



Current Initiatives *Educating and Inspiring Young People*

T3 Table Top Tool

Emergency situations require a very high degree of planning and coordination. Imagine a tool that provides the ability to identify and resolve any potential issues that could arise during the emergency response process. Developers at REGAL are working to create a 3D simulation Table Top Tool (T3) to do exactly that.

(Continued on page 3)

Another Way REGAL is Committed to the Future of Homeland Security

Since September 11, America has made great progress towards protecting the American people, its critical infrastructures and key resources. Prevention of terrorism has been at the forefront of the minds of the American people, but natural disasters like earthquakes and hurricanes are still more likely to occur. The nation must be better prepared for the next major disaster. Securing the country against all kinds of threats is the goal of the Department of Homeland Security (DHS), which employs over 128,000 workers in a variety of fields. Not surprisingly, many young people are looking towards careers in Homeland Security, which include researching and developing the latest security technologies, analyzing intelligence reports, coordinating the nation's emergency response and helping to secure our country's borders, airports and seaports.

emphasis on Homeland Security in the curriculum. Over 90 students are enrolled in the Homeland Security program this fall, utilizing real-world curricula and activities. REGAL has teamed up with Meade High School to develop a Crisis Evacuation Planning course that uses simulation-modeling tools to analyze threat scenarios and establish successful evacuation plans. REGAL's cutting-edge technology in simulation modeling produces accurate and viable plans that work in real-life emergency situations, helping the students understand emergency response tactics and prepare for future careers.



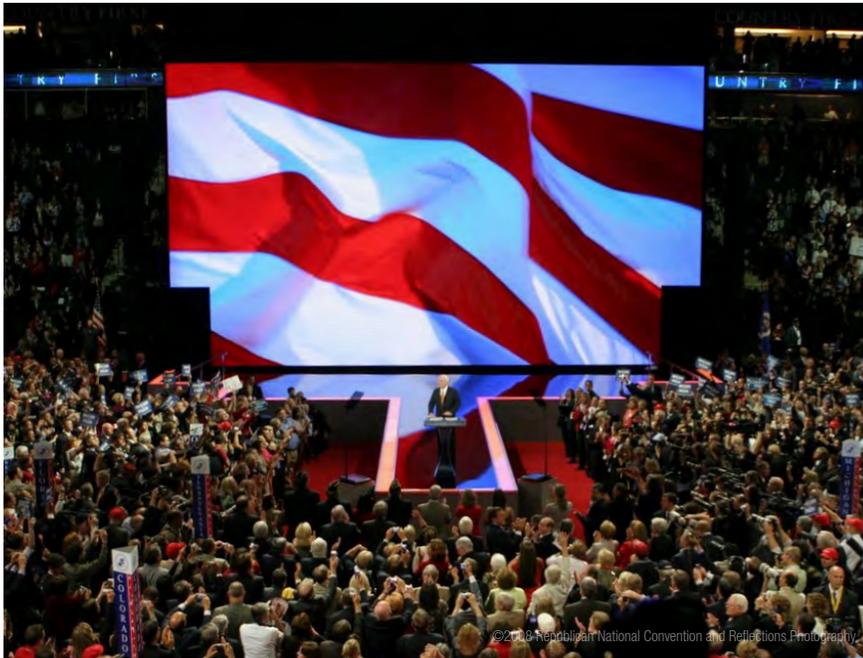
Students will gain knowledge and experience in evacuation planning for future careers in Homeland Security.

Students may have the opportunity in the future to begin earning college credits while enrolled in the Homeland Security Signature Program. It may be possible to accumulate some credits needed for an associate's degree in Homeland Security at Anne Arundel Community College. Through this program, REGAL's tools and expertise are helping to teach and inspire the minds of young people who someday hope to share the responsibility of protecting our country.

Seize the Power of Simulation Technology

Emergency Planning and Preparedness

Planning for Emergency Evacuation at the Republican National Convention



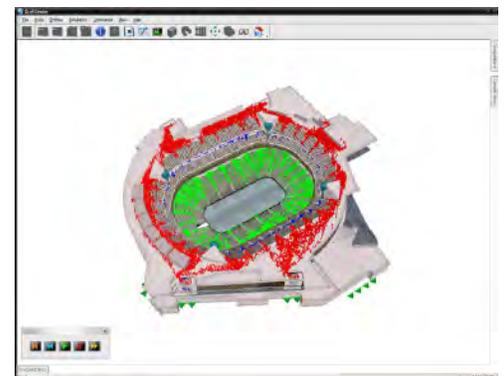
Large events require a great deal of planning and preparation. This includes a successful evacuation plan to ensure the best outcome in the case of an emergency.

Federal, state, and local governments are highlighting the importance and increasing the attention for our society to be prepared for emergencies. The Department of Homeland Security strongly encourages public emergency preparedness whether it involves a simple family plan, or for a 50,000 person event. Governments, individuals and companies realize the vital need for an emergency evacuation plan in any given situation. In 2008, REGAL was tasked by the security team at the Republican National Convention (RNC) to evaluate readiness and emergency preparation. Their job was to simulate the estimated 16,250 people expected to attend the event and to determine the time required to evacuate the entire venue, calculate queue lengths and identify congestion areas under a variety of threat scenarios.

