

# Compass Enterprise

Spatial data discovery for better  
productivity and fast, informed  
decision-making

# Compass Enterprise

**Having access to the right information is crucial to effective decision-making in any business. Compass Enterprise facilitates access to this information across the entire organisation, resulting in significant cost-savings and increased productivity.**

## **Why do you need to manage your data?**

As haystacks of information grow larger and the needles ever smaller, the search for critical information becomes increasingly difficult. The problem for organisations is not the lack of information: it is the overwhelming volume of information and the ability to manage it effectively.

Unfortunately, the problem is not solved by simply using a search engine on the Internet or local intranet. To be sure that you have the right information, you need a system that provides facts, or metadata, about the relevance of the data. You also need a system that can accommodate many different types of data and present the relationships that exist between them. That's how you turn data into information.

Data discovery is also enhanced through the use of location intelligence, with non-technical users benefiting from embedded complex technologies. By applying a geographic location to information, a gateway is provided through which location related data can be accessed quickly and reliably.

Most companies recognise the strategic importance and high value of their data. Yet, although most organisations have systems for managing some groups of data, few can manage the complexity and volume of all the available data. Nor can they respond to constantly changing requirements and standards. Good data management leads directly to better productivity and faster, more informed decision-making. When your personnel can reliably access the right information at the right time, the benefits are large and can profoundly change the way your business operates.

## Key Features

Compass Enterprise is an enterprise-wide data management system suitable for all forms of electronic and physical data, with specialised features for handling geospatial databases. Managing and accessing documents and data is unified and simplified across the entire organisation, regardless of the employee's role or location, or the nature of the data.

- Enforces corporate policies
- Reduces costs
- Breaks down the barriers to data sharing
- Adapts to your changing requirements

## Enforce corporate governance policies

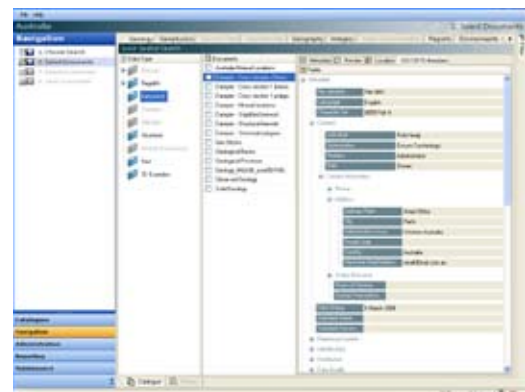
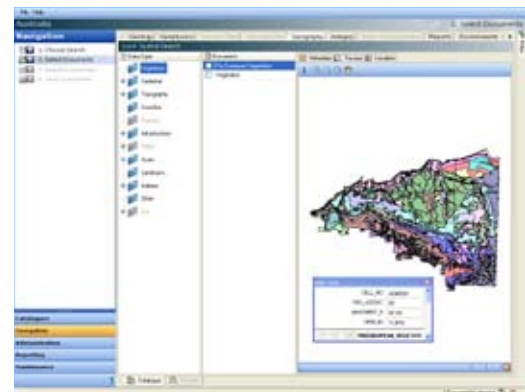
Compass Enterprise provides a sophisticated data management framework through which corporate data policies can be systematically implemented and enforced. This is achieved by maintaining detailed audit trails and processing histories for all forms of data, and by employing industry standard data security measures to protect the integrity, copyright, and confidentiality of all your business-critical data.

## Reduce your operating costs

The cost savings associated with the implementation of an effective data management solution are well understood, and are largely realised as a direct consequence of the implementation. Typically, you can expect to realise savings and improve efficiency by reducing the duplication of data, by eliminating data loss and the consequential cost of data re-acquisition by improving access to data. Savings are also achieved by removing in-house development and utilising off-the-shelf software.

## Boost productivity

Think about the time wasted when data is lost, cannot be located, or is of uncertain quality or reliability. It impacts not just the individual who is acquiring, managing, processing, or extracting the data, but cascades through the organisation as the problem is identified, analysed, and (hopefully) resolved. There are also productivity spin-offs for remote offices sharing local data and efficiently accessing global data assets. And, by eliminating problems and aggravations in the workplace, collaboration and teamwork is promoted across the entire organisation.



| Name                     | Type                  | Description               |
|--------------------------|-----------------------|---------------------------|
| 1036_minlog_n            | File System           | MapInfo Table             |
| <input type="checkbox"/> | Apply Metadata to All | MapInfo Table             |
| <input type="checkbox"/> | Remove From Catalogue | MapInfo Table             |
| <input type="checkbox"/> | Remove                | MapInfo Table             |
| <input type="checkbox"/> | Clear All             | MapInfo Table             |
| <input type="checkbox"/> | 6757DEPL              | File System MapInfo Table |
| <input type="checkbox"/> | 6757DEPP              | File System MapInfo Table |
| <input type="checkbox"/> | 6757DRLL              | File System MapInfo Table |
| <input type="checkbox"/> | 6757DRLP              | File System MapInfo Table |
| <input type="checkbox"/> | 6757DYKA              | File System MapInfo Table |

## The Hidden Costs

It is almost impossible to define the value of good data management systems, although studies have demonstrated that there is an undeniable cost to organisations in having poor systems in place.

