SERTICA
BY RINA

Get ready for **future regulations**

The shipping industry's guide to ensure environmental compliance.

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Introduction

In an ever-changing regulatory environment, shipping companies must continously adapt to new rules and regulations.

In particular, environmental requirements are something shipping companies must deal with. Outdated procedures and unstructured fleet management make it difficult to comply with these regulations.

Several initiatives have already seen the light of day, and there will, undoubtedly, come many more regulations in the future that aim to lower the shipping industry's impact on the environment. Consequently, you need to prepare your setup now, so you are ready to face tomorrow's challenges and green regulatory adjustments.

So let's dive into it and see how you can keep one step ahead of future environmental regulations (without heavy investments).

01
How digital solutions **can help you meet future requirements**

An IMO GHG study from 2020 estimated that total shipping emitted 1,056 million tonnes of CO_2 in 2018, accounting for about 2.89% of the total global anthropogenic CO_2 emissions for that year.

Consequently, evolving international and regional environmental laws are driving stricter requirements for vessel efficiency and environmental performance. You must ensure that you are up to date with legislation and regulations to not end up in a situation where your vessel no longer meets the authorities' requirements. It can be a costly affair if this happens because it can force the ship to stay in port until it meets the requirements.

All these new policies will require a higher amount of registration and documentation in the future. Therefore, the future of shipping requires a focus on digitization and optimization of protocols and fleet management, and data will be a cornerstone in achieving compliance.

We know that more regulations are coming in the future. Therefore, the best course of action is to start collecting and structuring data as soon as possible, so you are ready to meet the new regulations when they take effect.

By doing so, you can gain a competitive advantage and continuously stay ahead of environmental regulations.

02

Comply with **IHM** requirements

As concern about various environmental issues increases, so too does the focus on registering hazardous materials onboard ships. That is why keeping an inventory of hazardous materials (IHM) is now a requirement.

IHM is a document that identifies, locates, and quantifies hazardous materials onboard a vessel that can pose a risk to the health and safety of people or the environment.

IHM follows IMO resolution and EU regulation and is a mandatory requirement for ships that are equal to or above 500 Gt.

But completing an IHM is only the beginning of compliance – it is the shipowner's responsibility to ensure that the inventory always complies with the regulations.

Using a digital solution to document IHM will make it much easier to ensure compliance. Implementing a Fleet Management System entails several advantages such as:

- Management of certificates

- Support of IHM related procurement processes

- Optimal maintenance management concerning IHM

- Less administrative work for preparation and maintenance of IHM

- Control of inventory and reporting

- Dashboard overview

03

Achieve **high standards and increased transparency**

Digitizing your internal processes enables you to lower the costs of documenting, sharing, and analyzing data.

In addition, transitioning from a paper-based system to a digital all-in-one solution allows you to manage and control your fleet efficiently, thereby achieving reduced costs, improved efficiency, and compliance across your entire fleet operation.

We all know that tasks vary from the engine room to the head office, but it is important that everyone collects their information in one place and follows the same procedures.

For instance, the accessibility of up-to-date manuals helps everyone in the organization follow procedures and guidelines, thereby ensuring high standards and stability. Access to these manuals can also reduce accidents and increase safety levels because everyone is informed about procedures.

Other advantages include:

- Data Analysis Tools

- Management reporting

- Knowledge sharing across the fleet

04

Optimize **performance**

All shipping companies have one thing in common: the desire to achieve high quality fleet management with high availability.

Unfortunately, many fleet managers often rely on multiple, incompatible solutions to optimize performance. With the right digital solution, you can easily plan, execute and monitor the entire process in one single system.

By digitalizing your fleet management procedures, you gain a competitive edge by having easy-to-manage systems that enable you to meet current and future regulations quickly and flexibly

Optimize and structure Fleet Management with:

- Master Data Management

- Centralized Inventory Control

- Unified Document Management

Structured fleet management means fewer detained ships, more efficient workflows, and a compliant fleet.

05

Reduce the **administrative burden**

The shipping industry faces increasingly complex regulations. This means it needs to have internal procedures and guidelines that help to ensure it remains compliant at all times.

Unstructured safety and quality management onboard your ships make it challenging to comply with the rules and regulations required by the authorities.

Although maintaining compliance is an essential part of maritime operations, too many shipping companies spend unnecessary resources and time keeping up to date with regulations. Using a Fleet Management System, shipping companies can maintain an efficient fleet safety program with minimal input.

HSQE software helps to reduce the administrative burden and helps to ensure efficient day-to-day work procedures.

With an efficient HSQE system, you can:

- Ensure compliance with current regulations

- Ensure you have an overview of changes in the organization

- Get a solid overview to help you with continuous improvements

- Improve safety and minimize accidents

- Achieve a healthy safety culture

The HSQE system enables you to keep your fleet in total compliance with rules and regulations, which means no detained ships and more efficient workflows.

Digitalize **your fleet**

SERTICA is the ultimate all-in-one solution for ship management, providing digital tools for maintenance, procurement, HSQE, crewing, performance, vessel reporting and electronic logbooks.

Our software is developed in close co-operation with leading shipping companies worldwide and onboard more than 3000 ships. **SERTICA** allows ship operators to optimize performance, increase transparency and improve data management.

But **SERTICA** is more than just software. We offer solid technological platforms with a proven track record complimented with proper training, implementation, project management, support and integration to third party software.

SERTICA is developed by **RINA Digital Solutions** headquartered in Aalborg in Denmark and supported by more than 200 offices in the world.

We believe in collaboration and partnership, and we know that the right support makes all the difference in the world. That is why we make it our business to go beyond what is expected.

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