC Energy Management, Indonesia 30 November 2006





PROMEEC Energy Management, Vietnam 18 September 2006

Recommended
ACE to develop a
mechanism to
collect data from
buildings and
industries in
ASEAN
countries; and to
validate the
accuracy and
reliability of
information
collected.



PRESENTATION OF TD IN VARIOUS PROMEEC BUILDING AND INDUSTRIES, AND ENERGY MANAGEMENT SEMINAR WORKSHOP



PROMEEC Building, Philippines 13 October 2006

Commented ACE and ECCJ for compiling successful cases of technologies and best practices in ASEAN countries. Suggested to establish database of buildings and factories to participate in updating and providing data in TD



FUTURE IMPROVEMENTS

- Further expansion and detailed descriptions of Part-1 and Part-3.
- Collection of successful cases from the entries and winners of ASEAN Energy Awards
- Visit to ASEAN capitals to collect more data on successful cases and best practices
- Continuation of PROMEEC seminars and workshops to get inputs and feedback from stakeholders.
- Input ECCJ expert.
- Develop interactive internet based TD such as search engine, Q&A, etc.

