

ENTERPRISE KNOWLEDGE SYSTEMS

Enterprise Knowledge Systems, using advanced data technology such as knowledge graphs and ontology, leverage the wealth of data within an organization and transform it into actionable information and knowledge, providing decision makers with the answers they need, at the time they need it.

INTEGRATION

A knowledge system seamlessly integrates data, governance, processes, procedures, and human expertise to create a unified and cohesive system.

CAPTURE AND STORAGE

Designed to capture, store, and transform all data generated within organization, transform it into information, and capture knowledge.

PROCESSING AND ANALYSIS

Possesses capabilities for processing and analyzing data, extracting meaningful insights, and generating valuable information to support decision making processes.

DISSEMINATION

Facilitates the efficient distribution of knowledge and information throughout the organization.

INTERACTIVITY

Knowledge systems are designed to adapt to changing business needs. They can easily evolve to accommodate new data sources, integrate with emerging technologies, and support evolving organization requirements.

SECURITY

Prioritizes robust security measures to protect data integrity, confidentiality, and availability.

SCALABILITY

Knowledge systems are scalable to accommodate the growing volume of data and users within an organization. This scalability ensures that the system remains effective as the business expands.

INTEROPERABILITY

Supports interoperability with other solutions, enabling seamless data exchanges and integration with various tools and applications used across the organization.

ANALYTICS AND REPORTING

Includes advanced analytical tools and reporting capabilities that allow organizations to identify new and actionable insights that push productivity and efficiencies further.



SourceOne® EKPS is an analytical knowledge system with the power to harness the wealth of complex data generated by mines, leading to next-level informed decision-making and operational efficiencies.

By utilizing the power of AI, knowledge graph technology, and a data ontology framework, SourceOne has the capability to generate new knowledge by referencing and reviewing stored data faster and more efficiently than a standard database can. Culminating in an autonomous expert system, SourceOne transforms the way you solve problems and make decisions.

DATA INGESTION & INTEGRATION

SourceOne EKPS has a faster data exchange, allowing you to work with your data in near real-time, not stuck trying to find it. With vast amounts of data collected along the mining chain, SourceOne supports data about operations, planning, sensors, maintenance, processing, and other activities.

KNOWLEDGE ENGINEERING

SourceOne EKPS utilizes advanced statistical models and machine learning algorithms to identify patterns and detect anomalies that may not be apparent through traditional analysis. Diving deep into specific domains, these analytics extract meaningful insights, molding them into structured knowledge models, much like encyclopedias, filled with curated knowledge ready to be tapped into.

SEMANTIC MODELING LAYER

Using logical reasoning to derive solutions, SourceOne EKPS draws conclusions and gives recommendations. It maps business data into familiar terms to offer a multidimensional view of data across the organization and meet the growing analytics needs of an enterprise. This gives meaning to single, seemingly unrelated collections of data and enables end-users to quickly discover and access new insights.

TAILORED APPLICATIONS

With SourceOne, you have the power to create tailored applications that unlock the full potential of your data, allowing users to establish a company knowledge-sharing system that is constantly learning and growing with your organization. You are not hampered by a one-size-fits-all approach. The possibilities are limitless, determined solely by the users' imaginations.

