



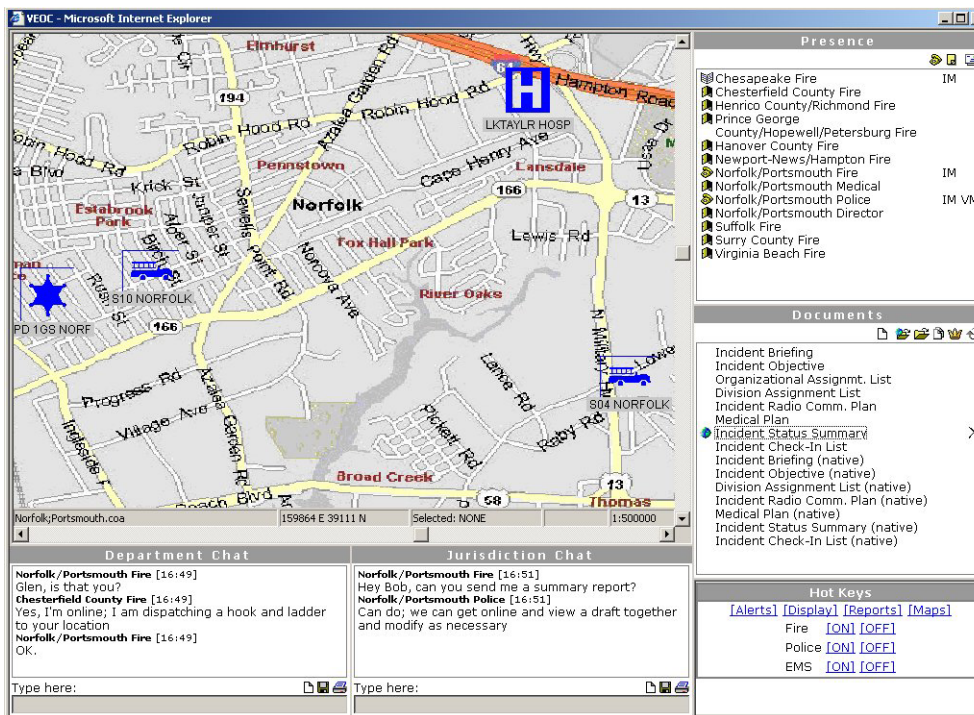
Web-based Secure Real-Time Communication and Collaboration

