DESCRIPTION

ARG-US *SensiTrack*™ Software System for Hazardous Materials

MODEL

ARG-US *SensiTrack*

The **ARG-US SensiTrack™ Software System** is an integral component of the ***SensiTrack***™ *RFID Solution for Hazardous Materials*. The ARG-US software continuously tracks the physical location and monitors environmental conditions of hazardous material containers during transport and storage. The system meets the challenge of effective management of hazardous materials to enhance safety, safeguards, and security and to enhance worker safety and protect public health.

The ARG-US SensiTrack Software System incorporates two specialized software applications, ***ARG-US TransPort*** and ***ARG-US OnSite***, providing a powerful, customizable platform for full life-cycle materials management during transport and storage. The system manages the data flow from sophisticated active RFID tags and fixed or mobile RFID readers across geographically distributed facilities, as well as transport vehicles, and incorporates secure communications, databases, and web services.

Benefits of the system include enhanced safety, safeguards, security, and materials accountability; reduced exposure to hazardous conditions by decreasing the need for manned inspection and surveillance; real-time access to status and event history data, including continuous monitoring of environmental conditions for hazardous material transport and storage.

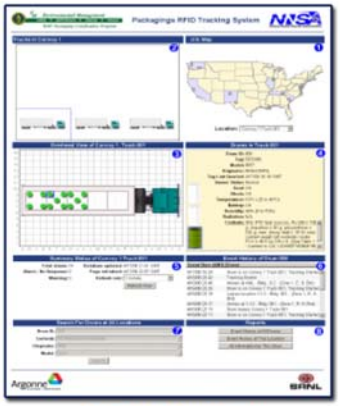
SensiTrack™
RFID Solution for Hazardous Materials

The ***SensiTrack™*** *RFID Solution for Hazardous Materials* incorporates **EV3-ES1** active RFID tags, **EV3-AFI2** & **EV3-HHI** High-performance fixed and mobile readers with SensiTrack drivers and integrated **ARG-US SensiTrack** Software.




ARG-US *SensiTrack*™ Software System for Hazardous Materials

ARG-US *OnSite*



ARG-US *Transport*

ARG-US *SensiTrack* Applications

The ARG-US technology is proven in pilot storage and transportation projects at multiple Department of Energy (DOE) sites.

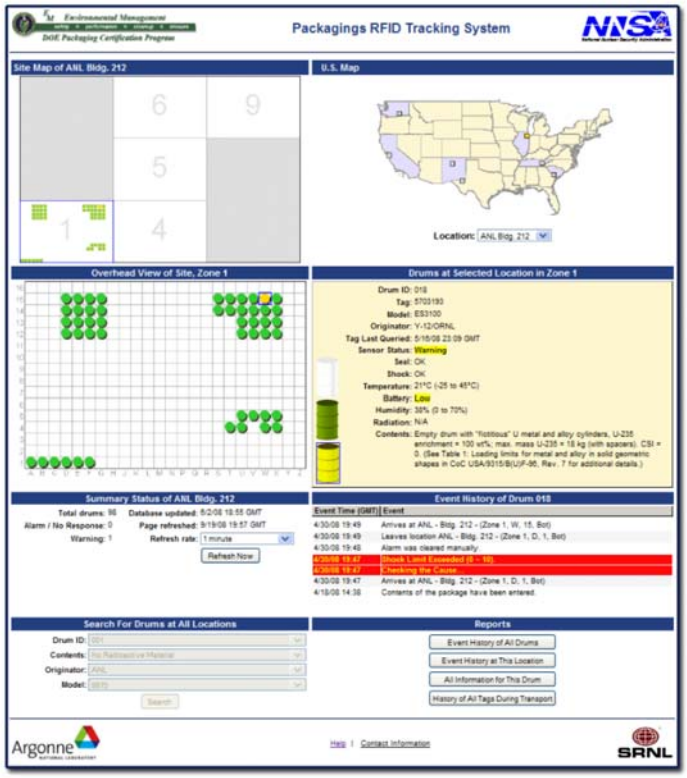
The ARG-US technology can be applied to reduce domestic and global threats and enhance critical infrastructure protection when used to track sealed nuclear sources and other hazardous by-product materials.

The ARG-US technology is applicable for tracking and monitoring the condition of containers used to store, transport, and dispose of radioactive and other hazardous materials or for any containers that have high-value materials for which continuous tracking and monitoring are important.

The ARG-US technology platform has been designed to accommodate additional sensing capabilities, such as gas sensors, increased memory, GPS chips, and other components.

ARG-US *SensiTrack* Interface

The graphical user interface (GUI) ARG-US SensiTrack system enables monitoring of stacked drums typical in a hazardous material storage facility. Each symbol represents a storage drum, with the color indicating the status: green (normal), yellow (warning), and red (alert/alarm).



Clicking on a symbol causes the serial and model number of the selected drum to be displayed in the window pane on the right, along with the sensor status and values. In cases of stacked drum storage, other drums in the stack can be selected from this pane and the data and status display will change accordingly.

The ARG-US System is licensed from Argonne National Laboratory, part of the U.S. Department of Energy's Office of Science. ARG-US development work is sponsored by the Department of Defense Packaging Certification Program, Office of Packaging and Transportation, Environmental Management.

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About Evigia

Evigia is the industry leader in the development and deployment of specialized integrated sensor and ASIC technologies to dramatically improve the functionality and cost of wireless and sensing products. The third-generation EV3 platform delivers smaller size, higher energy efficiency and lower cost products which allow significant improvement in the performance and cost of wireless sensing networks.