ABSTRACT

The purpose of the project is to develop an Information System especially for the Project Management to support the management of resources in interfacing and interacting with internal and external entities such as executives, engineers, subcontractors, and clients. After performing an Information System Analysis the new system is required to have the following features in order to support the Project Management, and be a frame for collection of experiences;

(1) Resource Management System covering: Time Management, Quality Management, and Cost Management, Human resource Management.

(2) Standard Operating Procedures (SOP) for all Project Phases.

The information system design phase consist of three parts;

A Configuration phase where candidate solutions are identified, analyzed, and a target system that will be designed and implemented is recommended. The solution will take the form of a SAP/R3 software suite chosen because of a fast implementation and comprehensive functionality.

A Procurement phase where appropriate hardware and/or software products for the new system has been determined. The new system will run on Windows NT servers with Windows NT workstations supported by a INFORMIX database as well as Microsoft Internet Information Server.

A Design and Integration phase where technical design specifications that will guide the construction of the new system is developed, - this is in the form of database design, software structure charts and finally standards for the graphical user interfaces is created.