

Whereoil 4

Bring your data into focus



**WHEREOIL**

# Introducing Whereoil

**Whereoil is an advanced data integration platform that enables oil and gas professionals to search, access and connect diverse data and boost the value and productivity of their assets. Whereoil makes it easy to connect to multiple data sources, preview files and documents, view spatial data and document information on a map, search the content of your documents using keywords and design user-defined dashboards.**

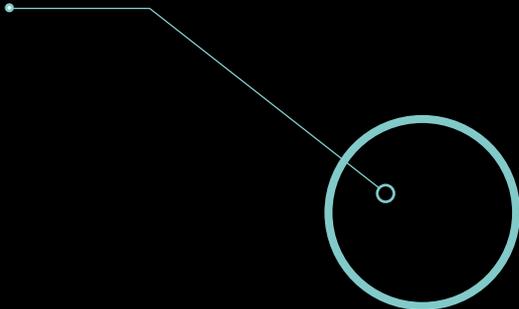
The Whereoil environment features a powerful search engine that cuts across traditional discipline and data boundaries to unify corporate or national data assets. Users can easily switch between an overview for locating information and a focused view for examining results in detail.

Whereoil enables you to search, access and connect all your data, from seismic traces to relational databases and unstructured reports, and to combine this with information loaded directly by users and data managers. This improves the speed and accuracy of your decision making across the business value chain.





**Whereoil** is much more than a powerful search engine: it also offers effective solutions for automated data loading and efficient storage



# Power and flexibility

## ○ Base

The Base is where data administration takes place, metadata from all data sources is kept, and authorization is enforced. It provides the single point of access where users search and preview the gathered information before downloading it.

## ○ View

The View module enables users to preview and inspect logs and seismic data files and a variety of standard file formats to quality control content and decide on its relevance. In addition to standard industry formats, (LAS, LIS and DLIS log files; EBCDIC and trace headers for SEGY), Whereoil also handles Microsoft Office, picture files, and Adobe PDF.

## ○ Load

The Load module allows Corporate and National Data Repository customers to maximize loading efficiency for individual files or batches. It does this by applying defined corporate rules to organize the data into predefined structures. Information is stored, managed and entitled in Whereoil Base, making Whereoil a self-contained solution that provides a fully functional data repository for Corporate and National solutions. Whereoil can also sit alongside and connect to data stores and operational file systems from other vendors.

## ○ Connectors

The Connect modules link Whereoil to the data stores and file systems. They include:

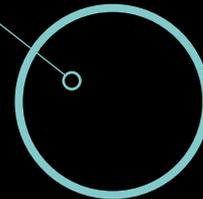
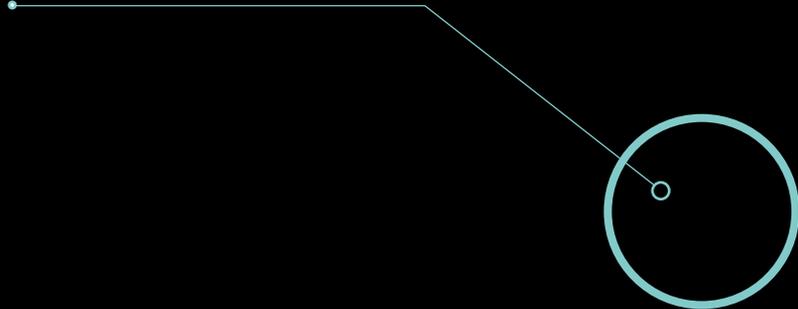
- Connectors to proprietary data sources, e.g., Petrel, OpenWorks and IHS Kingdom.
- Connectors to files on network shares and document management systems. These can open structured and unstructured data documents, recognize the content, then create metadata/tags so you can search and filter by keyword or geographical location. For logs the connector performs rule-based analysis to create QC flags.
- Custom connectors for any database or spreadsheet to allow migration of legacy data repositories and synchronization of stand-alone data sources.

**Whereoil's modularity makes it a powerful and scalable tool for data integration. The Base module is the foundation of Whereoil functionality and a required module in any solution setup. Powerful additional modules can be installed on top of the Base module.**





**Whereoil** enables oil and gas companies of any size to manage their corporate datasets and index all of their corporate data stores, file systems, drilling and production data across multiple locations and countries



# What Whereoil can do for you

Whereoil is a flexible solution that works at the scale you need: whether that is a local installation for a single business unit or a global solution delivering data integration across every office in a multinational corporation. Whereoil makes searching and connecting data simpler and more powerful than ever before. Whereoil is much more than a powerful search engine: it also offers effective solutions for automated data loading and efficient storage.

# Enterprise solutions

Decisions in the oil and gas sector generally involve consulting disparate data from multiple discipline silos across the organization. Some of this data is highly sensitive, so ensuring that access is restricted to authorized users is a key requirement. Whereoil provides multiple levels of

access control and security, granting permissions to users based on their roles and privileges. This flexibility protects sensitive information while making a diverse pool of data available to the authorized users and empowering collaborative workflows.