Numerous evacuation scenarios were simulated for the Xcel Energy Center in St. Paul, Minnesota using REGAL'S Evacuation Planning Tool (EPT 1.0). The results of these analyses were applied directly to the deployment of emergency and security resources, helping to guarantee the best outcome in the case of an emergency. The

RNC was the first "live" test of the software's capabilities, which were developed to conduct evacuation analyses for buildings, stadiums and venues under a wide range of conditions

The evacuation information computed by EPT is invaluable. Simulation modeling provides an in-depth impact analysis prior to an incident, providing training capabilities, a resource decision tool and visual representations for crisis management support before implementation is required. By simulating the evacuation of 16,250 individuals, REGAL'S EPT software provided insight into the best course of emergency response actions, eliminating guesswork and chance. Since that application, REGAL has created EPT 2.0. To highlight a sense of how powerful this new application is, REGAL recently ran an evacuation simulation of 200,000 people and REGAL developers are currently running scenarios with much higher entities.



REGAL's Evacuation Planning Tool simulates the estimated 16,000 individuals expected to attend the Republican National Convention.

Seize the Power of Simulation Technology

T3 – Table Top Tool *(cont'd from page 1)*

Technology at Your Fingertips



TABLETOPTOOL

T3 will allow trainees to visualize and understand the impact of their decisions.



The full T3 system will consist of several networked computers, including a touch-table PC for enhanced usability.

Consider a multi-agency emergency or tragic event like the earthquake in Italy. When the panic sets in, people in a building begin to evacuate, ambulances are called, first responders arrive at the location, and agencies begin closing off the surrounding area. All these events are occurring simultaneously and are under the control of different commanding officers. If these tasks are not well-coordinated, the mitigation effort could be severely undermined. REGAL is developing a solution which will create high level scenarios for training. REGAL's Table Top Tool (T3) will provide the ability to simulate various events in which pedestrians are evacuated from threatened areas, be it a single building or an entire complex.

T3 will be used to train first responders and emergency managers to take action in complex situations. The tool will be deployed on touch tables networked together so that several officials can gather around and execute drills, evaluate performance, and act in the best interest of the public. T3 will give these individuals the opportunity to visualize and understand real-world emergencies and collaborate to make response decisions while evaluating the effects of those decisions on the entire situation.

The significant amount of information associated with evacuating a facility can become difficult to manage, but T3 will make this task simpler by displaying all components on a large 103-inch touch table allowing

the information to be easily observed. The information computed by T3 can be used to isolate problem areas in the emergency response tactics such as poor staffing, and can also be used to identify structural limitations such as insufficient capacity and accessibility of stairwells and exits, distance to and capacity of safe areas, traffic congestion points and other potential obstacles.

Simulation modeling creates a synergy among emergency responders which allows them to make better decisions. REGAL's proven simula-

tion expertise combined with state-of-the-art technology will help meet the challenges related to emergency planning. T3 will help individuals better visualize the effects of their decisions and will increase the ability to better prepare for and respond to emergency situations.



Emergency responders must make quick decisions when faced with an emergency situation. T3 will help prepare individuals for that task.

people & profiles

Employee Spotlight

Jim Cleer Joins REGAL Team



The Lexington Park office resides on NAS Pax River, which is a United States Naval Air Station located in St. Mary's County, MD.

In December 2008, Jim Cleer began employment with Regal Decision Systems, Inc. as Director of Lexington Park Operations. Since that time, Jim has been a tremendous asset to REGAL, bringing true leadership and

expertise to the team by mentoring and coaching REGAL employees as they take on more responsibilities supporting the U.S. Navy and Marine Corps under their Seaport-E contract.

Jim possesses knowledge and an extensive set of technical skills that take years to acquire. Retired from the Naval Air Systems Command after 34 years of DoD federal civil service and military service (USAF), Jim has demonstrated capabilities in strategic planning, program management, acquisition logistics, new technology and innovative support, training and education. As Director of Operations, Jim's primary responsibility is as REGAL's SeaPort-E Program Manager in charge of the development, management and execution of the program's task orders in support of multiple NAVAIR Program Offices. He is responsible for recruiting and retaining the team that provides the day-to-day on-site technical expertise to those task orders.

Jim holds a Bachelor of Science degree in Management from the University of Phoenix and has nearly 40 years of hands-on program management and logistics management experience in the government and as a government contractor. In his spare time, he enjoys traveling abroad with his family and following NCAA football and basketball.

Also In The Spotlight

As REGAL continues to succeed and grow, we have also expanded our involvement within the community, such as Meade High's Homeland Security program. This has led REGAL to be nominated by the Anne Arundel County Chamber of Commerce, which we are honored to be a part of.

More to follow, but a quick insight; REGAL's headquarters at BWI is currently under construction with the build-out of two existing offices and the creation of a third...Plus REGAL is pleased to announce its Belcamp office is currently under contract talks and could possibly be moving to White Marsh, MD in the near future. Please look for the fall 2009 newsletter, which will highlight these significant events and also touch on other items.

For more information, please contact Joe Borkoski Jr., President at jjborkoskjr@regaldecision.com, or visit our website at www.regaldecision.com.



**1302 Concourse Drive
Suite 400
Linthicum, MD 21090
443-577-4222**