

Challenges for solar rooftop development in Thailand

PROBLEM AND CAUSE

HIGH COST AND MAINTENANCE COST AND LACK OF GOVERNMENT SUPPORT

SOLAR CELL PANELS RESULT BY **USING HIGH COST** OF INSTALLATIONS, MAINTENANCE AND CLEANING COST



NOT WORTHY COMPARING TO CASUAL ELECTRICITY

NORMAL ELECTRICITY FOUND THAT **SMALL HOUSEHOLDS** WHICH DO NOT USE MUCH ELECTRICITY



LESS THAI OWNERS

ALMOST HALF OF SOLAR CELL PRODUCTION ARE **FOREIGN** INVESTORS



WEATHER CONDITION AND NEED TO SETTING IN LARGE AREA

FLUCTUATIONS IN WEATHER BECAUSE OF **GLOBAL WARMING** LEAD TO SOME AREA MIGHT **NOT** BE SUITABLE FOR THIS SOLAR ROOFTOP



UNSTABLE PRODUCTION DUE TO SUNLIGHT

BECAUSE OF SOME DAYS MIGHT HAVE RAIN THROUGHOUT THE DAY OR SOME DAYS MIGHT HAVE SUNLIGHT ALL DAY. THEREFORE, **STORAGE IS NOT ENOUGH.**



DEALING WITH THE PANEL WASTE

LACK PLANS ON HOW TO DEAL WITH THAT WASTE AND RECYCLE THEM. THIS WILL **CREATE A LARGE AMOUNT OF WASTE** TO THE COUNTRY



CHALLENGES



OPPOSED FROM THE LOCAL COMMUNITY OF CREATE NEW ELECTRICITY FACTORY

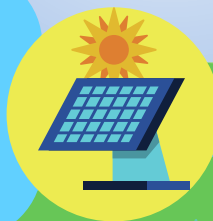
1

EDUCATE THE COMMUNITY ABOUT THE BENEFITS OF SOLAR PANEL (EG. SAFETY, ACCESSIBILITY, AND AFFORDABILITY)



2

GOVERNMENT PROMOTES USING SOLAR PANELS BY INSTALLING SOLAR PANELS IN EVERY GOVERNMENT BUILDING AND SCHOOL.



3

RECYCLING THE SOLAR PANELS WASTE BEFORE MOST OF THE HOUSEHOLD SOLAR PANELS EXPIRE AND GENERATE THE GREENHOUSE GAS EMISSIONS FROM THE WASTE



SUPPORT THAI SUPPLIER

4

REDUCE TAX AND CONTROL PRICE OF THE MATERIALS PRODUCING TO ENCOURAGE THAI PEOPLE TO SUPPLY SOLAR PANEL



SUPPORT THAI CONSUMER

5

SUBSIDIZE PEOPLE WHO PURCHASE SOLAR PANELS TO ENCOURAGE HOUSEHOLDS TO USE SOLAR ROOFTOP.



WEATHER CONDITION PROBLEMS

ENCOURAGE PEOPLE TO GO HYBRID. IN THE REGION OF UNPREDICTABLE WEATHER PEOPLE SHOULD USE SOLAR ENERGY AS AN ALTERNATIVE WAY. EX. LIGHT BULB IN FRONT OF THE HOUSE OR IN THE GARDEN.

