

Case Study

Client: Naval Facilities Engineering Command (NAVFAC)

Data Warehouse Pilot Project

NAVFAC is responsible for the construction, maintenance and facilities management of all Navy shore-based installations throughout the world. The NAVFAC Chief Information Officer (CIO) needed to consolidate data from three diverse sources to create a data warehouse supporting performance measurement and evaluation for this far flung enterprise as well as reporting to Congress.

The Solution

ILS was selected to lead the pilot data warehouse project because of the breadth of our database technology experience, coupled with data warehouse development and data exploitation experience. ILS worked with users to collect and clarify requirements, developed the data warehouse data model, and constructed the data warehouse and associated Extract/Transform/Load (ETL) software subsystems.

The Results

ILS brought together data from a Computer Associates Datacom database on an IBM mainframe in Pennsylvania; a Microsoft SQL Server database in an NT environment at NAVFAC Headquarters in Washington, D.C., and an Information Builders FOCUS database on a local computer in Texas. Using specialized expertise with the Copy Manager ETL product from Information Builders (IBI), ILS loaded an Oracle RDBMS and employed COGNOS Impromptu and Powerplay for data exploitation and analysis. This project enabled NAVFAC to achieve its goals for performance monitoring and decision support.

The Technologies

Databases: CA Datacom, Microsoft SQL Server, IBI FOCUS, Oracle
Environments: IBM Mainframe, NT, PC
Middleware: Oracle Gateway (Copy Manager)Data Exploitation: Cognos
Impromptu and Powerplay