

Graphical Electronic Dosimetry Display System (GEDDS)



software

*monitoring
exposure records
access control*



Overview

The Graphical Electronic Dosimetry Display System (GEDDS) is a Windows® based application which provides an easy to use and understand graphical interface for the control and display of radio transmitted electronic dosimetry data. GEDDS was developed in response to the need for increased productivity and improved information management. It provides a high performance network solution for the management and display of data received from radio transmitting devices such as electronic dosimeters (telemetric dosimeters), ARMs and CAMs.

GEDDS Command Center

The GEDDS Command Center is the portion of GEDDS the user interacts with. It provides control of the dosimeter reader, management of inventories of devices (dosimeters and area monitors), people, tasks and RWP's, and monitoring of active users. Additions can be made automatically or via data entry windows. Assignments are made quickly by picking items from pop-up lists with built-in safeguards to prevent errors such as assigning the same dosimeter to two people. Monitoring views can be filtered by RWP, Task and Location to provide concise viewing of workers' information.

GEDDS Communications Server (Comm Server)

The GEDDS Comm Server communicates with the telemetric dosimetry manufacturer's radio receiver connected to the serial port of the PC. The Comm Server decodes the data received and transmits it to the GEDDS Network Server.

GEDDS Network Server

The GEDDS Network Server is the heart of GEDDS. The GEDDS Network Server manages security functions for the system, receives data from the Comm Server program(s), stores the data in the history database, forwards the data to the end users for viewing, and processes alarms.

Control

Maintain Positive Control over workers in high dose rate areas, decrease exposure, decrease costs, and dramatically increase productivity with GEDDS from MJW.

Support

GEDDS supports the leading telemetric dosimeters such as those from Science Applications International Corporation (SAIC), Rados, Siemens, and MGP Instruments.

GEDDS Checklist

- Real time dose and rate tracking
- Real time ARM and CAM monitoring
- Graphical user interface
- Advanced Java Client/Server Architecture
- Web-Based "View-Only" Module
- Fully integrated with RADOS, SAIC, Siemens, and MGP hardware
- Color-coded alarm indications
- Automatic registrations of dosimeters in device inventory
- Comprehensive data from AMS-4 and other CAMS
- Quick assignments made from drop-down lists
- Extensive real-time and historical graphing capabilities
- Live video overlay capability
- Robust network operation
- 32-Bit Client/Server architecture
- Smart Records Management

Product Integration

Live Data can be supplied to MJW's VSDS™ and IVTS™ programs. Connect to your ACS for auto login/logout.

