



**TNCHE Asia 2023 Conference**  
**Energy COP**  
**Presenter Bio data & Abstract**



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**Working Experience** : 42 years  
**Presentation Topic** : Biomass to Biofuels: Technology & Challenges



**Presentation Abstract [1-3 Lines] :**



Center of Fuels and Energy from Biomass (Chulalongkorn Saraburi) was established in 1955 by Thai government for transferring technology or know-how to convert several type of biomass to fuels (Gas, liquid and solid) to SME and industry, which was the main policy of the government at that time. The main of raw material, not only biomass but all of organic or hydrocarbon waste were managed by converting or recycling, which is recently considered as BCG model now. In this presentation will be focused on 2 type of biomass: lignocellulose and vegetable oil, which were converted to Gas, Liquid and Solid fuels in pilot scale. Gas product is the synthetic gas produced by new horizontal gasifier, Liquid fuel (Biodiesel bio naphtha and bio-jet) from waste vegetable oil and biomass by pyrolysis and FT synthesis and solid fuel in a form briquette from bulky biomass.



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