CollabWorx in Homeland Security Solutions

Virtual Emergency Operations Center

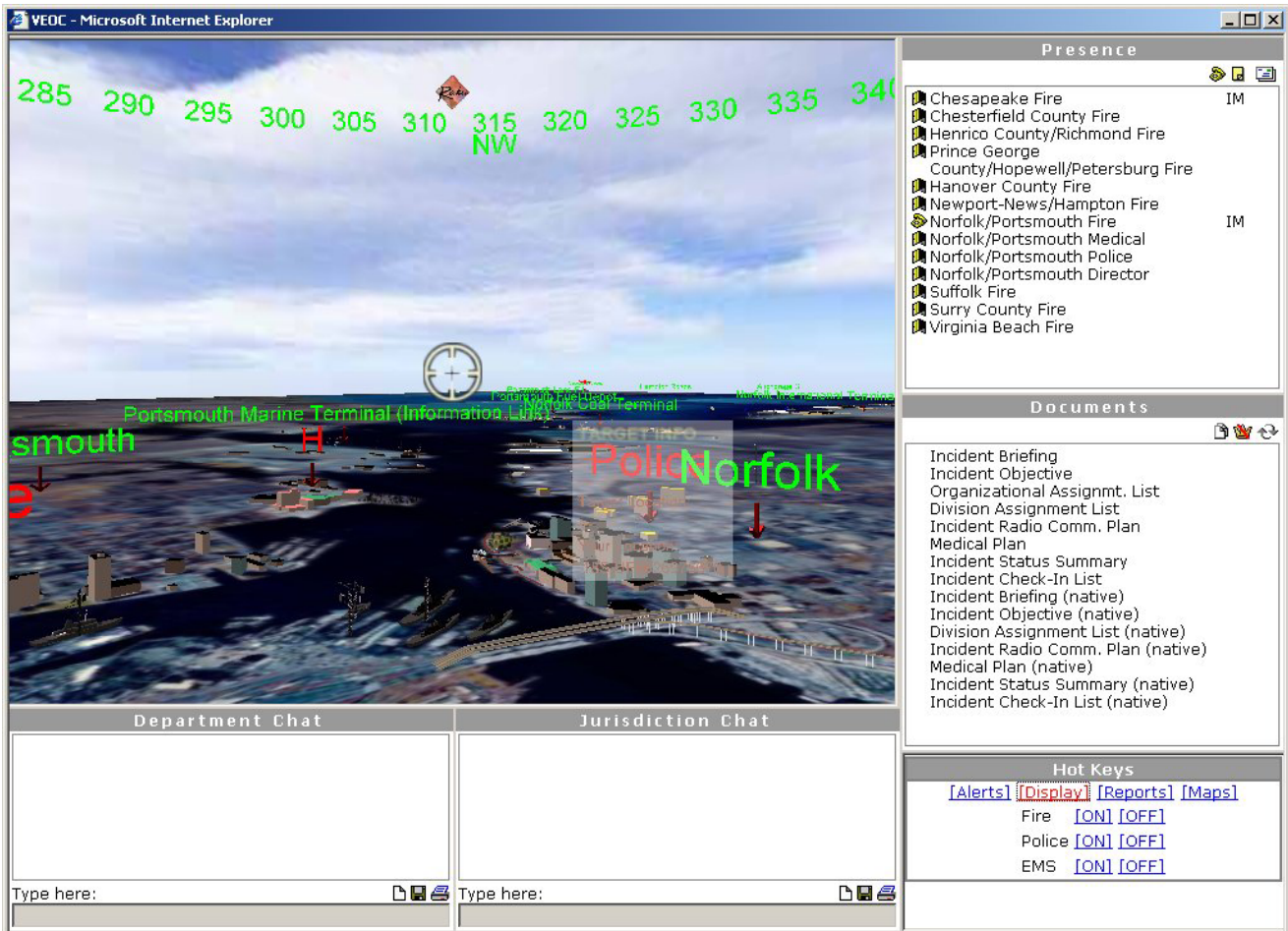
CollabWorx formed a close partnership with Global Information Systems Technology, Inc. (GIST) to develop the first comprehensive Virtual Emergency Operations Center (VEOC), a real-time environment for collaborative training and for command and control of emergencies. This joint initiative also supports Raytheon's most recent release of Civil Emergency Reaction and Responder Training System (CERRTS), which embeds the web-based VEOC.

Raytheon's CERRTS is a viable Homeland Security command and control training tool that introduces and integrates COTS-based virtual and constructive simulation technologies to support training of the Homeland Security professional. Raytheon's CERRTS supports an integrated, immersive, cost effective, web-based, Homeland Security training environment for Emergency Operations Centers, Incident Command and Emergency First Responders. Raytheon's CERRTS distinctive attribute is the Nuclear, Biological, Chemical (NBC) model that simulates the effects of NBC agents.



VEOC embeds CollabWorx's Secure Real-Time Collaboration (SRTC) platform providing instant messaging, ad-hoc virtual meetings with presence, private and public simultaneous chats between multiple overlapping communities (jurisdictions and departments), full duplex audio, live multi-party video with contextual document sharing and shared annotations. The solution provides a communications and collaboration environment for groups separated geographically or by role/department (fire,

police, medical). Permanent logs are kept of chat sessions. VEOC provides advanced map tools, supporting 2D maps and 3D VRML maps. The maps display emergency unit icons that move with the simulation. 2D and 3D maps can be simultaneously displayed with synchronized navigation between the two and easy switching between different map views. Alerts and reports (medical, medical evacuation, or casualty) for user-selected emergency units are also available.



GIST has also chosen CollabWorx to support integration of its real-time collaborative environment into the award-winning GIST Virtual Tactical Operations Center (VTOC). In producing the VEOC the VTOC was highly modified to virtually portray the unique process and procedures of many of the country's most sophisticated Emergency Operations Centers. Now the experience and lessons learned from the joint work on the VEOC program are being applied toward improving the operational collaboration and realism of GIST's military training solutions.

Both GIST and Raytheon have selected CollabWorx and its software platform for the core real-time collaboration engine of their training systems thanks to the following CollabWorx contributions:

- Very strong expertise in real-time collaboration for the Web; supported by fully functional and programmable software platform, capable of both rapid extending existing user interfaces by adding off-shelf collaboration modules and of converting stand-alone applications into interactive collaborative tools,
- Quality and speed of deliveries on the initial contract, and
- Breadth of the available collaboration functionalities and unparalleled security of the solution.