

ENVIRONMENTAL MANAGEMENT

Air Quality Control A high-efficiency, state of the art Electrostatic Precipitator traps particles and ash, resulting in atmospheric emissions that exceed state standards.



Noise Control

Careful attention to the positioning of buildings and equipment and the placement of natural barriers like high shrubs contributes to noise control and meets or exceeds all legal standards.

Water System Management All production needs are met with water from the Saha Group Industrial Park-Lamphun reservoir. The small amount of effluent from production processes is treated, recycled, and is used to water green areas, resulting in an efficient, environmentally friendly utilization of water resources.

Ash Management, By-Product of Energy Production (By-product of Energy Production) Biomass ash is utilized as a fertilizer component used as soil conditioner in the fast-growing tree plantations and or distributed to local farmers.

BENEFITS TO COMMUNITY

- Create jobs and revenue for local communities through biomass production, fuel supply, and fast-growing tree programs.
- Raise the value of local agricultural products by using agro residues to fuel power plant.
- Mitigate smog pollution from open and uncontrolled burning of agro residues
- Increase funding of sustainable local development by using revenue from the Electricity Development Fund and Administrative Organizations taxes
- Improve local education, promote research, and teach technology skills by establishing public learning centers
- Enhance economic development of local communities with education, job creation, and promotion of tourism



Contact Office

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BIOMASS ENERGY

A sustainable Energy with Environmentally friendly and Good for Local Economy



SAHACOGEN GREEN CO., LTD.

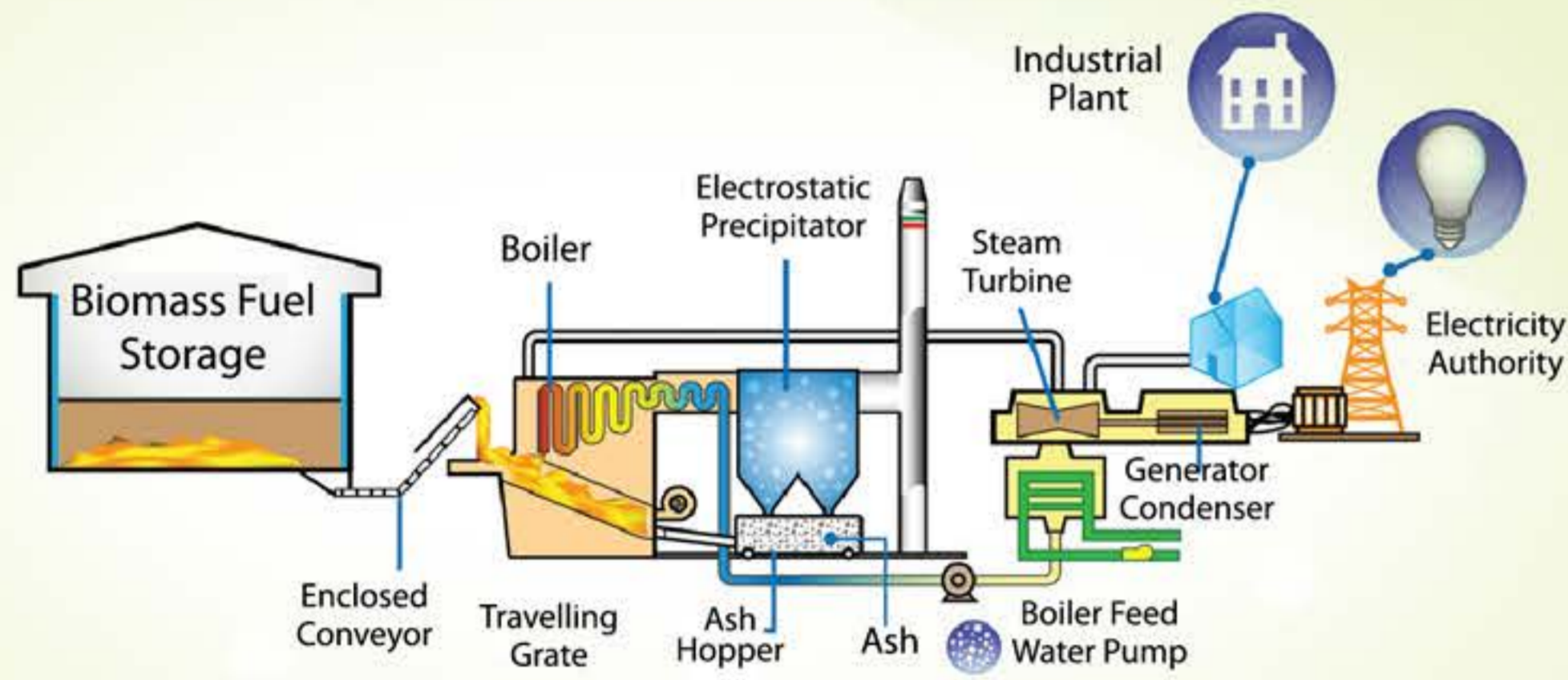


**SAHACOGEN
GREEN**

CLEAN ENERGY FOR COMMUNITY

BIOMASS ENERGY

How do we produce clean, renewable, environmentally friendly energy that benefits local communities and still meets the ever-increasing demands for electricity? To answer these questions, Sahacogen Green Co. Ltd. has researched energy production from biomass by utilizing agro residues such as wood chips, corncobs, and rice husks to produce electrical energy. This project is fully supported by the government sector to find alternatives for non-renewable energy sources.



The Biomass Fired Cogeneration Plant is established at Saha Group Industrial Park-Lamphun and uses advanced cogeneration technology in combination with an environmentally friendly production process. It generates 9.6 MW of electricity and 25 tons/hour steam by using approximately 97,976 tons/year of biomass fuel, composed of agro residues purchased from local communities or material harvested from the Sahacogen fast-growing tree plantation project.

FAST GROWING TREE PLANTATION FOR BIOMASS ENERGY PRODUCTION

To ensure that Sahacogen has sufficient raw materials for electricity and steam production, the Fast Growing Tree Plantation Project was established as a sustainable source of biomass fuel and uses practices like land rental, joint venture and extension - activities that generate additional income for the farmers and communities.



Sahacogen has founded a plantation learning center that provides education on seeding fast-growing trees and other crops, conducts research and development, and is a center of forest gene conservation and other rare species. Additionally, our organic fertilizer production learning center welcomes year-round visitors and offers quality fast-growing seedlings for sale and distribution free of charge basis to the SGN's customers.



BIOMASS FUEL DEPORT- DOITI

Agro residue sales center:
Address: 298 Moo 2, Pasak, Mueng, Lamphun, Thailand
Tel. 053- 091883, 053- 091884
Working Hour: Monday-Saturday at 08.00 am. -17.00 pm.



BIOMASS ENERGY

Green Energy
from COMMUNITY
to COMMUNITY