PROJECT: Waste and D&D Engineering and Technology Development: *Deactivation and Decommissioning Knowledge Management Information Tool (D&D KM-IT)*

CLIENT: US Department of Energy
PRINCIPAL INVESTIGATOR: Dr. Leonel Lagos
SITE: DOE Complex-wide

Description:

D&D work is a high priority across the DOE complex. Subject matter specialists associated with the DOE sites and the D&D community have gained extensive knowledge and experience over the years. To prevent the D&D knowledge and expertise from being lost over time, an approach is needed to capture and maintain this valuable information in a universally available and easily usable system.

The overall objective of this project is to provide a focused web-based tool to assist the DOE D&D community in identifying potential solutions to their problem areas by using the vast resources and knowledge-base tools available through the web.

- Providing a mechanism to the global D&D community for searching relevant D&D information.
- Collecting information from subject matter specialists.
- Building a knowledge repository for future reference.
- Archiving lessons learned, best practices, photos/videos, and other relevant documents.
- Providing a secured collaboration platform for the global D&D community to share knowledge.

Benefits:

- D&D KM-IT is serving as a centralized repository to provide a common interface for all D&D related activities.
- Assisting D&D community users in gathering, analyzing, storing and sharing knowledge and information.

- Reducing the need to rediscover the knowledge of the past while capturing the new knowledge and experiences gained during D&D operations.
- Resulting in enhanced worker safety and schedule efficiencies.

Accomplishments:

- Technology module contains information on over 1250 D&D related technologies and includes over 470 robotic technologies.
- Vendor module provides descriptions, areas of expertise, and contact information for over 920 D&D related vendors.
- Specialist directory lists D&D experts, their areas of expertise, and contact information.
- Hotline module receives D&D questions and provides solutions from experts.
- Web crawler aids users in searching the D&D KM-IT and web for D&D related information.
- Document library hosts legacy Innovative Technology Summary Reports (ITSRs), international documents, ALARA Center newsletters, and other documents from the D&D community.
- Mobile system provides access to modules on the hand held devices supporting Windows, Android, Blackberry and Apple's iOS.

D&D KM-IT main system at www.dndkm.org and D&D KM-IT mobile at m.dndkm.org