

# Case Studies

## Case Study



Anglo-Eastern Ship Management Limited

Using GroupDocs.Comparison

Apol Villamor, Senior IT Manager, 13 April 2018

## About Anglo-Eastern Ship Management

Anglo-Eastern Ship Management Limited is a ship management company focusing on managing commercial ships. It helps ship owners (direct clients) to ensure ships documentation necessary for trading requirements, maintenance, voyages, staffing, regulatory conformities, legal requirement and maintenance will be operationally sound. As a ship management, it is at our utmost concerns to operate at port or at sea. This entails huge documentation such as safety manuals, crew documents, forms and reports to and from the ships to office and vice versa which requires tracking and analysis to meeting regulatory requirements and performance monitoring.

## Problem

In this kind of industry, transferring, maintaining and updating of documents to and from multiple commercial ships are enormous and complex processes. Document handling overall is a “pulling teeth” in terms of organizing, search and tracking. Therefore, IT department put forward an initiative to build a document management system (Nautic Systems) to handle document processes in more structured and efficient way.

## Solution

We, the development team in IT department, chose “GroupDocs.Comparison” to leverage as an API tool incorporated in our Nautic System providing not only on development efficiency but also a highly intuitive document comparison and changes tracking within the document versions that currently most of the controlled document is needed. This achieve the increase of efficiency for about 90% on processing the documents which eliminates back and forth revisions between processors, checkers and approvers.