[Click to link to case study 1>>](#)

An enterprise data repository for enhanced overview and control



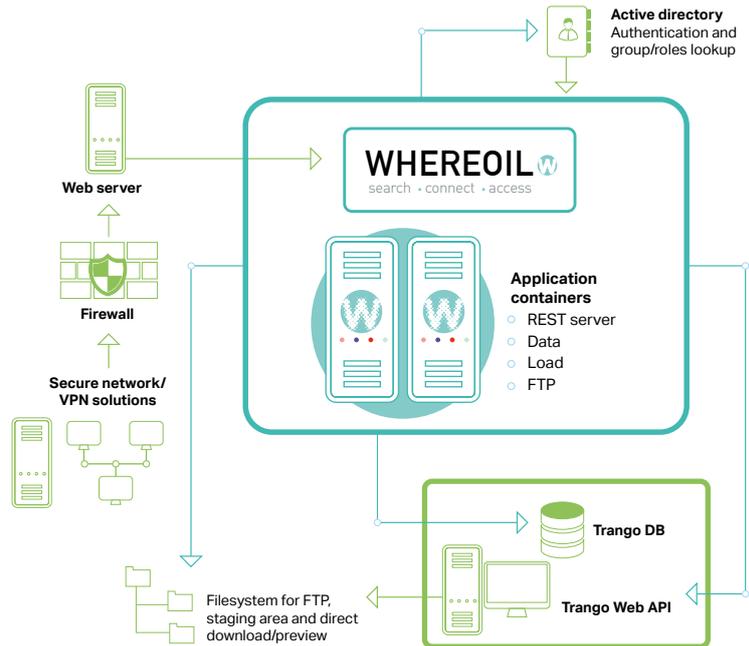
# National data repositories

[Click to link to case study 2>>](#)

Diskos: A transparent data environment for Norway

Nations can attract oil and gas investment by providing transparent information and data management environments. These typically conserve and manage access to key exploration and production data. Whereoil delivers these functions securely, while enabling cooperation including exchange and purchase of data between operators, partners and government agencies in line with national regulations.

Whereoil functionality is built around the effective management of security and data entitlement. Whereoil service modules make it easy to trade and order data, analyze license ownership and integrate with third-party repositories.

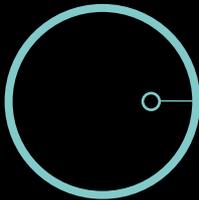


Since 2015 Whereoil has been a core part of the Diskos NDR. Diskos NDR is managed by the Norwegian Petroleum Directorate and contains 5 PB of seismic and navigational data, 6 TB of well data, and a significant amount of production data. Data is added and traded daily as part of the Diskos setup.





Norway's national data repository, Diskos, relies on **Whereoil** to receive new data from member organizations and to publish and present the data to all Diskos partners





## Search: Find more data and find it faster

Whereoil provides support in every stage of an oil and gas project. For end-users projects generally start with data searches to locate information relevant to their task. Whereoil simplifies the search process because it can connect across a variety of data types and sources to provide a more comprehensive picture of the search subject. Unstructured data is an increasingly important resource for many organizations and Whereoil adds significant value and knowledge by linking unstructured information to associated structured information or locations.

Whereoil enables users to apply specific filters to find the data they need. The options include:

- Keyword searches that match metadata or document content.
- Geosearch by area of interest (AOI) that identifies all available data within a specified geographical location, such as a production license or exploration area. AOI searches can be saved for future use.
- Advanced searches built using multiple search terms and filters, that can be saved and reused.

**Traditional searches rely on the text in headers or file names, but Whereoil users can search and filter all structured or unstructured data geographically by assigned latitude and longitude or by keywords that are present in the metadata or document content.**



## Access (Identify): Making sense of your data

Users can highlight the information they want in tables and on the map interface and then filter the results to focus on what is most important to their current task. Whereoil can standardize data management operations while respecting the differences between discipline

domains and accommodating source-specific data structures and requirements. Work processes, rules, relationships and governance are built in to ensure data consistency and quality. Users can also subscribe to data feeds that inform them when new data is available.

## Quality data, quality results



Quality control of the data is a key task before interpretation begins. Whereoil's built-in viewer makes it easy to preview documents and data. The new Log View module supports standard log displays and presents quality flags based on pre-set QC rules.

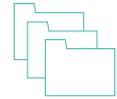
The QC flags feature helps users understand the limitations of the data, assess its quality and identify places where there may

be issues. QC flags are created during loading or when Whereoil locates new well data and logs.

The viewer supports older file types, such as scans of printed documents, and newer file types such as directly generated PDFs. Document content can also be scanned for geotagging and georeferencing and provide key knowledge and lessons learned.



