

ABSTRACT

Electronic Data Systems Company (EDS) is an information technology outsourcing services company from Texas, United States located in Bangkok, Thailand. It initiates a plan to improve the existing Asset Control System operation to be fully automated and well integrated. Asset Control tasks include monitoring, tracking, updating, maintaining stock and preparing accurate information for budgeting and reporting. All of the assets could be assigned, requested or ordered from users. Information on project schedule and procurement plan, actual work progress is also required. In the existing system data are mostly stored on paper and some are kept in Microsoft Excel files stored in the workstation. These information resources, to a certain extent, need to be stored in a database to reduce redundancy and for efficient and easy access. In the existing stand alone computer environment, information is scattered in several computer units with different data definitions and making it difficult to integrate when needed. Database management system will be used to keep the information in common standard so that these files can be shared among several users.

This system development project focuses on developing a computerized information system to replace the existing system. The proposed system helps to minimize incorrectness, number of operational staff, time delay and human errors. The system development costs will be recovered by the cost saving and cost avoidance benefits after implementation. The benefits also include the improved service level.