GEDDS Case Study

A multi-state energy company in the Eastern United States chooses S&W Technologies to meet its needs for remote monitoring technology.

PROFILE

This large energy company has operations from the Carolinas through Florida. It operates four nuclear power stations across its fleet. The company is also planning an expansion of its nuclear fleet to meets the ever increasing energy demands in its service region.

Customer Challenges

- Inability to collect and consolidate real time measurements of radiation and airborne contamination levels due to the mix of hardware from various manufacturers
- Inability to integrate a real-time data collection and monitoring system with its in-house developed access control system so that personnel logins and logouts would be processed automatically
- inability to process large data volumes generated from over 300 area monitors that monitors 400 + workers wearing electronic dosimeters during outages
- Inability to filter millions of data points and only capture those of interest in order to minimize data storage and maximize data retrieval efficiency

S&W Solution

- Ability to interface with an simultaneously collect data from all manufacturer's devices and connect to the customer's access control system
- Built with robust Java technology enabling software system to handle the customer's workload
- Advanced data filtering capabilities to achieve the data storage efficiency desired by the customer

Measurable Benefits

- Provides an efficient, easy to use and reliable system for the radiation protection staff to monitor and control worker's exposure
- Supports plant staff in the attainment of their ALARA goals
- Reduces overall staff radiation exposure saving tens of thousands of dollars each year.