

CASE STUDY

Naval ship management for Mastex MXSuite

SCOPE

The scope of the project was to increase the traceability of the regular processes of a ship and create a digital database for all the data used on a vessel in order to ease the ships management. A secondary objective was to eliminate the lag in communication between the ships in sail and the ports or headquarters of the ship owning company.

RESULTS

Substantial **decrease in maintenance** time for the ships.
More complete and digitalized records of the ships activity.
Safety issue resolved meant an **increase in the use** of the ships.
More than 3 years of service.

Over 600 ships that use the application

12 separate modules:

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|------------------|------------------------|
| ✓ MX Maintenance | ✓ MX Forms & documents |
| ✓ MX Certificate | ✓ MX FLGO |
| ✓ MX Safety | ✓ MX Office |
| ✓ MX Inventory | ✓ MX Equipment |
| ✓ MX Purchase | ✓ MX Voyage |
| ✓ MX Crewing | ✓ MX Messenger |

Mastex is currently developing a new version of MXSuite with Essensys that will include new modules and an updated interface.

ANALYSIS

Besides the specific user interface requirements that prompted very careful design and implementation of the product, another challenge consisted in the bandwidth constraints. Internet connectivity on board of naval ships is very limited and very expensive. This constraint required special algorithms to be implemented in order to minimize the bandwidth consumption to a minimum.

A particular issue with shipping is safety. Due to regulations and communication issues previous to the installation of MXSuite some ships were being used for only 6 months each year.

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When I received the first release, I was impressed with the layout and quality. I am very satisfied for the result and cooperation during the development of MXSuite. I have shown the product to a lot of people now, and most of them (95%) are impressed with the layout and nice functionality

Peter van Driel
Mastex Software BV

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software
MASTEX

Mastex Software BV is one of the most important software companies in the naval industry offering:

- ✓ Planned maintenance software
- ✓ Inventory software
- ✓ Purchase software
- ✓ Certificate manager software
- ✓ Crewing software
- ✓ Form & document control software



MXsuite



SOLUTION

The software Essensys developed for Mastex is created to ease the management of all data related activities of a naval ship. MXSuite benefits from a very simple and intuitive user interface that is very accessible to users without extensive computer experience.

The initial version of MXSuite was delivered at the **middle of 2009** and was considered a real success by the customer. By **the end of 2009**, MXSuite was already licensed on more than **100 ships**.

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I am happy that I decided to collaborate with Essensys. In the beginning, Essensys was one of the two best software companies who gave the best answers to my questions. After sending a specification for the software, Essensys was the only company who I trusted to do business with. Big plus was the detailed and well outfitted offer which I received.

After start of the project, there was a very good contact using several communication ways like the Portal, Forum, Email and Skype. The quality of questions was very high; some questions were also for me hard to think forward to the complete functionality of the software which I had never seen is sometimes hard.

I also have to mention the good way of collaboration with the development team. Especially in the last period we have discussed project issues many times and I was very happy to have a professional person to talk with, who could explain the various technical options and implications. Most of the times I had a specific idea about how something should be done through the user interface, but sometimes that is not easy to develop, and the development team was very proactive and offered alternative solutions.

I am sure in the future we will do business again together! I still have great plans for the future, and I hope we both can make them reality. Thanks to Essensys and to all who were involved in this project!

Peter van Driel
Mastex Software BV ”