

SPARKLING ISLAND

Summary

- Why this program: energy scarcity and expensiveness mark low life quality of inhabitants of island
- How to solve it?: equip them with continuous supply of lighting
- What is in it ? : _design of lighting

Background

- Energy scarcity & expensiveness due to transport
- Energy affects quality of life

Objectives & Expected Benefit

Objectives

- To provide continuous availability of lightings for households and public spaces.

Benefit

- Improved quality of life for inhabitants of island

Activities (1)

Substance of activities

- Building of a solar power station on shore
- Power charging management
- Design of LED lightings
- Installation of energy-saving LED lightings

Areas of activities

- Location : Maratua Island
- Year : 2014

Activities (2)

Execution of activities

- Students conduct research & development activities, supervised by ITS & Hochschule Wismar
- PT SES provides energy-saving LED lightings
- Team members (ITS, Wismar Univ., Kakanoo, SEES, KKP, Berau Regency) establish power charging management → cooperatives

Funding

- The program is a community-empowerment program:
 - Parties involved:
 - Inhabitants
 - Local gov't
 - Students
 - Supervision: SIDI Network
 - Funding:
 - Ministry of Ocean Affairs & Fishery/KKP
 - Time:
 - 2014 -

Funding (2)

- The program is also a students' research:
 - Parties involved:
 - “Energy supply-demand study” (Electrical/Industrial Eng.)
 - “Design of LED lights” (Industrial Design Dept.)
 - Supervision: SIDI Network
 - Funding:
 - SR&DT-SI Program (HSW-ITS)
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