



Success Stories

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Virtual Drive: Document Manager

Search, process and analysis of high-volume data in real time with the Mototech Group Big Data platform.

The Requirement

- Searches the content of client's documents.
- Improvement of user experience, reducing the time spent searching their scans.
- High availability of the solution.

Why Virtual Drive?

- Virtual Drive was implemented in order to offer a high added value service to clients.

Achieved Results

- Virtual Drive centralizes, contains and offers indexation and search services to each application of its clients.
- The clients execute searches on metadata and/or the content of scanned documents.
- The clients define their own types of documents, metadata and filters.



The Business

In 2014 Global Fishing Watch, <http://globalfishingwatch.org/>, started as a project of Skytruth. In 2017 it became its own entity as an NGO. Global Fishing Watch enables anyone with an internet connection to see fishing activity anywhere in the ocean in near real time — for free. Their aim is to help save the oceans from damaging overfishing by taking advantage of machine learning and big data tools. Media, outreach impact, technology support and funding provided by project partners Oceana, Google and the Leonardo DiCaprio Foundation.

The Problem

GFW had two main challenges that Mototech helped resolve: first was to organize a distributed team located in US, Europe, Asia, South America and coordinate the work among the multiple partners; second was finding ways to improve the data orchestration, since GFW handles more than 10TB of data so they could monitor and report fishing violations in near real time.

The Solution

GFW now tracks the movements of fishing boats worldwide thanks to the radio signals broadcast by the Automatic Identification System, known as AIS. By utilizing the big data tools provided by Mototech Group, they monitor the various statistical layers (restricted fishing zones, vessel locations and other key parameters) and once a violation is detected, an alarm is issued to the authorities allowing for a worldwide vigilance.

Benefits

Prior to solution implementation, there were scarce resources to monitor global over fishing with actual catch size underreported and accurate fishing locations a common problem. When Global Fishing Watch selected the Mototech Group as a solution partner, we brought immediate worldwide focus to this issue with our big data technology platform and advancements that led to a highly accurate reporting system, dramatically improving the protection of worldwide fishing grounds for future generations.