Challenges of Biomass Power

In Thailand

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Electric Situation in Thailand

Productivity < Demand
Solution

Nuclear
OR
Coal Power Plant

Renewable Energy
Problem of Large scale of Power

- Protest
- Pollution
- Big amount of Investment
- Fuel supply
32 Mil. Ha farmland of Thailand can plant various kinds of agricultural product

Food Crops,  Industrial Crops,  Energy Crops
Waste from harvest 40 mil.tones
1 MW of Biomass power > 5000 Plants
Community base biomass power

1. No resistance
2. Low investment
3. Low risk of fuel shortage
4. Increase people’s income
Earth&Sun Alternative Energy

Our Director Experience

2003 – 2007 Research & Develop power plant
   20 kwe

2007 Establish company and the first commercial power plant 150 kwe
   > 35,000 hrs Gasifier operation
   > 28,000 hrs Power generation
What is technology for small biomass power plant?
Gasification
Advantages

- No air pollution
- No waste water
- Very low noise
150 KW 5 Years operation
350 KW  Our New Plant Design
500 KW  Our Power Plant Project
THANK YOU FOR YOUR ATTENTION