



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

The Colombian Geological Service or SGC (formerly INGEOMINAS), is an agency attached to the Ministry of Mines and Energy, responsible for conducting the study of natural resources and the dangers they could pose. As a consequence of the change in nature, the Colombian Geological Service aims to carry out basic and applied scientific research on the potential of subsoil resources; advance monitoring and monitoring of threats of geological origin; manage the information of the subsoil; ensure the safe management of the nuclear and radioactive materials in the country; coordinate projects of nuclear research, with the limitations of Article 81 of the Political Constitution, and the management and use of the Nation's nuclear reactor.

The Problem

The National Seismological Network of Colombia or RSNC is part of the disaster prevention and response system, and is responsible for providing information on seismic events in the country. This network has many sensors distributed throughout the national territory and the integration of the information provided by these sensors, both for prevention tasks and forensic indole, was very difficult to achieve in real time since the platforms' data storage did not provide real-time access to the information.

The Solution

The solution was to implement Mototech Groups Big Data engines on their database containers to facilitate the entry into the information immediately and efficiently for real time evaluation.

Planned Benefits

The main benefit was to be able to interrelate the data of the multiple sources of information for the quick decision making in case of worst possible events that could generate an alert, as well as to be able to correlate all the historical data with information in real time. This solution has life saving advantages.