Figure 1: Document version comparison

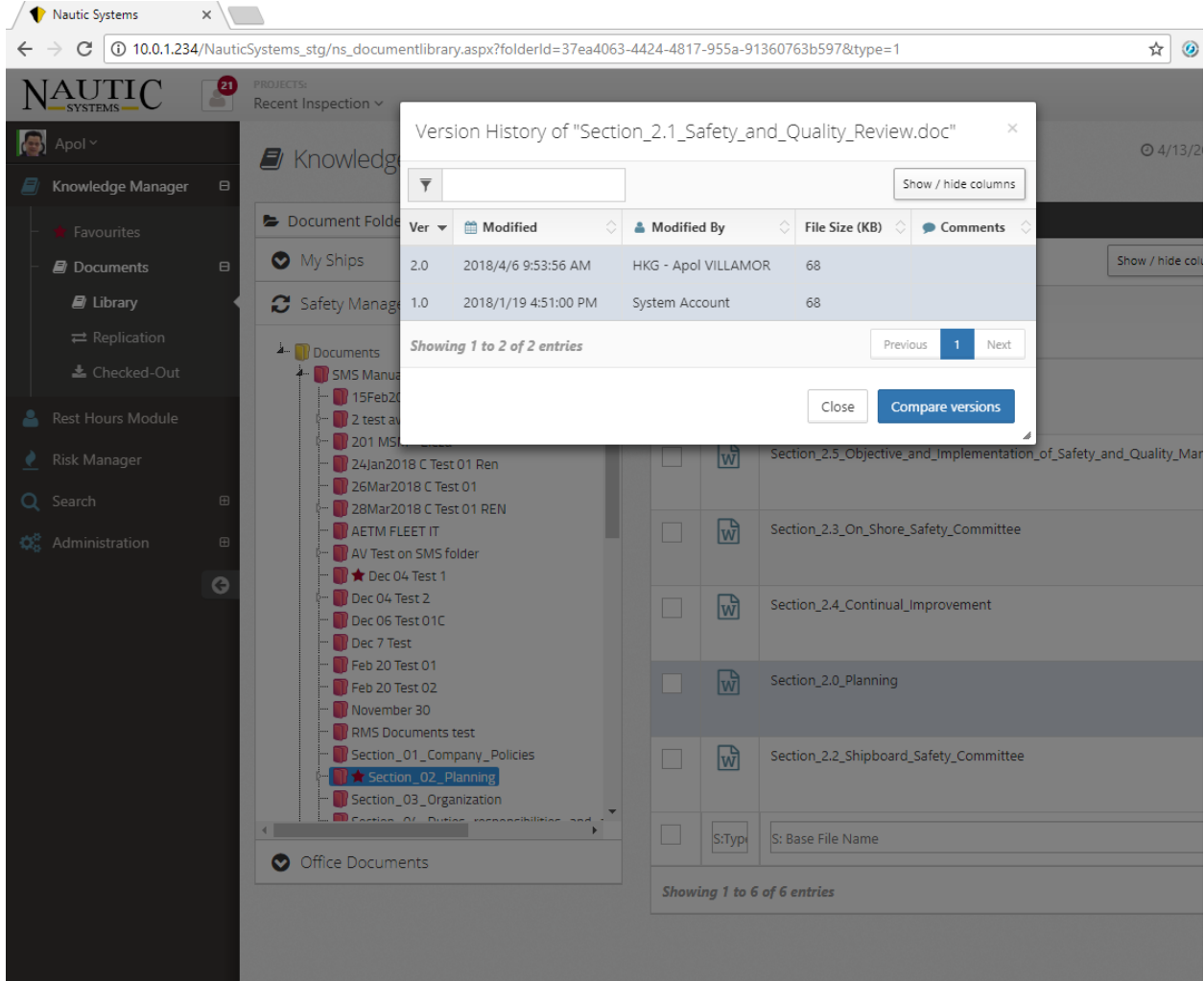


Figure 2: Comparison result

<b>Anglo-Eastern Tanker Management (Hong Kong)</b>			Issue 1	REV0	Page 1
FLEET OPERATION MANUAL			Date 01.01.2005		
SAFETY AND QUALITY REVIEW			SECTION 2.1		

**Evaluation Only. Created with Aspose.Words. Copyright 2003-2017 Aspose Pty Ltd.**

**2.1 Safety and Quality Review**

For the ~~the~~ ~~purpose~~ ~~of~~ ~~setting~~ ~~endeavouring~~ ~~achieving~~ and analysing safety and quality objectives and targets, Company has established "Shipboard Safety Committee" and "On Shore Safety ~~Committee~~".

~~These two committees will co-ordinate with each other to analyse, plan and execute reviews and audits of the SQMS to ensure that it serves its purpose and that the required improvements are implemented.~~

```

graph TD
    SSC[Shipboard Safety Committee] --> SQMS[Shipboard Quality Management System (QMS) Review]
    SSC --> OSQC[On Shore Safety Committee]
    OSQC --> OSQMS[On Shore Quality Management System (QMS) Review]
  
```

**Commented [1]:** ~~Line break was inserted.~~

**Commented [2]:** ~~Line break was inserted.~~

**Commented [3]:** ~~Shape was deleted.~~

## Experience

Our development platforms (.Net) truly matched with the GroupDocs API providing the complete document solutions and tools delivering core requirements of the business-user. GroupDocs are very lenient to provide a temporary license to be used for development testing without the trial limitations. The support response turn over to our query is swift and friendly and willing to give ample time to fully test the product until it reaches our satisfaction. They are not going to push you to pay until we are satisfied with the result and expectation. Since the initiative has a very limited time to market requirements, other products are not being benchmarked as GroupDocs alone can provide all we need.

The development time incorporating the API took us a week to complete, although meeting some of the challenges like generation of comparison results for certain document format. However, the technical support quickly responded to our technical enquiries which the issue has been resolve on the right time.

## Next Steps

We will be utilising other product such a search, annotation and water marking of controlled documents and manuals in the next version and same will be incorporated in the Nautic System. Also, GroupDocs.Comparison roadmap to expand its functionality on comparing various documents across different storage locations.

## Summary

Developing document management for maritime industry is quite challenging, it involves uncommon work places such as the ships that is continuously moving around 4 oceans. Transferring of documents across multiple ships coming from various offices (back and forth) requires functionalities that provides efficiency on the processes in a reasonable and timely fashion. GroupDocs bridges that gap by providing useful and powerful API to deliver the document functionalities necessary to provide a quick and timely response to the ships operations that is the lifeblood of our business.