This system development project focuses on developing a computerized information system to support a decision of Business Development Division on The Analysis of Sea Vessels Costing System (ASVCS) including information on costing, equipment, suppliers, operating expenses, capital budget spending, and BD special activities (programs).

The main function of the Business Development Division is to manage the budget and generate report to Top Level Management on decisions in important investment and have sea vessels to serve and satisfy the customers.

The study for the project started by finding all the processes related to BD transactions, database management, budget control, and all costing on sea vessels paid for standard and maintenance and focused on the areas where improvement could be made by solving the existing problems or constraints. Analysis tools such as data flow diagrams, process specifications, and data dictionaries are the main techniques for developing the environmental and behavioral model. Furthermore, consolidating the database in one program is useful for assisting planners in improving the strategic decision-making.

Since the existing system is mainly manual and has no integration among the Analysis of a Sea Vessels Costing System (ASVCS), Business Development Division and problems happen in other Departments e.g. Crew Department, Ship Operation Department etc. in many cases. For instance, there are problems of redundant processes, slow working processes, data entry, and the high cost of managing data.