

PHILIPPINES

EuropeAid

Zero Carbon Resorts - Building Energy Autonomous Resorts Creating Appropriate Technology Solutions

- Zero Carbon Resorts (ZCR) -

Lead Partner

Center for Appropriate
Technology (GrAT),
Austria

Partners

Philippine Green
Building Council
(PhilGBC),
Philippines

Palawan Council for
Sustainable
Development (PCSD),
Philippines

Centro de
Investigaciones
Energéticas,
Medioambientales y
Tecnológicas
(CIEMAT) Plataforma
Solar de Almería,
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Asia Society for Social
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EUROPEAN
UNION

The project aims to raise awareness and to reduce the carbon footprint of energy services in the tourism sector by switching to using renewable energy sources. It will also stimulate the local production and use of green technologies for buildings.



Project Background

The economy of the Philippines is in transition from an agriculture-based to a service-based economy. Tourism is one of the most rapidly growing sectors. Due to the poor infrastructure for the supply of electricity, inefficient appliances and wasteful use, energy costs are one of the highest expenses of tourism SMEs. Development of carbon-neutral energy supply systems, and appropriate local and environmental technology solutions is required.

Project Objectives

The main objective is to enable SME companies in the tourism industry, such as hotels, resorts, restaurants, and outdoor activity shops, to provide their services in an energy efficient, cost-effective and sustainable way by making use of local carbon-neutral resources and green technologies.

Project Activities

- Reduce: simple measures that are easy to implement by SMEs and tourists in order to improve energy performance;
- Replace: investing the savings gained from the reduce strategy to substitute outdated and inefficient appliances with green technologies;
- Redesign: a new design of a zero carbon resort (flagship cottage) embracing sustainable buildings and energy services based on renewable resources;
- Training and coaching of local engineers, builders, designers, and SMEs;
- Embedding results from the 3R approach (reduce, replace, redesign) in regional law and disseminating them for replication in other regions.

Facts and Figures

Total budget: € 2,108,859 (EU contribution: 80%)

Duration of the project: 48 months (starting November 2009)

Center for Appropriate Technology (GrAT)

GrAT is a scientific association for R&D of Appropriate Technology based at Vienna University of Technology.

GrAT is the project leader representing the partners' consortium, conducting actions, and implementing appropriate technology solutions.



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Philippine Green Building Council (PhilGBC)

PHILGBC is established as a non-stock, non-profit organisation that aims to introduce environmentally sensitive practices in the way we design, build and manage the built environment.

PHILGBC is a local partner promoting the ZCR project in the building industries and providing technical expertise in green building.



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Palawan Council for Sustainable Development (PCSD)

PCSD is a multi-sector and interdisciplinary body, which under the law is charged with the governance, implementation and policy direction of the Strategic Environmental Plan (SEP) for Palawan Act.

PCSD is responsible organising actions in Palawan and communicating directly with tourism enterprises.



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Plataforma Solar de Almeria Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (PSA CIEMAT)

PSA-CIEMAT is the largest European centre for research, development and testing of concentrating solar technologies.

PSA is responsible for technology transfer with long experience in promotion and dissemination of renewable energy and desalination technologies.



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Asia Society for Social Improvement and Sustainable Transformation (ASSIST)

ASSIST is a non-stock, non-profit international capacity building organisation that aims to achieve and witness meaningful changes to and for our planet and the people living on it.

ASSIST's responsibility is the design of project IEC materials (Collaterals, training Manuals, handbooks, web portal) and dissemination of events.



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