



DEVELOPMENT OF SUGAR COGENERATION PROJECTS IN SOUTH EAST ASIA

CASE STUDY/INSIGHT

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Sugar industries in South East Asia started going for modern cogeneration plants from year 2000 onwards. In Thailand, one group of company managing several sugar industries started that revolution. They implemented the first high pressure modern sugar cogeneration projects in 2002. They have installed two 41 MW cogeneration plants in Thailand for their sugar mills in two different locations after conducting full feasibility studies and fuel supply availability studies. The power plant management was very generous to allow visitors from all over the world, to visit their power plant and gain knowledge on operation and implementation.

These projects showcased European technologies and were supported by COGEN3, which was funded by European Commission to promote European technologies in South East Asia (SEA). The main objective of COGEN3 is to accelerate the implementation of proven, clean and efficient cogeneration technologies using biomass, coal and gas as fuels within the industrial sectors of ASEAN region. This programme was very active starting from January 01, 2002 to until December 31, 2004. It is one of the most successful programme funded by European Commission which was the inspiration for so many biomass project implementations later on in SEA.

Under this programme, several training programmes, workshops and capacity building programmes were conducted throughout SEA. Special focus was given to sugar industries in Indonesia, Thailand, The Philippines and Vietnam.



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Several biomass power plant project development training programmes were also conducted along with Clean Development Mechanism (CDM) training. Experts travelled to the nooks and corners of SEA, meeting agro industries and promoting the implementation of biomass cogeneration plants. Due to the grand success of this programme, several biomass cogeneration power plant projects were implemented in Cambodia, Indonesia, Lao PDR, Malaysia, Singapore, Thailand, The Philippines and Vietnam.

