



Vensai Technologies

"Providing Quality, Value, and Change"



Case Study

Wright Maritime Group (WMG)

About the Client:

WMG was founded in the early 1990's by Captain AJ Andersen to oversee the construction of a yacht for a Northern European yachting enthusiast. The rest is history as WMG has continued to experience consistent measured growth in the yachting industry along with a name synonymous with quality products and services. Wright Maritime is now the undisputed world leader in large yacht operations.

WMG is the parent company for Vessel Safety Management LLC, Owner's Maritime Office LLC, Wright Seafarer Management PCC, Offshore Logistics International LLC, New Construction Technologies LLC, Wright Publishing LLC and Sapphire Seas LLC. WMG's consultant and management services include yacht design and construction, fleet operations, shipyard and refit project consultation, property acquisitions and publishing. It is a full-service company, staffed with knowledgeable veterans, who are committed to their clients and total customer satisfaction.



Challenges:

- We need to keep very high security measures as this application need to be installed at their central server
- Multi Role level user system need to be developed keeping the management hierarchy in mind
- Offline Access Model needs to be developed as the Vessels/Ships/Yatch go offline from Internet access during sailing
- Custom GUI like GIMPS
- Data base SYNC process in offline model
- SaaS, Central Access Accounting Model

The Business Problem:

Currently WMG is using an MS Excel Application that aids in the automation of their operations. The application has outlived its capacity. WMG has envisioned an execution plan. The future plan is to develop the application that can be more user friendly, capable of being sold as a product or SaaS model, with features and functions of a commercial robust accounting system. The application is built in VB and Excel Book formats which is used as in-house accounting system.

- The existing application is facing the following challenges like Security, Quick Access, File control, data storage, Data Archiving, Performance, robustness and maintenance issues.
- It's a non-desktop model application with insecurity.
- This system has major drawbacks like:
 - Data Storage
 - Insecurity
 - Data backups
 - File management
 - Offline Systems
 - Data Integration
- Automatic Backups: There is a manual backup of the database for every step of the process. This is leading to data sync problems
- The Execution of the Macros in the existing application taking more time
- The application is an Offline model leading to Data Sync Problems
- The reports are generated in plain text format with more time of execution
- There is no role based operation of the application. This is leading to security challenges.

Our Solution:

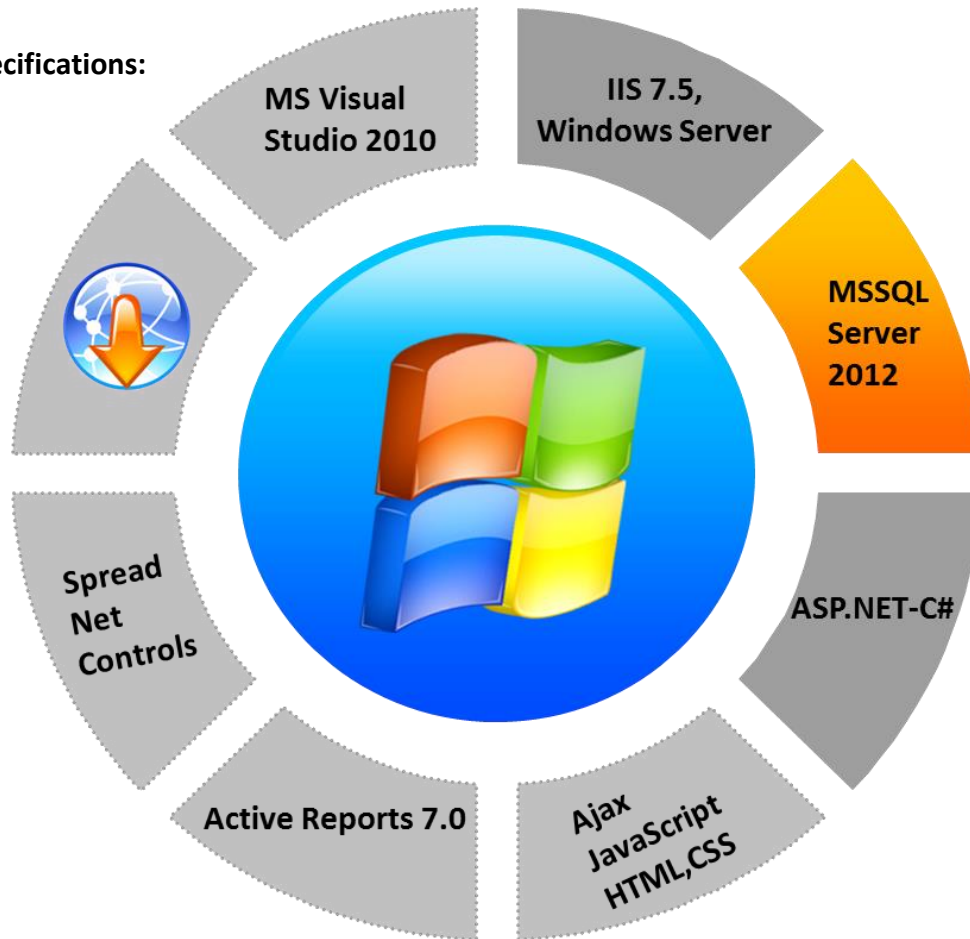


- Vensai implemented a customized Web Browser based application with functionality of a secure, user-friendly, formalized business process management, application
- We implemented online Entry/ Updating, maintenance which provides easy retrieval of complete information of any Transaction of WMG
- The tracking of Transactions can be identified as and when required.
- Up to date information on Accounting and payment particulars of employees, Goods purchasing, which makes the job of financial department easy
- Reports are generated in required formats



- Developed the Menu-Driven Programs which are user friendly and easy to use
- Implemented Event based alerting through pop up dialog boxes as applicable
- We developed the “Managed access” to the various functionalities /features, offered by WMG based on the user’s role and privilege
- We developed the Comprehensive search/querying interfaces that will facilitate users to lookup-stored data for their information and decision making requirements
- These development methodologies reduce the paperwork in the organization

Technical Specifications:



Milestones and Security Issues Covered:

- Session ID Protection
- Access Control Flaws
- Invalidated Input Errors
- Error Reporting
- Data Handling Errors



- Complete High Level Design Document (HLDD) has been done including database design, GUI Design, security features, technical requirement specifications and project execution plan
- Group Logic Implementation
- Administration Module
- Financial Management
- Vessel Management
- Payroll Management
- Goods Purchase Management
- Reports Management

Client Benefits:

1	Our client has automated all the Operational, Finance, Vessel, Payroll management etc,	Ability to Approval system through group logic model on the role based	6
2	Ability to do transaction on Offline mode and SYNC the data	Ability to use the live web-currency service for financial calculations	7
3	Ability to Custom GUI management like GIMPS, Themes	Secure Login Access to the Application	8
4	Ability to Import/Export the data transactions	Reports wizard in the application is the most appreciated	9
5	Ability to Archive large Data	Beneficial module for the client for weekly and monthly reports	10




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