



Software Development Capabilities

The nature of our mission requires us to operate independently of third-party ancillary services. This means we must operate on our own medical facilities, firehouses, communications departments, and routine plant maintenance services, among others. As a result, Consolidated Nuclear Security, LLC (CNS) has developed software to meet these needs. Here are some of the programs created to perform these tasks that can be applied to outside industries.

CNS has copyright protection for these technologies.

SOFTWARE

Highly Efficient Reliable Operations (HERO)

Features

- Web-based system that provides visibility of product life-cycle activities business decisions
- Features automated task tracking, results filtering, configurable display options, and color coding with data integration and visualization tools
- Improved metrics display, including overdue tasks and on-time starts/completions

Applications & Industries

- Production planning and operations monitoring in manufacturing
- Large service repair facilities

Developers

Kent Nix, Brian Knight, Tim Schwartz and Shaun Hancock

Electronic Logistics Management System (ELMS)

Features

- Provides insight into container inventory at Nuclear Security Enterprise (NSE) sites
- Provides history of container inventory

- Displays production manufacturing deliverables
- Provides a view of the NSE PCD schedule
- Consolidates information from multiple manufacturing systems

Applications & Industries

- Easily transferable to other NSE sites
- Government agencies, such as the Defense Department, requiring effective inventory management of nuclear material

Developers

Kent Nix, Brian Knight, Tim Schwartz, Vince Howard, Terry Holeman, Karon Overlin, Bryan Miller, Peggy Dyer, Jack Lewis, Jonathan Bolz, Jim Plemmons and Jim McClanahan

Readiness Certification Assurance Process Tracking System (RCAPTS)

Features

- Manages work flows automatically and notifies users when an action is required
- Accepts electronic storage of evidence documents and links to external systems



- Eliminates the need for client interaction
- Runs on any JavaScript-enabled internet browser or device connected to a network on which PHP is installed

Applications & Industries

- Engineering firms responsible for construction and/or startup activities
- Software companies (e.g., supplement to existing software)
- Operating firms that start new complex processes in a regulated environment (e.g., nuclear utilities, refinery operations)

Developer

Garrett Cook

Electronic Record Maintenance System (ERMS)

Features

- Easy-to-use interface that supports real-world work flow
- Online questionnaires that facilitate reappointment updates to medical and maintenance histories
- Voice recognition technology

- Online scheduling and autoscheduling for recurring exams and maintenance
- Automated appointment notifications and single-click registration
- Automated interfaces to lab devices and digital imaging

Applications & Industries

- Fleet vehicle maintenance
- Veterinary clinics
- Patient or equipment history/validation

Developers

David Caldwell, Dan Cannon, Jessica Metcalf, Matt Morrell, Melissa North, Brian Ray, Terry Richardson, Steve Underwood and Patsy Shelton

Contact

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