

Serco, Inc. and Intuindex, Inc. are proud to partner together to deliver advanced automated analytics using AI / machine learning solutions to help customers improve efficiency and decision making.

Serco, Inc. is a leading service company helping customers meet business needs through rapid deployment of automated analytics solutions. Our team consist of AI data scientists, team leaders, and solution architects – all of which have various backgrounds in DoD and industry applications.

Intuindex, Inc., creators of Watchman for Defense™ (W4D™), is a machine learning / data model solution provider, manufacturing analytics solutions that address today’s growing information demands with proven, best-in-class technology for pattern of life and anomaly detection, forecasting, prediction, classification, and much more.

Together, we have years of experience in providing data analytic solutions and a deep understanding of the specific data-related challenges our customers face. We have served clients across the defense and intelligence sectors and have a proven track record of solving real-world problems with the power of AI and machine learning.

DIFFERENTIATORS

- **Higher-Order Low-Resource Learning (HO-LRL™):** Pioneered by Intuindex’s founder, William M. Pottenger, Ph.D., our proprietary HO-LRL™ technology significantly reduces the generalization error by leveraging higher-order relational information – advancing the power of AI and machine learning, especially in low-resource, streaming, and “dirty” data environments. The results are better performance with less training data in less time! In January 2022, HO-LRL™ technology was introduced into Intuindex’s latest product offering based on a first of its kind, highly functional, low-cost class of picosats called PocketQubes, opening the door to provide Space-Data as-a-Service.
- **Near-real-time data analysis and intelligence extraction** from a variety of disparate structured and unstructured data sources.
- **Focus on Showing Rapid Value:** Use of graphical point-and-click Natural Language Processing information mining and classification tools facilitates early learnings, results, and value to stakeholders.
- **A Methodical Engineering Approach:** Our prioritized approach to building an optimized knowledge/analytics store is an important way to provide both the foundation for advanced analytics solutions AND influence future data collection specifications. In addition, our multi-phase delivery approach with clearly defined KPIs provide incremental project results and ensures delivered solutions match business requirements of the customer.

SERVICES

- Artificial Intelligence
- Machine Learning
- Robotic Process Automation
- Deep Learning
- Natural Language Processing
- Search & Discovery
- Neural Networks
- Digital Twins

CUSTOMER BENEFITS

- Automates mundane / repetitive human tasks
- Better leverages employee strengths / skills
- Shortens time to decision points
- Improves accuracy / reduces error rates
- Improves consistency / standardization

CLIENTS

- U.S. Navy
- U.S. Air Force
- U.S. Marine Corps
- U.S. Intelligence Community
- U.S. Law Enforcement
- News Agencies
- Royal Canadian Navy
- U.S. Patent & Trademark Office
- Federal Healthcare Services

Leverage your data to work for you! Contact us to learn more.

(202) 440-3505



USING AI TO AID IN DECISION MAKING / SENSE MAKING

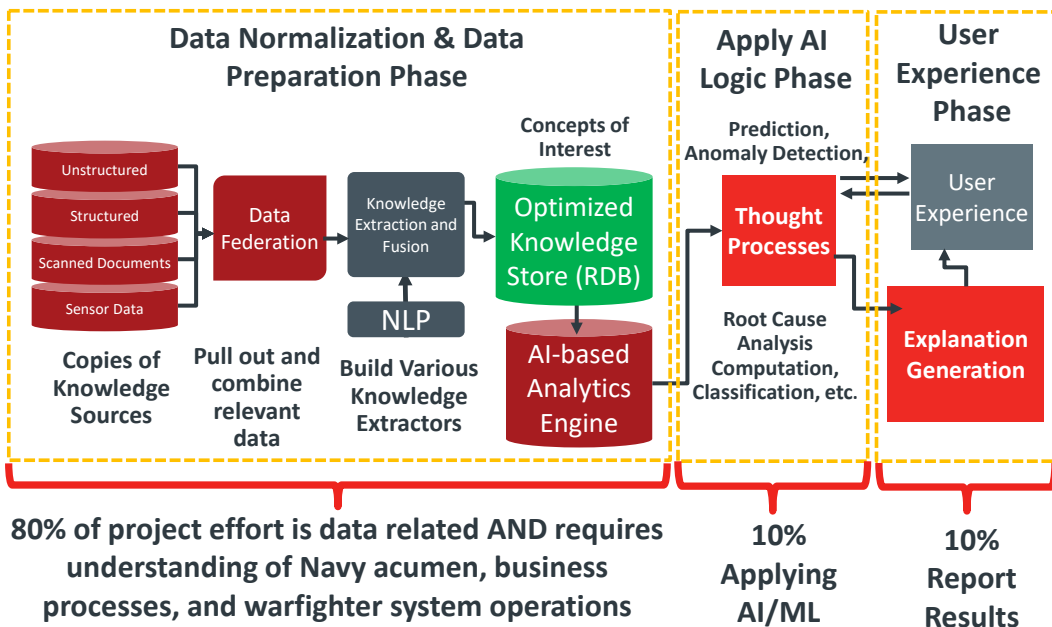
Natural Language Question Answering (NLQA)

SUMMARY

The NLQA system identifies relevant information in unstructured/structured text documents and prioritizes the information based on questions from the user. The user simply asks the system questions and the NLQA system returns answers in a report format at machine speed, greatly improving information flow and decision making.

CAPABILITIES

- Natural language question entry
- Configurable to various information domains
- Works on datasets of natural language documents
- Performs HO-LRL-based analysis to identify the “nuggets” of information
- Generates formal reports based on identified information, including source references and summary statements



A BETTER SOLUTION

Motivated to quickly apply machine learning and show results, many AI/ML analytics projects fail to meet expectations because they skip critical data preparation steps that make the data statistically meaningful. Our approach avoids these pitfalls by focusing on data preparation to ensure machine boosted analysis can meet business goals and show desired results to decision makers

Leverage your data to work for you! Contact us to learn more.

(202) 440-3505