Lower your vessel fuel consumption
by utilising high quality ocean current data
and a smart biofouling prediction online service

DHI Current Sea API

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Are you struggling to ascertain the correct speed of your vessels due to inaccurate vessel speed logs?

Do you want to optimise route planning to save fuel and plan accurate arrival times at ports?

Are you looking for ways to predict the extent of biofouling on ship hulls to save fuel costs?

Imagine

Saving fuel is key to reducing operating expenses in the shipping industry and meeting increasing regulatory requirements. High fuel consumption is often the result of relying on inaccurate ocean current data. It can also be due to extensive biofouling on ship hulls, leading to increased fuel use. With a new service in the market, you can be on your way to achieving better fuel efficiency in no time.

Optimise fuel consumption

With an ocean current data service, you will be able to use fuel more efficiently than before.

Predict biofouling on vessel hulls

Based on hourly positions of the ship and other factors, our biofouling service can predict the extent of biofouling on ships.

24/7 online access

Both the DHI Current Sea API and smart biofouling service work online 24/7.

Fuel savings of up to 5%

A recent project funded by the European Space Agency has shown that using DHI's current data can result in substantial fuel savings.

Our solution

DHI Current Sea API is a new subscription-based online service providing high quality current data based on integration of satellite measurements and the best hydrodynamic models in the world. This can optimise route planning and fuel consumption, leading to reduced operational expenses for your business. This is how it works:

- The ocean current data are provided from a large set of accurate regional current models combined with global oceanographic and tidal models integrating satellite altimetry.

- It delivers hourly information on currents five days back and five days ahead in time globally.

- In addition, our DHI Current Sea Biofouling API is a smart model that provides accurate estimates of the amount of biofouling on a ship based on its whereabouts in the past.

- Both current data and biofouling data are delivered through an Application Programming Interface (API) – no additional hardware or software installation is necessary.

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