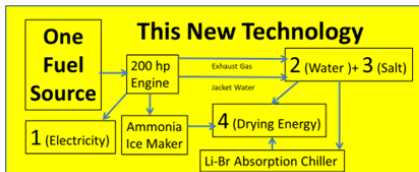
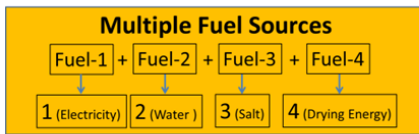


The Foundation of the Project

- - - People - - -



Technology for Communities and the Planet



We leave this BEHIND

ABSTRACT

What is the Project About?

One Fuel = Electricity + Water + Salt + Danggit + Tuyo + Copra + Ice + Chilling

Benefits = for COMMUNITIES + for PLANET

The Foundation of the Project is People. At the bottom support is Economics where PROFITS STAY within Communities to "circulate" within. Profits are not taken out.

Along side is the radical reduction of the release of Carbon Dioxide to the Planet. This is at no extra cost. It reduces costs to Communities.

The Project uses only one fuel, but produces many outputs for Communities. The trigger is FREE energy recovered from the wasted energy of traditional technology.

This Technology with benefits to the COMMUNITIES would be along the 36,289 kilometers of shorelines, and along shorelines of lakes, brackish areas, and marshes in the Philippines.

An engine with a shaft horsepower of 200, or more, is chosen for this presentation, because it is the threshold for having enough FREE energy input to the commonly available Lithium-Bromide Absorption Chiller in the market.

This technology RECOVERS waste energy to become FREE energy from ONE non-corrosive fuel source, like gasoline, natural gas, sulfur-free diesel oil, to

01. CUT Electricity price to about 1/3rd of the Luzon rate more or less (NOT only half)

In addition, this is for minimal EMISSIONS, for Health and for Progress of Communities and of our Grandchildren, and for saving the ENVIRONMENT. People get

02. Drinking Water (estimate of 1,942 liters per hour)

03. Salt (estimate of 70 kg/hour from 3.5% salinity sea water), or fertilizer from lakes and marshes)

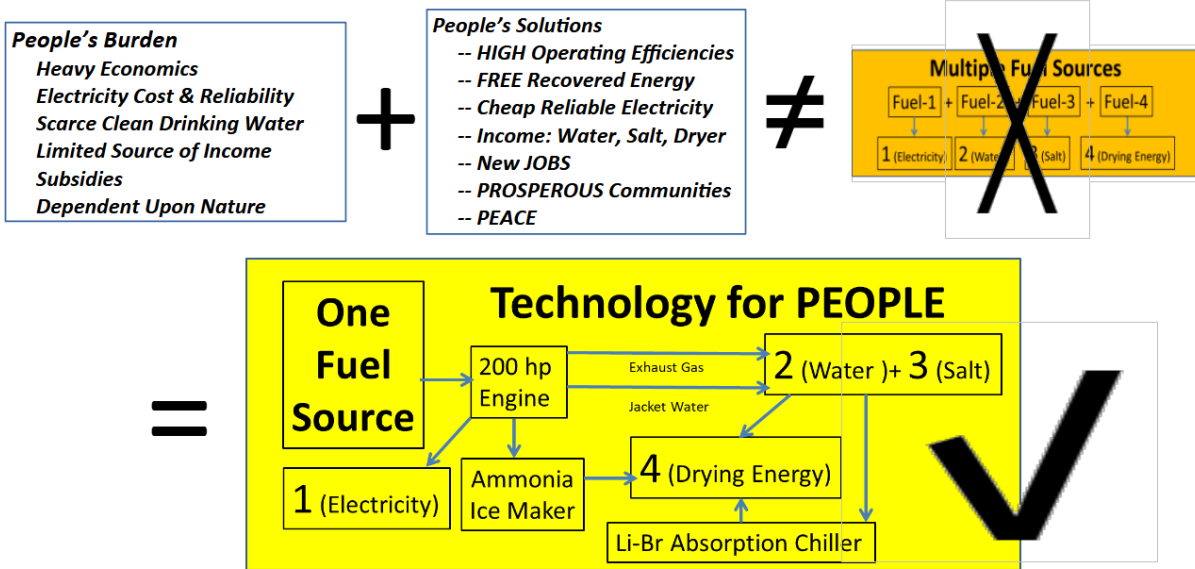
04. Dryer (for Rice, Corn, Tuyo, Danggit, Dried Mangos, etc.)

05. Tricycles becoming Electric Vehicles (EV) and/or Hybrid-Electric Vehicles (HEV) and/or propellers of "pump boats" becoming electricity-driven

06. 200 hp and above, there will be enough FREE energy to drive a Lithium-Bromide Absorption Chiller

07. JOBS CREATED! The engines are operated at their HIGHEST efficiency!

AND my own feeling is that armed people in the MOUNTAINS, and elsewhere, would want to experience the PROGRESS of COMMUNITIES.



GIFT to People

- Home: <https://www.thcal.com>
- Abstract https://www.thcalasanz.com/gift_abstract.pdf

With the ABUNDANCE of FREE energy for the Dryer, the Project is able to assure that the drying function is more efficient, and the production output is SANITARY and will pass many quality standards for EXPORT.

The traditional motorcycle discharges so much CO2 into the environment. This project provides the platform to make the tricycles become Electric Vehicles (EV) and/or Hybrid-Electric Vehicles (HEV). In this way, there is a radical decrease in the CO2 discharge to the environment.

As a very simplified explanation, a motorcycle engine that is running at slow speed, or idling, will be continuously releasing 2.35 kilograms of CO2 to the environment for each liter that it uses.

In contrast, this project charges about 250 batteries at high current consuming 30% of the energy from the 128 liters per hour that the engine consumes. The recovered energy is free, and will be used for other uses. Thus into one battery, the system has stored the equivalent of 0.154 of a liter for one hour. The charging of one battery will have released 0.154 multiplied by 2.35 equals 0.362 kilogram, or 362 grams of Carbon Dioxide. That is all, whether this EV tricycle is waiting or running at whatever load. This 362 grams of CO2 is for the whole use of the battery until its charge is consumed.

Mind you, this energy expense from the battery happens ONLY while the EV Tricycle is coming or going, and only at the level USED by the wheel. The battery keeps its charge while the Tricycle is not using it.

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Platform for Change and Development for the Community

This Technology provides a Platform for Change and Development for the Community. It recognizes each human person as a product of his culture within the Community and his path.

The activities to bring the Project to its goals provide the Filipino a continuing process of socialization and intuitive learnings, by providing an atmosphere where the norms and practices of the culture would be respected.