Current Initiatives

Christopher Doyle Joins Regal as Executive V.P.

Mr. Doyle served as the Director of the Infrastructure and Geographical Division at the Department of Homeland Security

REGAL is excited to welcome our new Executive Vice President, Christopher Doyle. Mr. Doyle comes to REGAL from the Department of Homeland Security (DHS) where he was the Director of the Infrastructure Protection and Disaster Management Division within the DHS Science and Technology Directorate. In this role, he directed research and development efforts to identify and mitigate the vulnerabilities to disasters or terrorist attacks of critical infrastructure as well as enhancing the performance and protection of responders. He was appointed to the Senior Executive Service in August of 2007.

Mr. Doyle graduated from Virginia Tech in 1989 with a BS in Civil Engineering and began his career in the private sector. In 1992, he took a position at the Federal Emergency Management Agency (FEMA) headquarters where he developed disaster assistance policy and managed recovery efforts. Mr. Doyle received special distinction award for his efforts to relocate disaster victims from tents to trailers during Hurricane Andrew. Mr. Doyle went on to manage recovery efforts in several disasters, including the Northridge Earthquake, where he was responsible for the administration of over $6 billion in recovery grant funds. In 2000 Mr. Doyle was appointed by the FEMA Director to lead the Office of Corporate Affairs where he successfully initiated and coordinated numerous partnering arrangements between FEMA and the private sector to provide enhanced disaster protection at the local level. From 2001 until 2003 Mr. Doyle managed the day-to-day operations of both the National Earthquake Hazards Reduction Program and the National Dam Safety Program. After the creation of DHS and the assimilation of FEMA into DHS in 2003, Mr. Doyle was asked to serve as the Deputy Director of the Emergency Preparedness and Response Portfolio of the newly created Science and Technology Directorate.

Mr. Doyle will be leading REGAL's Washington, D.C. office by supporting current and future clients, both domestically and internationally, with concentration on the federal government.

Mr. Doyle's talent and experience is unmatched, and REGAL is extremely pleased to have this opportunity to welcome him to our company.

Seize the Power of Simulation Technology

Dedicated to Safety & Security

REGAL Prepares for Phase II of their DHS S&T Contract

REGAL is in the process of successfully completing the first phase of their Department of Homeland Security (DHS), Science and Technology contract. REGAL's SAFETY Act Designated SportEvac Simulation Tool has been deployed and utilized at seven NFL stadiums, Camden Yards in Baltimore, MD, the Verizon Center in Washington DC, the Indianapolis 500, and the Women's Final Four Basketball event held at the Pepsi Center in Denver, Colorado . Also during this first task, REGAL successfully provided support with planning and preparations for Super Bowl XLVI. The final two venues of phase I, which are supporting the 2012 Republican and Democratic National Conventions, will be complete and deployed by mid to late July.

With their proven success and the effectiveness of their Simulation Tool, REGAL has been awarded phase two of their contract. For this specific task, REGAL will be providing support to Super Bowl XLVII, to be held at the Mercedes-Benz Superdome in New Orleans, as well as Churchill Downs home of the Kentucky Derby, a NASCAR event, the New Freedom Tower in New York City, and

potentially a soccer event in support to the Government of Brazil for their upcoming World Cup and Summer Olympics. For each venue, REGAL will evaluate up to 5 scenarios by testing as well as analyzing planned evacuation and ingress routes for VIP's, the general public, and first responders. The analyses will focus on a full scope of particulars including planned routes, pedestrian flow choke points or bottle necks, interactivity among evacuees and the impact of official personnel directing the population.

Additionally, REGAL has begun the preparations to take their DHS's SAFETY ACT "Developmental Testing and Evaluation Designation" (D-TED), to the next level. Once the final two venues of phase one have been completed, REGAL will apply for the full SAFETY Act Certification. Utilizing a SAFETY Act certified technology will protect stakeholders of a venue from liabilities caused from a terrorist act. This protection will cover those who have properly deployed the technology and have utilized the results during implementation and training.
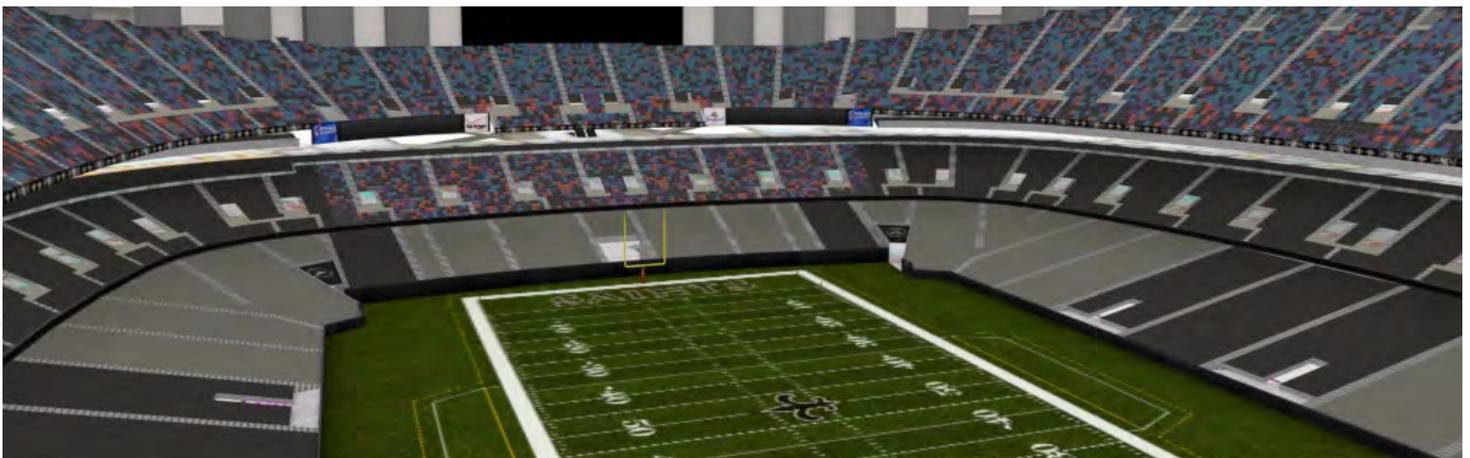
An interior view of REGAL's Mercedes-Benz Superdome 3d model, which will be utilized to perform an evacuation study for SuperBowl XLVII. REGAL has already performed this type of crowd analysis at more than 12 professional sporting venues.

