

## TECHNOLOGY FACTSHEET SOLAR ASSISTED AIR CONDITIONING SYSTEMS<sup>1</sup>

1. **Sector/ Sub Sector:** Energy
2. **Introduction:** Solar Assisted air conditioning system is a newly developed technology in Philippines. It is a hybrid system of electricity and solar energy.
3. **Technology Name:** Solar assisted air conditioning system
4. **Technology Characteristics:** Solar Assisted air conditioner saves 30 -50 % of Electricity. It has wide target market – hotels, restaurants, hospitals, factory, school, convention centre and high end residential. It requires minimal direct sunlight exposure, heat from ambient and heat blown by the condenser is also utilized. There is minimum 30% saving if conventional AC unit is replaced by solar assisted AC. The saving energy is about 6,785,100,000 kWh/year.
5. **Country Specific Applicability:** Applicable in Sri Lanka
6. **Status of the technology in the country and its future market potential:** -
7. **Barriers:** -
8. **Benefits:** -
9. **Operations:** -
10. **Costs:** -
11. **Reference:** Mr. Felix Richard A. Cordova, President & CEO, Edward Marcs Philippines Inc. [www.edwardmarcsphil.com](http://www.edwardmarcsphil.com) ; E-mail: [info@edwardmarcsphil.com](mailto:info@edwardmarcsphil.com); Tel.: +632 9221371; +632 9221658; Mobile: +63917 6288839

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<sup>1</sup> This fact sheet has been extracted from TNA Report – Mitigation for Sri Lanka. You can access the complete report from the TNA project website <http://tech-action.org/>