- Studies have shown data searchers can spend from 15% to 35% of their time searching for information.
- Data searchers are successful in finding what they seek 50% of the time or less.
- Only 21% of data searchers find the information they needed 85% to 100% of the time.
- 40% of corporate data searchers report that they can not find the information they need to do their jobs.

*Source: Susan Feldman, Research VP, Content Technologies, IDC*

## How can we help you manage your data?

Compass Enterprise is a complete data management solution for all forms of data including spatial, non-spatial, and physical data. And because it can be utilised by all employees, regardless of discipline or technical ability, Compass Enterprise delivers significant cost savings and productivity gains.

Compass Enterprise is specifically designed to exploit the geographical or spatial context of data. Compass Enterprise automatically recognises the geographical position and extent of spatial data (cadastral surveys and satellite images, for example) and allows non-spatial data (reports, financial data, presentations, photos, and multimedia files, for example) to be catalogued with a spatial reference—that is, a location on the earth's surface. When this spatial reference is combined with conventional metadata (date, status, format, source, and such), the business processes by which information is managed and extracted are transformed.

Compass Enterprise supports both flat and hierarchical ISO-compliant metadata structures. The metadata is used to record the purpose, history, usage, format, and context of the data, with which the user is assured of its authenticity, source, and suitability.

Compass Enterprise also has powerful spatial searching capabilities, which all users can utilise through an intuitive map-based interface. So, in addition to searching for data by its metadata, data searchers can restrict searches by geographical boundaries, regions, and features.

By creating a single point of entry to the entire corporate data store, Compass makes it easier for organisations to understand what data exists, where it is located and what restrictions apply to how it can be accessed. Apart from maximising the value of your existing data by making it more accessible, Compass also saves costs by avoiding unnecessary duplication of data and the even higher cost of re-purchasing or re-acquiring data.

What is the Spatial Extent?  
Spatial Reference



Where is it?  
Dataset Location

What is it?  
Metadata



## How do we find it quickly?

A single item or a group of items can be quickly identified from thousands or millions of catalogue entries by using a combination of search methods:

- Locate data spatially using tools within a simple mapping interface.
- Filter data with user-defined search criteria based on its metadata values.
- Search for data that is contextually associated with a geographical location, feature, region, or boundary.

Many data management systems are unable to reliably find all related documents because of inconsistent metadata. But Compass Enterprise enables metadata values to be validated from centralised pick-lists, which ensures that if the data exists, you will find it.

## How do we provide easy access to all users?

Compass Enterprise employs an intuitive interface that allows non-technical users to perform complex searches without any knowledge of SQL or other cryptic search languages.

Catalogues can be created on local, regional, or global servers, which users can access from a Desktop interface installed on their personal computer, or they can use the Internet browser interface when they are working away from the office. And, when working remotely without a network connection, users can take the office with them by creating special-purpose, off-line catalogues.

In excess of 150 spatial formats and many more commonly used non-spatial formats, such as PDF and Microsoft Office documents are supported. This allows most documents to be previewed from the Compass interface without the need to install the native application on the local computer or download the source files from the server.

## What data types can we manage?

The first involvement that an organisation has in data management is often focused on a particular discipline, such as facilities management or remote sensing. And when the focus is narrow, the metadata is usually also narrowly specified within that particular discipline. This makes it difficult to manage other data types. For example, most GIS data management systems focus on mapping data, so how are other types of data, such as maintenance reports and financial reports for related assets, managed?

With Compass, you can manage the complete life cycle of a project—from application through evaluation to development—including all the different types of data acquired and generated at each stage. Imagine being able to quickly identify and locate every piece of data associated with a particular lease area, including field logs, core samples, assay results, surveys, spreadsheets, models, studies, applications, approvals, photographs, and more. With Compass, all of these can be geo-referenced and spatially searched.

Compass allows you to effectively manage all data types and for it to grow as you grow by accommodating new requirements and supporting the ever changing data standards.

## Data types supported by Compass Enterprise

- GIS
- Documents (file system, SharePoint)
- Imagery
- CAD data
- Cadastre
- Archived digital data
- 3D models

