

FIU PROJECT 4 - 2012 FACT SHEET

## D&D Knowledge Management Information Tool (KM-IT)

FIU's Applied Research Center (ARC) is supporting the U.S. Department of Energy Headquarters in its mission to gather, organize, and maintain D&D knowledge and experience from across the DOE complex. The D&D KM-IT main site can be accessed at <https://www.dndkm.org> and the mobile site at <http://m.dndkm.org/>

Deactivation and decommissioning (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.

### Project Objectives

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, ALARA reports and other relevant documents.
- Providing a secured collaboration platform for the global D&D community to share knowledge.

### Project 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.

### Project Accomplishments

- Developed a D&D community-wide web-based system for capturing and sharing D&D knowledge in the U.S. and internationally.
- Developed technology module to manage D&D technology information and a vendor module to provide description, areas of expertise, and contact information.
- Developed and deployed web crawler module to aid users in searching the D&D KM-IT and web.
- Developed a specialist directory for D&D experts, their areas of expertise, and contact information.
- Developed collaboration tools to share knowledge within the D&D community.
- Developed and deployed hotline to receive D&D questions and provide solutions from experts.
- Developed modules to provide lessons learned, best practices, video and picture library from the D&D community.
- Developed training module to provide information on training courses, workshops, and certifications
- Deployed mobile system to search vendors and D&D specialists on the hand held devices supporting Windows, Android, Blackberry and Apple's iOS.



D&D KM-IT main site at [www.dndkm.org](http://www.dndkm.org) (D&D KM-IT mobile at [m.dndkm.org](http://m.dndkm.org/)) and Brokk D&D technology.