

CASE STUDY OF A SUCCESSFUL NATIONAL ENERGY PROGRAMME/STRATEGY

1. The problem or issue addressed: Insufficient and unreliable energy supply particularly in the remote areas that are considered unlikely to have traditional distribution and supply system installation because of their geographical limitation.

2. Name of the programme: Solar Home System

3. Timeframe : 1 years **Year Started:** 2004

4. Status: v Ongoing ? Completed in year_____

5. Main objectives:

- To provide sufficient and reliable electricity supply through solar system primarily for 5,000 households in the remote areas whose geographical conditions are not suitable for conventional supply and distribution system
- To enhance the quality of life of people residing in these areas

6. Lead Institution: The Provincial Electricity Authority

7. Other implementation arrangements and stakeholders involved (public, private, NGOs, CBOs, international support, etc)

8. The results achieved (if possible, please address the social, economic and environmental impacts of the programme):

- Solar home system capable of providing reliable and sufficient electricity to households in remote areas
- Improved quality of life particularly in terms of enhancing the ability to access news and information

9. The relationship of the programme to internationally agreed goals and targets:

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1. The problem or issue addressed: In everyday basis, regardless of energy sources e.g., gas, oil, or electricity, energy loss during cooking is substantial. The use of inefficient equipment has proven a main culprit of energy loss during cooking. Besides, the use of inefficient cooking equipment can be dangerous to users.

2. Name of the programme: Induction type cookers

3. Timeframe: 1.5 years **Year Started:** 2003

4. Status: v Ongoing ? Completed in year _____

5. Main objectives:

- To dwindle energy loss from cookers and raise cooking efficiency
- To surrogate conventional electric cookers that cause huge energy loss and danger to human with new type of cookers
- To be a prototype for other cooking equipment

6. Lead Institution: (1) Metropolitan Electricity Authority
(2) King Mongkut's Institute of Technology Ladkrabang

7. Other implementation arrangements and stakeholders involved (public, private, NGOs, CBOs, international support, etc)

8. The results achieved (if possible, please address the social, economic and environmental impacts of the programme):

- More people using the energy-saving equipment
- The use of products manufactured in Thailand rather than imported products from oversea.

9. The relationship of the programme to internationally agreed goals and targets:

The programme has fulfilled internationally agreed goals and targets in terms of encouraging efficient use of energy in household sectors.