

RENEWABLE ENERGY WATER and RURAL DEVELOPMENT



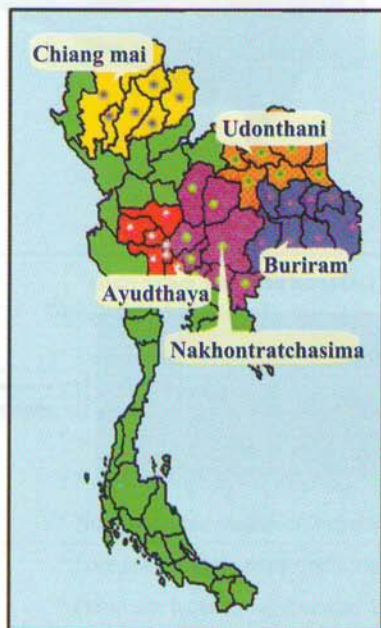
In January 2007, the two companies Solartron and Grundfos joined forces in a project on Renewable Energy Water and Rural Development, named in short **"REWARD"**

The **"REWARD"** programme aims at introducing cost efficient solar pump solutions to water problems in rural Thailand.

The initiative is partly financed by grants from the Danida Danish Partnership Facility Programme, which is an environment assistance programme to Thailand by the Danish Ministry of Foreign Affairs.

The goal - improving environment and sanity

- * To provide water supply solutions to rural non-electrified villages
- * To increase general knowledge and use of solar water pumps
- * To increase knowledge and capacities on safe water supply



The Knowledge Centres

The **"REWARD"** information campaign will be carried out by 5 Knowledge Centres, placed as shown on the map.

In addition, 3 mobile demonstration units will cover the areas shown in green on the map.

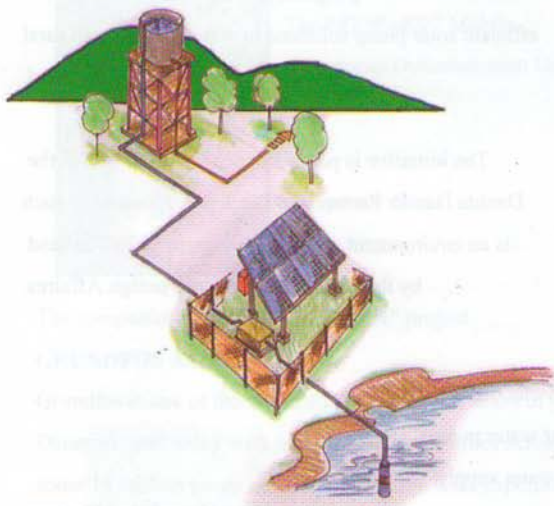
The Knowledge Centre workers will inform people in rural areas about the importance of clean water, good sanitary conditions and using renewable energy.

Further, they will present renewable energy solutions to decisions makers, and support these in setting up systems in accordance with their actual needs.

Sustainability of the "REWARD" programme

We believe that the success of bringing water to people in rural areas relies on the following factors, which are integrated in our project:

- * Safe water supply benefits
- * Local commitment and contribution
- * Minimum maintenance and operation costs
- * Proper installation, training and after sales service



"REWARD" demonstration

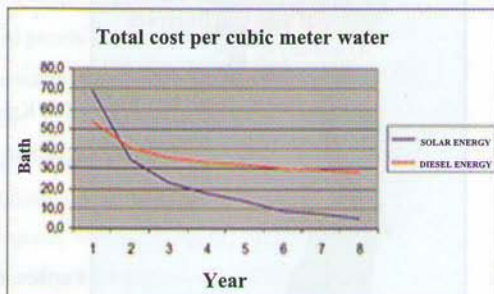
projects - irrigation and well application



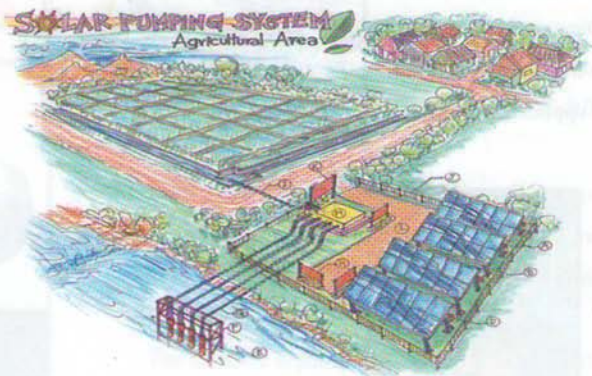
Life Cycle Costs of solar power versus diesel

When investing in water supply systems, always remember to consider the energy costs.

The lifetime of a solar pumping system is very long, thus when comparing the systems the solar system will be cheaper after only approx. 1.5 years.



“REWARD” demonstration project - irrigation and well application



Grundfos SQFlex pumps



Sustainable development is a keystone for the “REWARD” project; it is vital that systems are created with respect for the environment, especially as to energy consumption.

Solartron solar panels

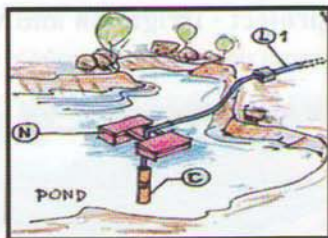


Some of the benefits of solar powered water pumps:

- * Use of renewable energy source
- * Independency of oil/energy prices
- * No air pollution from power system
- * No noise from power system
- * No transportation of fuel for power system
- * Low maintenance costs - no oil consumption
- * Pump site location independent of availability of conventional energy sources
(e.g. electricity & diesel)

“REWaRD”

Demonstration project
- irrigation and well
application



The “REWaRD” Mobile
solar pump Demonstration Unit



The companies behind the “REWaRD” project

GRUNDFOS A/S

Grundfos is one of the world’s largest manufacturers of pumps and pump systems. Founded in Denmark, and today with more than 70 companies across the globe and a yearly production of some 16 million pump units, Grundfos has wide experience of putting the products to use in all kinds of rough conditions. Grundfos has produced solar driven water pumps since 1980, and the youngest generation of these pumps, called SQFlex, has been installed in more than 25,000 sites since the introduction in 2002.

SOLARTRON PCL.

Solartron is a pioneer of solar technology in Thailand having more than 20 years of experience. With a factory placed in Nakhonratchasima, Solartron is a turnkey supplier, who both produces and installs solar panels. Till now Solartron has delivered panels for more than 3500 projects both for solar homes, irrigation, telephone, street lights solar water pumps and other applications.

For further information on the project, please contact:

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