

Feasibility Study Into Implementation of Solar Energy in INTI International University

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ABSTRACT

The dissertation main focus is on the viability of the implementation of solar energy in INTI International University. Will this renewable energy be beneficial and to what extent?

By the hour the sun rays onto Earth sufficient energy to gratify globe energy needs until to end of the world. Solar energy is the vision utilized to harness the sun's rays and turn into sustainable source of energy. Today, the solar produces less than one tenth of one percent of globe energy demand.

INTI International University Administration have taken the initiative to reduce the current energy usage and cost. The electrical usage at INTI IU has been gradually surging with the increase of population in the campus. A more efficient energy such as solar energy is main focus of this dissertation.

Under the 10-th Malaysia Plan, the Malaysian Government wants 5.5% of finished electricity to come from renewable power origins by 2015. Though, the present contribution from renewable origins (such as biomass, biogas, wind, and solar) for electricity creation stays extremely low, of that solar power merely contributes a mere 0.007% of the finished generated electricity in Peninsular Malaysia.

Cost of the whole system is the main concern throughout the project design, procurement and execution phases, all components selected are ensure to be mutually compatible and manufactured to provide a professionally engineered and integrated power system, thus enhancing system reliability, performance and longevity.