



Cost-Saving And Reliable Energy Solutions For SMEs

Is *fuel/oil* a big part of your *expenses*?

Are you worried that *fuel/oil costs* will keep *increasing*?

Do you have resources that can be turned into energy to substitute *fuel/oil*?



Rice Husk Gasifier: 200 kW, installed at rice mill in Battambang

We have a solution for you!

SME Renewable Energy Ltd. provides solutions to small and medium-sized industries that save energy and improve the provision of energy to their business.

One solution is the use of a gasifier that turns biomass such as rice husk or wood into a combustible gas. This gas can then be used in your diesel engine to replace 60-70% of the diesel consumption.

With the current price of diesel this means you can save a lot of money. For rice mills and other industries that consume a lot of diesel, the pay back period for such an investment is usually less than 3 years.

Result of Gasifier installed at rice mill in Battambang

Diesel used before	8,400 liters per month
Diesel expenses before	US\$ 5,628 per month
Gasifier capacity installed	200 kW
Fuel replacement	77%
Current diesel use	1,932 liters per month
Current diesel expenses	US\$ 2,128 per month
Rice husks needed	48 ton per month
Savings on diesel use	6,468 liters per month
Savings on diesel expenses	US\$ 3,500 per month
Payback period	2 years

What are the benefits to you?

- Reduced energy expenses
- Convert waste in valuable energy
- Increased financial stability of your business because less dependent on oil price

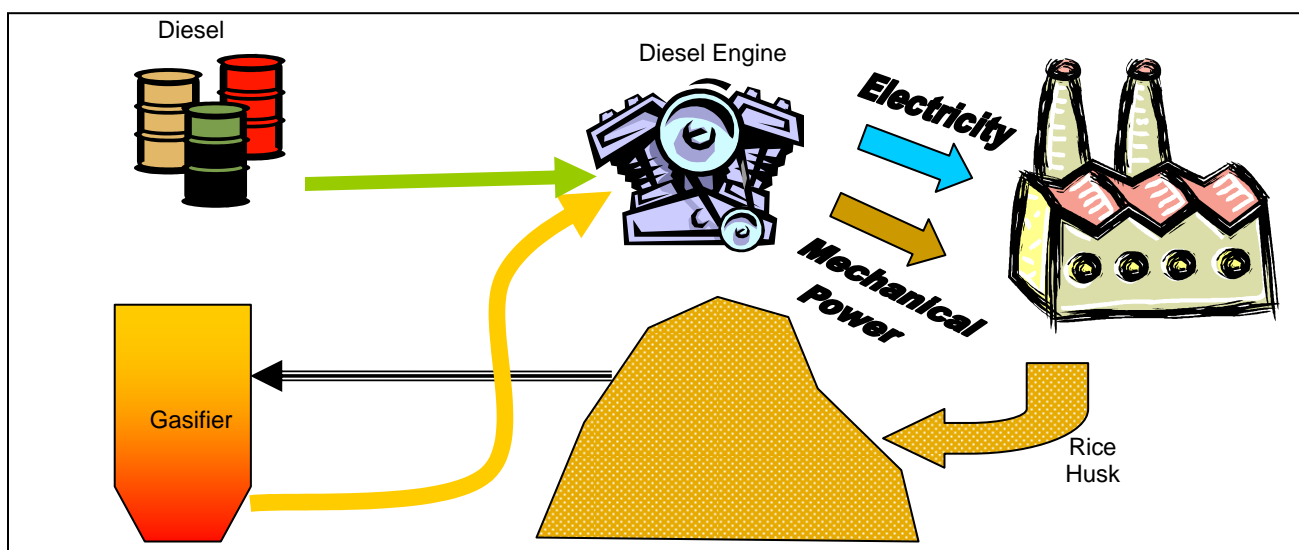
The figures for a project in your business may vary, depending on factors such as energy needs (both mechanical power and electricity), existing engine, availability of rice husk or other biomass, and the numbers of hours of operation per year

We are happy to provide a quick assessment for your business, free of charge!

Scope of our Services:

- Rapid energy audit to evaluate your current energy system, assess your energy needs and estimate potential energy savings
- Tailor-made design of gasifier system to match your needs and conditions
- Purchase, handling and installation of biomass gasifier system (including training of your staff on operation and maintenance as well as and after-sales service)
- Technical design and advice on electricity networks to reduce losses and energy expenses
- Advice on the establishment of plantation of fast-growing tree species suitable for energy purposes
- Financing at competitive terms for eligible project clients

Schematic diagram of dual-fuel gasifier system (to be completed)



About SME Renewable Energy

Our team consists of enthusiastic professionals who understand the nature and needs of agro-industries and other rural industries. We have extensive experience in working with rice mills, brick makers, Rural Energy Enterprises and other rural industries.

Rather than just supplying equipment, we work with you to find the solution that's best for your business and will save the most amount of money. The systems we supply are of high-quality, and come with warranties, training and after-sales service so you can benefit and save money for many years.