

Knowledge Preservation Management



The Knowledge Preservation Management (KPM) system allows for the capture, management, and web-based access of manufacturing operations information. KPM also captures retirees' knowledge via transcript-enabled videotaped interviews and with video data mining advanced search capabilities. Access to this information is available directly to the operator on the factory floor or in an office, providing a complete on-demand knowledge management and training capability. Y-12's KPM was designated as the National Security Enterprise Center of Excellence for Knowledge Management.

SOFTWARE

What began as a requirement to capture the knowledge of retiring nuclear facility workers has grown into a capability with broad applications for improving manufacturing operations in industry.

Features

- Captures and manages video, animation, process maps, work instructions, and any other associated information digitally
- Allows for information configuration control and long-term archival of knowledge base
- Can be access controlled to ensure appropriate need to know

Benefits

- Assimilates and manages critical information and makes it available on demand to those with the appropriate need to know
- Easy to use, efficient transcript-based, jump-to-frame video data mining and retrieval
- Flexible with content configuration control and long-term archival of a company's knowledge base

Applications

- Manufacturing and industrial companies
- Government agencies
- Research and development firms

Copyright

The Y-12 National Security Complex has copyright protection for this technology.

Developers

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Technology Readiness Level (1-9)



Actual application of the technology in its final form and in Y-12 production use.



Partnering Opportunities

Y-12 is seeking an industry partner to fully commercialize this technology.

**If you would like more information, please contact the
Office of Technology Commercialization and Partnerships:**

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