



Danish Maritime Authority

- Digital Registration of Ships and Mortgages

Danish Maritime Authority



The client

A registry of ships is similar to a registry of real estate, in that it contains data on the owner, rights of access, restrictions of use, and registered debt collateral for each vessel. In Denmark, the ships' registry is managed by the Danish Maritime Authority (Søfartsstyrelsen).

DMA did all its registrations based on paper forms – and as an added service, it provided a process for coordinating multiple registrations at once, for example, when a ship was traded.

The case workers accessed an internal system based on an Oracle database that was custom-made for the purpose.

The challenges

Users of the ships' registry run the gamut from A.P.Møller Maersk A/S (the largest shipping company in the world) to small fishermen and traders of leisure vessels.

An error in the registration process could lead to the loss of huge sums of money if financing details were not registered correctly and securely and in compliance with the law.

Initially, it was assumed that the many users would not be able to produce correct data, so validation and guidance for the complex processes involved would have to reside in the solution.

This meant tough requirements for the process logic as well as for data integration with the back office system.

What Resultmaker did

- Used Resultmaker XML Factory™ to create a data model for the ships and the registry.
- Used Resultmaker XML Factory™ to generate the XML Schemas and forms.
- Used Online Consultant to design all the business processes involved in the registry of ships.
- Designed two-way system integration and transactions to create a close relationship with the Oracle database.

Results delivered

The shipping industry and its related users, including banks involved in maritime financing, now use digital signatures for ship registration, for creating mortgages, and for creating and registering collateral.

Processes are carried out quickly and without the user having to go to the DMA office to make sure that everything is duly registered.

The DMA solution is the world's first debt creation and registration system using digital signatures.

Case workers save time and will eventually not be needed at all when use reaches 100%.

The solution will be followed up in 2008 by a similar (but less complicated) solution for the real estate registry.

The whole financial sector views these solutions as fore-runners of future BPM-supported processes in their sector.

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Resultmaker is a danish company specialized in the development of intelligent software for improving mission critical business processes across humans and systems – the essence of running and developing the business of our customers.

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