

E-Products for Training and Supporting Skilled Support Personnel

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About CogniTech

- Small business with 9 employees Founded in 1996
- Expertise in software development for healthcare, training, physical science, and engineering
- Cutting-edge applied research, technologies and services
- Teams with corporations, universities, research labs



CogniTech Experience

- Domain Expertise
 - Occupational and environmental health
 - Training systems
 - Modeling and Simulation of chemicals, materials, and sensors
 - Emergency medical and other healthcare information systems
- Software Expertise
 - Java, C/C++, Web technologies, Fortran,
 - Advanced Distributed Learning
 - Database
 - XML
 - UML & Object Oriented Design
 - CORBA, Web Services, HLA
- Data Analysis Platforms
 - Unix/Linux, Windows, Interactive Voice Response, Personal Data Assistant (PDA), Embedded devices, High Performance Computing



Project Goal

Provide technologies to:

- Help Prepare, Train, and Support Skilled Support Personnel (SSP) for response to large scale disasters such as the World Trade Center,
- Provide awareness level training,
- Allow short incident-specific content to be provided prior to a response action,
- Support SSP where English is a second language or literacy rates may be lower, and Provide an environment where content can be
- quickly developed and published.



Learning Content Management System

- Central repository for content storage
 - Questionnaires with complex control flows
 - Training material
 - Material Safety Data Sheets
 - Technical Manuals
- Visual Content Authoring Environment Reuse of content
- Searchable
 - Meta-Tagged
- Non-proprietary format of data storage Easy and Inexpensive to maintain Standards compliant



Publishing Environments

- Computer Based Training
- Web Based Training

- Supplemental Classroom Material
- Pre-Testing / Questionnaire
- Cross-Training / Awareness Level Training
- Interactive Voice Response (IVR) Telephony
- Pocket PC, Palm OS
- Wireless Mobile Devices



Product Evaluation

- Content Development
 - Personal Protective Equipment HAZWOPER Training Developed with the University of Utah
 - Author content using CogniTech's tools
- Content Publishing
 - SCORM compliant Web Based Training
 - Computer Based Training
 - Supplemental Classroom material
 - Voice Server – Interactive Voice Response
 - Wireless Devices



Conclusion

- Easy to use Authoring Environment
- Content Scalability and Reuse
- Just-in-Time Content Delivery
- Multi-Platform Support
- Future Proof Environment



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