ABSTRACT

ATC is an upstream petrochemical company listed in the Stock Exchange of Thailand with The Petroleum Authority of Thailand (PTT) as the major shareholder. Its Aromatics and Reformer plant located in the Map Ta Phut Industrial Estate of Rayong province which is approximately 150 miles (250 km) Southeast of Bangkok. ATC is the first Aromatics plant in Thailand. The plant has already started up some operations recently, and is expected to be in fully operation in the first quarter of 1997.

Currently ATC utilizes both paper-based and Microsoft Excel system to support and store inventory 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 schedule and production schedule.

The new proposed Information System will be developed to replace the manual and some computerized information system with SAP, Enterprise Resource Planning Application (ERP). SAP provides functionality to help ATC to improve purchasing process, inventory management process and the efficiency of invoice verification process.