Seize the Power of Simulation Technology

Support & Exercises

REGAL to Perform Analysis at Port Imperial Grand Prix

The Grand Prix of America is a Formula One World Championship race planned for June 2013 and beyond.

REGAL is excited to announce that we will be supporting Port Imperial Racing Associates, LLC (PIRA). PIRA is an organization specifically created to oversee the Port Imperial Grand Prix Street Circuit. The first race will take place in June of 2013 and is based around Weehawken Port Imperial (New Jersey) and the Hudson Palisades (West New York). The organization has a 10 year agreement, and the race will be held on existing streets within the municipalities. The circuit will encompass vistas of the New York City Skyline as well as the Hudson River. Officials have estimated that 100,000 or more patrons are expected to attend the three day event.

The Port Imperial Street Circuit is a planned 3.2-mile (5.1 km) motor racing circuit in Hudson County, New Jersey.

REGAL will be supporting PIRA through performing multiple analyses and creating a 3D model of the race course to simulate the flow of patrons throughout the venue in support of emergency planning and overall patron experience. REGAL will support overall site development as well as the planning and preparation with regards to resource placement and allocation, infrastructure design, transportation schedules, capacity planning, and overall emergency management preparedness. REGAL's role will allow senior leadership to more appropriately plan and prepare for the event and will provide support for a safe and secure race while ensuring an enjoyable and memorable experience.

The Grand Prix of America will be New Jersey's first Formula One event. The last Formula One race in the United States was held in 2007 on a specially designed course at the Indianapolis Motor Speedway. For this race, the start line is planned to be located next to the NY Waterway ferry terminal, with the pits and paddock located between the ferry terminal and Port Imperial Boulevard. The first portion of the circuit will run along the Hudson River Waterfront Walkway, and wind through Port Imperial which will allow the cars to race through Port Imperial before climbing the Hudson Palisades.

Seize the Power of Simulation Technology

products & performance

REGAL at the Forefront

REGAL's BorderWizard software get's major upgrade for Version 7.0

As BorderWizard has matured over the last ten years it has been updated and modified extensively to keep up with the modeling capabilities necessary to maintain the constantly changing operational and technological needs of a land port of entry. Additionally, since development of BorderWizard started in the year 2000, the original programming methodologies used to develop the program reflect legacy paradigms that are antiquated by today's standards. Therefore, a major upgrade of BorderWizard to 7.0 was determined to be necessary to ensure that it continues to support the General Services Administration (GSA) and Customs and Border Protection (CBP) with valuable land border simulation analyses.

All modules in BorderWizard have been upgraded to use more up to date and stable versions of compilers, supporting Windows 7. There are minor changes to the look-and-feel of some of the user interfaces; but overall functionality & visualization capabilities are the same. In essence, this upgrade allows Border-Wizard developers to take advantage of all the Windows 7 features. Given the shift by PC vendors to predominantly supply PCs with Windows 7, it is inevitable that the US government will, in the near future, require this operating system.

BorderWizard 7.0 is currently undergoing beta testing and is scheduled for release in the near future.

REGAL says goodbye to a Valued Employee

Jenish Joseph, REGAL's former Vice President of technology has decided to further his experience and enter into the world of consulting. Jenish graduated from the University of Maryland in 2001. During his tenure at REGAL, he accumulated over ten years of experience in the development of software applications. Jenish also gained over seven years of experience in statistical analysis and project management as well. Through his development and growth from within, Jenish oversaw and led a team of software developers in the continued development efforts for the Evacuation Planning Tool (EPT), BorderWizard and the CanSim software applications. His pursuit to stay ahead led him to receive his MBA from the Wharton School of Business in May of 2011. Jenish's resourcefulness and contributions were a key to many of REGAL's successful programs. The REGAL team is excited for Jenish and wishes him the best of luck on his future endeavors.

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