

# Hospital Management Analysis System



**Company:** Large Multinational Corporation

**Location:** Japan

## Customer Description

The customer is the medical department of a large multinational corporation, whose medical equipment and related software are being sold throughout the world, including Japan, US, The America's, Australia, Asia and Europe.

## Business Need

The customer required a system to analyze the hospitals monthly processed data (inpatient data, outpatient data, medical history, profit and loss data, salary etc) and then produce reports and analysis on this data. The system should be able to interface with other existing systems to gather the required data (accounts system, medical history management system, financial management system etc.). The system would then be able to clearly display for the customer the monthly activities and deliver concise reporting for their internal use.

## Solution Offered

We developed an intuitive server-client hospital management analyzer system that extracts data from external sources, processes this data, running analysis and then provides intelligent reporting and analysis sheets for the customer to review.

The users follow the subsequent processes.

- Import data: Import management data taken from external systems
- Data maintenance: Modify "the data concerning hospital discharge"
- Create data for analysis: Create data for analysis from imported management data
- Data analysis: Analyze management data
- Output data for analysis: Output data for analysis by CSV file
- System management: Register, modify and delete master data

After starting up the client application, the user imports management data to database by using a server application. If it is necessary to modify "the data concerning hospital discharge", the users modify the data. Then the users create data for analysis, and analyze management practices and monthly activities by using the created data.

## Technology Used

- C#
- .NET
- Chart FX
- XML
- Oracle 10g
- Storing Process
- log4net

## Benefits to Customer

- Intechno used their previous experience in the customers industry and proven methodology processes to deliver a superior intelligent system for the customer helping, through the use of data analysis to make the hospitals monthly processes and transactions more transparent for managers, thus greatly improving their effectiveness and efficiency.
- The delivered solution provided a very easy-to-use intuitive system for the managers to use, helping to produce the required data in the fastest time possible and allow managers to take the appropriate action.

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