## Spatial Databases

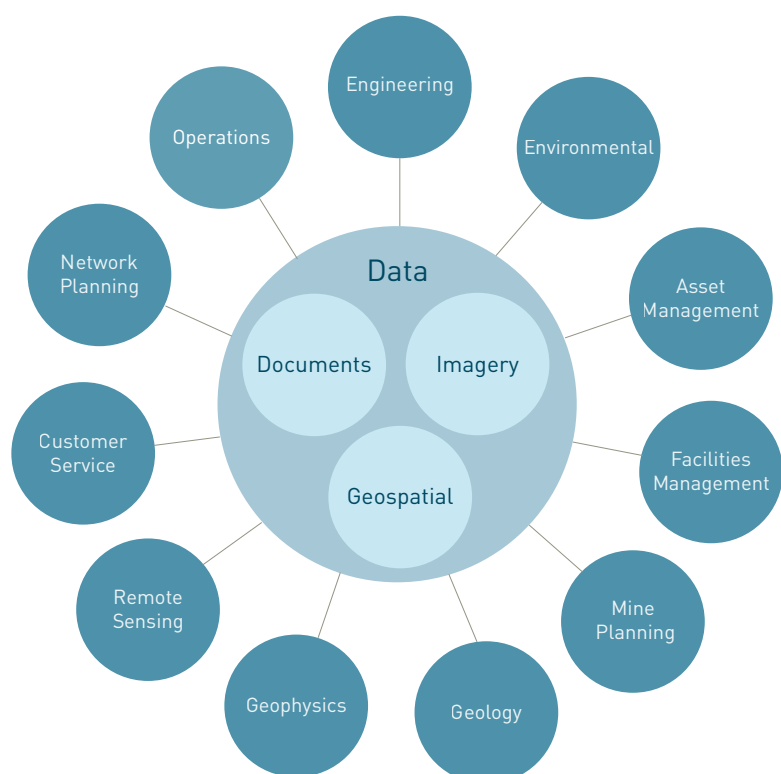
- Microsoft SQL Server 2005 & PDBI SpatialWare
- Oracle Spatial
- ESRI ArcSDE

## Metadata Standards

Until the development of the ISO 19115 Metadata Standard, there had been no unifying set of metadata elements that could be used as the basis for the development of national metadata standards.

Many countries have now adopted metadata standards for the description of geographic data based on the ISO 19115 Metadata standard. Compass supports the implementation of these standards:

- ANZLIC
- GEMINI
- FGDC
- GMO3



# Compass Enterprise Family

## Compass Master

Compass Master is central to the Compass Enterprise data management suite. Compass Master manages the system configuration and Compass catalogues. Other products in the suite connect to the Compass Master database to enable searching of the catalogues managed by the Compass Master application.

## Compass Voyager

Enables searching of the Compass catalogues from a web browser. This opens the spatial searching functionality to an entire organisation. Users in the local environment can send data to their local application, or alternatively, use the embedded download process to access datasets from remote locations.

- Web-based client
- View multiple distributed catalogues
- Spatially search for data
- Preview formats
  - > MapInfo TAB
  - > ESRI SHP
  - > TIFF, SID, ECW, JPG, JP2, J2K, GIF, BMP, PNG, PSD, WMF, EMF image files
- Review metadata
- Download data to remote locations

## Compass Navigator

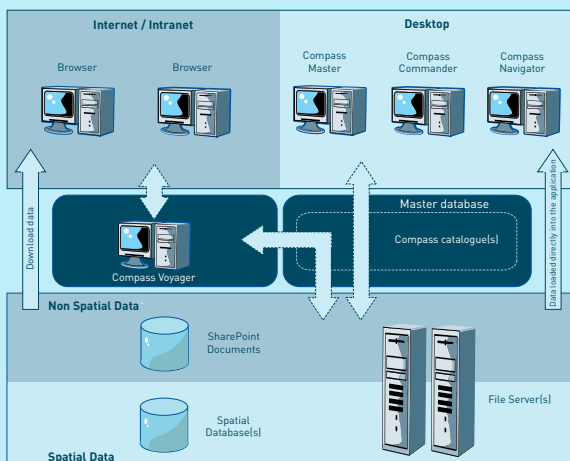
Enables users to search against any number of Compass catalogues, report the search results, and open the returned datasets or documents. Users can also propose documents for cataloguing.

- Desktop client
- Spatially search for data
- Preview 150+ supported spatial data formats
- Make data available offline
- Propose data for cataloguing
- Review metadata and generate reports

## Compass Commander

In addition to the features of Navigator, Compass Commander allows data administrators to customise and perform maintenance operations on Compass catalogues and approve proposed catalogue entries.

- Create user-defined classifications
- Create customised metadata templates
- Review proposed catalogue entries
- Batch update metadata



## Compass Enterprise Architecture

**Master database.** Stores the connection parameters to core and optional Compass components, such as Compass catalogues and SharePoint services. The Compass master database is managed from the Compass Master application.

**Compass catalogue.** A relational database that stores the catalogue structure, metadata schemas, data location, and field values for all the datasets that have been catalogued.

#### **United States**

One Global View  
Troy, NY 12180  
+1.800.327.8627  
pbbi.sales@pb.com

#### **Canada**

26 Wellington Street East  
Suite 500  
Toronto, ON M5E 1S2  
+1.416.594.5200  
pbbi.canada.sales@pb.com

#### **Europe/United Kingdom**

Minton Place, Victoria Street  
Windsor, Berkshire SL4 1EG  
United Kingdom  
+44.1753.848.200  
pbbi.europe@pb.com

#### **Asia Pacific/Australia**

Level 7, 1 Elizabeth Plaza  
North Sydney NSW 2060  
+61.2.9437.6255  
pbbi.australia@pb.com  
pbbi.singapore@pb.com  
pbbi.china@pb.com

[www.pbinsight.com.au](http://www.pbinsight.com.au)

