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COGEN 3 FSDP PERFORMANCE MONITORING PROGRAM

CASE STUDY/INSIGHT

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After the end of the COGEN 3 program in December 2004, the European Commission (EC) initiated a project to evaluate the performance of all full-scale demonstration projects (FSDPs). The equipment was bought to measure the performance of the projects. Performance monitoring was conducted two times in all the projects implemented under the COGEN 3 program. Major such projects were two number of 44 MW modern sugar cogeneration plants in Thailand, one modern 15 MW palm waste cogeneration plant in Malaysia, two wood waste cogeneration projects in Singapore, two rice husk power plant projects in Malaysia, palm waste projects and so on.

Data collections were made for consecutive three days for every 30 minutes interval and the average data was input into the special performance evaluation software developed by the energy program of the Asian Institute of Technology (AIT), Bangkok. Using the software tools, boiler performances and cogeneration efficiency were estimated. The results were promising and proved that the supported cogeneration technologies were very efficient compared to THE existing industry standards.



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The members from respective country coordinating teams in ASEAN also actively participated in the monitoring of the FSDPs. Once the performance evaluations were completed, the results were disseminated in the form of leaflets throughout Southeast Asia.

