Empower Decision Support

TEACHING THE ENTERPRISE BRAIN

Machine learning is driving efficiencies. Teaching your systems to learn how to find alignment among your documents and data is key to optimizing your outcomes. NCI has exclusively partnered with Tanjo, a leader in natural language processing (NLP), to provide our government customers with:

- *Empower* decision support that maps, organizes, and preserves your organizational knowledge
- Process automation using NLP

Empower decision support dramatically reduces costs and increases efficiencies by automating data tasks, using proven machine learning. Our machine learning team can help you achieve a deeper, more dynamic interaction with your data:

- Learn and map organizational knowledge across multiple systems, creating an enterprise brain
- Automate tasks and processes
- Enable easier access to information
- Improve knowledge collaboration

Machine Learning Automation Project Process Flow

Analysis of Sources Workshop	Brain Design & "Clean Brain" Birth	Clean ML Brain Ingests & Learns	Development	Final Brain Application
1/2 day	1 month	Feedback	1 week	Feedback	3 months	

Organizational Knowledge Management:

Government agencies deal with increasing amounts of data every day and it's important that as new data comes in that redundancy is avoided. NCI's machine learning uses the enterprise brain to understand your data, learn how information enters the organization, who champions it and who challenges it, and how decisions are made. It identifies your experts in each domain and disseminates relevant knowledge to end users based on their roles.
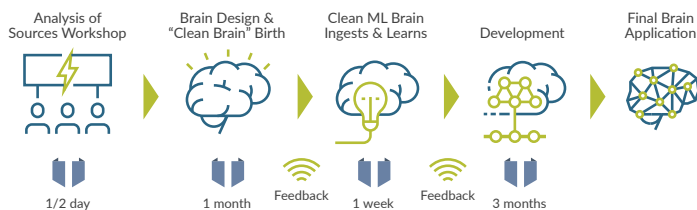
Training the Brain:
Empower decision support acts like an enterprise brain that operates much like a personal assistant. The assistant will learn how your information is used by each user, resulting in faster and more efficient information delivery. It can also provide relevant information that is related to the search query without requiring search. Behavior and information needs are captured to improve delivery.

Cost savings:
Machine learning and automation can, in short order, provide measurable cost savings of **10x** or greater for analytical tasks.

Our NCI team of experts recommend a cloud environment with modern infrastructure resilient to down time. We will provide turnkey options that you can have deployed often in less than a day.

About NCI

NCI provides enterprise solutions to U.S. defense, intelligence, health and civilian government agencies for more than 30 years. From its Scaling Humans with Artificial Intelligence (Shai®) philosophy to its *Empower*™ platform, our team of AI specialists deploy solutions to help produce a government workforce that is more creative and productive. www.nciinc.com