GEO ASSET EXPLORER

Developed by CB Technologies

Asset Management can be defined as the optimal management of physical assets in order to extract maximum value. This practice has traditionally centered around the gathering of information, such as location, configuration, and maintenance activities. However, there is so much information gathered today by ERP, EAM, CMMS and other systems that it is increasingly challenging to decipher relevant information pertaining to any specific asset. In fact, no matter how much information one gathers, it is meaningless without the ability to parse, query, evaluate and take effective action.

So, the challenge is clear: how does an organization efficiently pinpoint the correct information, analyze it and utilize the knowledge gained to make informed business decisions?

Introducing Geo Asset Explorer

CB Technologies' GeoAsset Explorer (GeoAXP) tracks and locates information across your network, recalling every piece of relevant data in seconds. Like a web search for your critical information, GeoAXP crawls across your existing data stores to gather, parse, index and rank relevant information into a single data pool.

Fast
Now your team members can have real-time access to all manuals, maintenance specifications, photographs, or any other information that exists within your network.

Efficient
GeoAXP mines any multitude of disparate data repositories (stuctured or unstructured) to ensure your data is current and available.

Connected
Inefficiencies occur and costs skyrocket when teams are out of sync. GeoAXP provides one centralized asset management system to keep everyone on the same page.

Economical
No more costing the business in lost production or downtime. GeoAXP ensures employees remain prodcutive, not wasting time searching for information.

Capabilities

Document Crawl
Mine disparate repositories for structured and unstructured data

Indexing
Load data to search engine for fast and accurate information retrieval

Text Extraction and Parsing
Easily disect, clean, transform and store data retrieved from documents

Search/Query
Find characteristic document data, rank results and provide suggestions
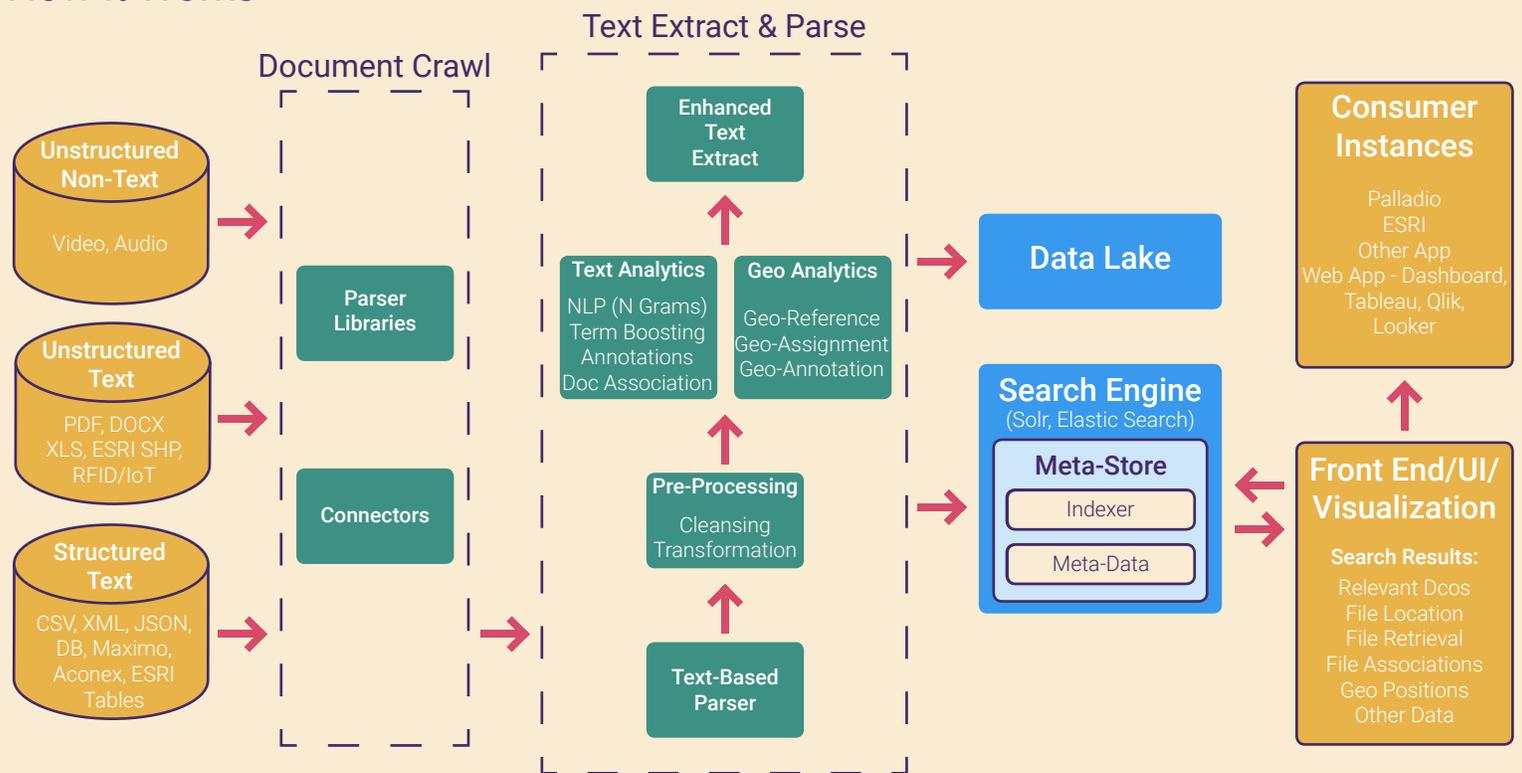
Geospatial Recognition
Recognize and retrieve geospatial data to identify record location

Natural Language Processing
Extract central ideas from text with inverted indexing and topic modeling

How it Works

Document Crawl

Text Extract & Parse

Unstructured Non-Text
Video, Audio

Unstructured Text
PDF, DOCX XLS, ESRI SHP, RFID/IoT

Structured Text
CSV, XML, JSON, DB, Maximo, Aconex, ESRI Tables

Parser Libraries

Connectors

Enhanced Text Extract

Text Analytics
NLP (N Grams)
Term Boosting
Annotations
Doc Association

Geo Analytics
Geo-Reference
Geo-Assignment
Geo-Annotation

Pre-Processing
Cleansing
Transformation

Text-Based Parser

Data Lake

Search Engine
(Solr, Elastic Search)

Meta-Store
Indexer
Meta-Data

Consumer Instances
Palladio
ESRI
Other App
Web App - Dashboard,
Tableau, Qlik,
Looker

Front End/UI/ Visualization

Search Results:
Relevant Dcos
File Location
File Retrieval
File Associations
Geo Positions
Other Data

Why CB Technologies?

Modern asset management demands an innovative approach. At CBT, we consistently deliver excellence thanks to our first-class engineers and an unrivaled partner ecosystem that ensures best-of-breed technologies for your unique business needs. With over 15-years' experience delivering enterprise-class solutions, CBT can augment your enterprise with the tools to excel in the competitive global marketplace.