CASE STUDY: THE DEPARTMENT OF ENERGY – ENVIRONMENTAL MANAGEMENT

INDUSTRY: Government
DEVELOPMENT MODULES: Multi-User Administration, Risk Assessment Analysis and Tracking, Custom Reporting Tools

PROFILE:

In 1989, the Department of Energy created the Office of Environmental Management (EM) to mitigate the risks and hazards posed by the legacy of nuclear weapons production and research. Although the nation continues to maintain an arsenal of nuclear weapons, as well as some production capability, the United States has embarked on new missions. The most ambitious and far ranging of these missions is dealing with the environmental legacy of the Cold War. Like most industrial and manufacturing operations, the nuclear complex has generated waste, pollution, and contamination. However, many problems posed by its operations are unique. They include unprecedented amounts of contaminated waste, water, and soil, and a vast number of contaminated structures that will remain radioactive for thousands of years.

CHALLENGES:

The DOE was mandated to create a full functioning web-based risk analysis program within a span of 3 weeks upon their initial notification. The existing compiled, client-server application was hard to manage or upgrade, and often failed due to numerous errors and bugs. They required a *very* quick turn around on a high profile program that needed to run securely and error free.

THE SOLUTION:

From the time Cyber-Rush Development (A Cyberonyx/Rush Technologies Partnership) was awarded the contract, our team of project managers and developers had 16 days in which to do a proper analysis of the existing program's strengths and weaknesses, architect and develop the program and thoroughly test it for launch. This was achieved within 12 days using web-based technologies. The previous compiled application had taken months of development time.

THE RESULTS:

EM continues to be impressed with the speed to market and quality programming that Cyber-Rush offers. The new system runs without errors and continues to be updated with new features. They are currently in the process of re-examining more of their compiled programs for migration into web applications.