



Paper No.: 2

Hybrid Energy in 2020

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Most of the countries are developing their own energy depending on their natural resources and energy consumption by their industrial production, transportation and population. Globally, reduction of gas emission and replacement of fossil fuel by green energy is the target of the world in order to avoid the global warming and the increase of CO₂ emission and the decrease of oil storage. Consequently, the international solar energy society ISES had established to collect all researches in solar technology and to advise many countries to implement an optimal solar projects. A part of this society, The Asia Pacific Solar Society and Hybrid Technology APSSAHT has been recently established to consider all parts of hybrid energy technology, not only solar, and to advise the Asia pacific region on implementing a hybrid energy projects. This talk will present the objectives of this society and the target of the renewable energy in the year 2020, and briefly introduce the hybrid technology, micro-grid, natural resources and fuels used.

Paper ID.:34186

Feasibility Study Of Sustainable Pellet-Power Generation For Sarawak Isolated Areas

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The fifth fuel policy, as announced in the 8th Malaysian Plan (2001-2005), has targeted renewable energy to contribute 5% of total energy mix by 2010 and this has been the main driver to utilise renewable energy in this country. However, to date, there is still minimum effort has been taken to utilise biomass as fuel for power generation in isolated areas in Malaysia. As such, in order to meet the increasing demand of energy, vigorous efforts and studies are needed in order to sustainably utilise renewable energy in Malaysia especially the underutilised biomass. Therefore, this study attempted to investigate the feasibility of implementing pellet as fuel for power generation in isolated areas where the fuel is in the