



SMART VILLAGES

New thinking for off-grid communities worldwide

Findings from the Indonesian Smart Villages Workshop on Island's Electricity

WHAT COMPONENTS DOES YOUR IDEAL OFF-GRID ISLAND/VILLAGE COMMUNITY HAVE?

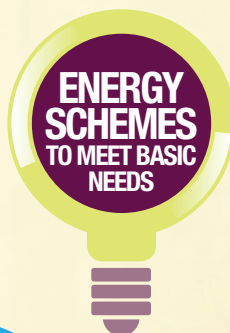


THERE ARE DRYING FACILITIES FOR KOPRA AND CASSAVA, ALONG WITH **SEAWEED DRYING**

THERE IS A **VISIONARY COMMUNITY LEADER** TO ENSURE EVERYONE SHARES A COMMON VISION



LARGE RAINWATER CATCHMENT
TO AVOID RELIANCE ON DESALINATION PLANTS



ENERGY SCHEMES
TO MEET BASIC NEEDS

THE COMMUNITY PROVIDES ITS OWN **ENERGY** USING THE ISLAND'S NATURAL RESOURCES



.....
POWER SOURCES FROM WIDE RANGE OF **WIND, SOLAR AND BIOMASS**

BALANCE IS ACHIEVED IN LAND USE BETWEEN FOOD FOR ISLANDERS AND CROPS TO **SELL**



THERE IS AN **ISLAND COOPERATIVE**

OWNING KEY ASSETS, SUPPORTING TRADE AND MANAGING FUNDS

SMART ECO RESORT
FOR TOURISTS



THERE IS A **NO WASTE** POLICY FOR EVERYTHING
PLASTIC BAGS ARE BANNED



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KEY TO MAP

- **INDONESIA (17,508 islands)**
Rural electrification rate = 76%
(according to state electricity supplier PLN in 2012)
- **THE PHILIPPINES (7,500 islands)**
Rural electrification rate = 81.5%
(World Bank database 2012)
- **MALAYSIA (878 islands)**
Rural electrification rate = 99%
(World Bank database 2012)



THE VILLAGE HAS
AN ELEMENTARY
SCHOOL WITH
**GOOD
COMPUTER
AND
INTERNET
ACCESS**



BUILD A COMMUNITY
**RESILIENT TO
CLIMATE CHANGE
AND NATURAL
DISASTERS**



THERE ARE **SOLAR
MINI-GRIDS**
FOR ICE PRODUCTION
FOR THE FISHING
INDUSTRY



**NEW INCOME
GENERATING
POSSIBILITIES
ARE IMPORTANT**

BUILD A COMMUNITY
THAT AIMS FOR A
**GREENER
LIFESTYLE**

THERE IS A STRONG EMPHASIS ON
**CAPACITY BUILDING AND
KNOWLEDGE TRANSFER**