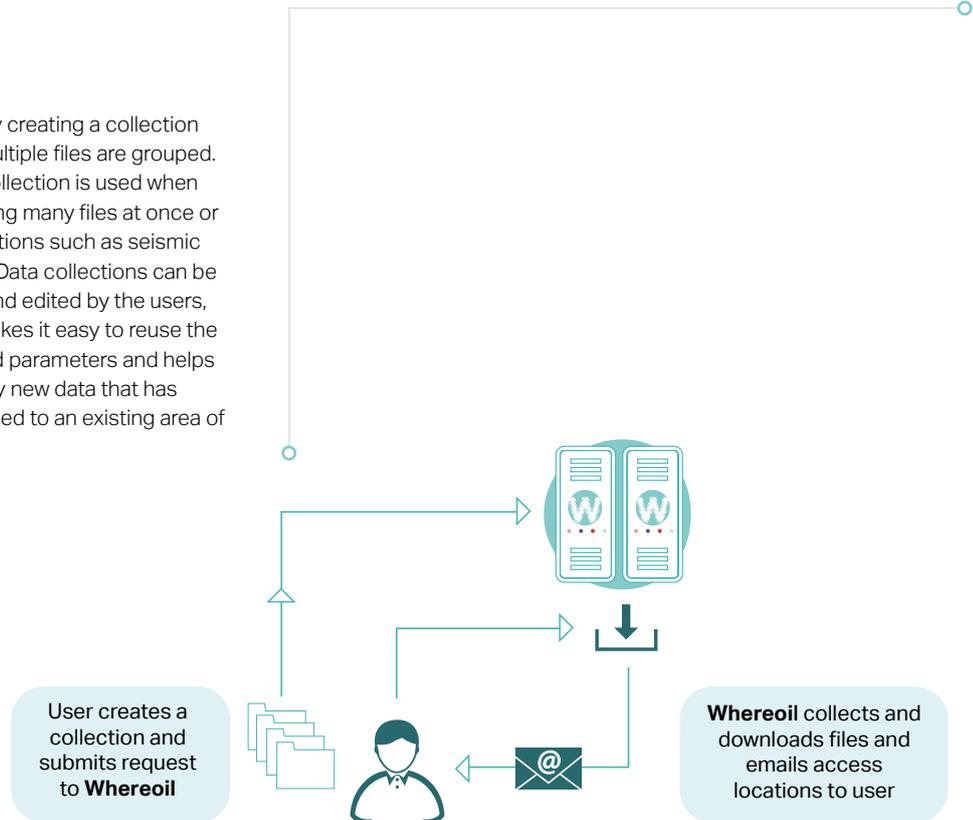
# Collect and download: Accessing the content of your data files



Users download and access the content of their files by collecting the data. This can be done in various ways and the most effective option will depend on the size and number of files to be collected.

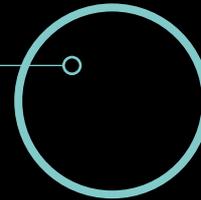
The collect and download functionality is customizable and can be implemented as a right click download for small

files or by creating a collection where multiple files are grouped. A data collection is used when processing many files at once or for operations such as seismic clipping. Data collections can be shared and edited by the users, which makes it easy to reuse the download parameters and helps to identify new data that has been added to an existing area of interest.





**Whereoil** adds significant value and knowledge by linking unstructured information to associated structured information or locations



## The people behind Whereoil

KADME is a technology leader in data integration. Our team has extensive experience in the oil and gas sector, and data management solution design. We have been delivering industry-leading solutions since 2002.

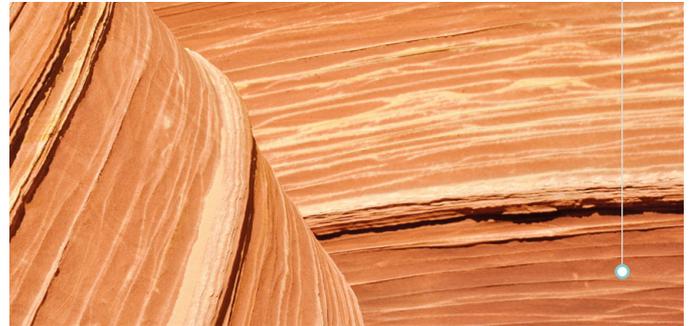


## Why we developed Whereoil technology

We developed Whereoil to enhance the value that organizations derive from their data assets. Our aim is to make it easier to search and extract information from multiple sources and file systems, including structured and unstructured data, inside and outside the organization's firewall.

Whereoil is already an established tool for oil and gas companies around the world. It has the capability to transform data integration and greatly increase data asset value.

Our success is based on excellent technology and the outstanding skills and experience of our team.





Knowledge and data management expertise

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