

ABSTRACT

Electricity Generating Authority of Thailand (EGAT) was formed on May 1, 1969, by the merging of three former regional electricity authorities-Yanhee Electricity Authority (YEA), Lignite Authority (LA) and Northeastern Electricity Authority (NEA).

EGAT's present activities include the construction, operation and maintenance of power plants and transmission network; purchase of power from SPPs and IPPs; and sale of power Provincial Electricity Authority (PEA) and Metropolitan Electricity Authority (MEA), a number of direct customers and neighboring countries; and implementation of demand side management programs.

Currently EGAT utilizes both paper-based and Microsoft Access systems to support and store Maintenance Management data. The administrative staffs are required to maintain the system. They encountered the general problems of manual system, which are the cause of delay of Plant Maintenance Operation schedule.

The new proposed information system will be developed to replace the manual and some computerized information system with IFS, Enterprise Resource Planning Application (ERP). IFS provide functionality to help EGAT to improve work order management process, spare part and consumable process and the efficiency of invoice verification.