



**CMA SHIPS**

## **The consumption modelling in the service of the follow-up of the container ships performances**

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## **SUMMARY**

In addition to the increasing regulatory pressure on the exhaust emission the wide variations of fuel prices as well as the delicate environmental situation in the world have raised several questions about shipping companies' consumption of hydrocarbons. Greenhouse Gas emissions have since become an important monitoring factor of internal policies. They are even more important who is deeply involved in the reduction of CO2 emission (target of reduction by 50% between 2005 and 2015).

To tackle this problematic, CMA Ships, the CMA CGM subsidiary in charge of managing the fleet in property and bareboat vessels, has launched several projects to control and reduce the consumption of fuel of its container ships. These projects include a tool that follows the daily consumption.

This presentation shows the upgrade and update work carried out on the initial model released in 2012, which was presented during ship efficiency seminar in 2012, based on recent voyage data. Afterwards, an application to determine the performances of the float ships during its life cycles was done.

We will present the adopted approach, the assumptions made, the results obtained as well as the tremendous applications.



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