



**NEWS**

***For Immediate Release***

## **SAFER Systems Launches Major New Release of its SAFER Real-Time<sup>®</sup> Chemical Emergency Management System**

**SAFER Real-Time Version 10 uniquely equips organizations that manufacture, process, store or transport hazardous materials, emergency responders and others with vital information that enables better emergency planning, decision-making and response.**

**Camarillo, California, USA; November 6, 2008** – SAFER Systems, the global technology leader in chemical emergency management solutions, today announced that it has released the latest version of SAFER Real-Time, the company's highly integrated and comprehensive system for detecting, analyzing and responding to toxic chemical release emergencies. SAFER Real-Time Version 10 uniquely equips its users with a range of vital information that enables better emergency planning, decision-making and response.

The flagship of SAFER Systems' chemical emergency management product portfolio, SAFER Real-Time is used by organizations worldwide that manufacture, process, store or transport hazardous materials to detect the release of toxic chemicals at the earliest stages and predict in real-time how the plume will disperse.

Version 10 enhances the already robust capabilities of SAFER Real-Time by enabling additional critical data to be gathered, integrated and applied. New features in Version 10 enhance users' ability to detect a toxic release using high-sensitivity Open Path optical sensors, estimate its source area location, predict and share data on the plume's likely path, integrate Internet-based weather data, and map and share plume data using Google Maps™ and Google Earth™.

"In the chaotic and frantic aftermath of a toxic chemical release, accurate information – delivered rapidly in a visual, easy-to-comprehend format – is critical to understanding the scope and magnitude of the event and thus is vitally important to saving lives and resources," said Ernest Gilbert, President, SAFER Systems. "Our mission is to provide a comprehensive solution that allows our users to take every precaution in minimizing the risk of exposure to an accidental or intentional release in protecting their employees and the communities in which they operate.

“The SAFER Real-Time chemical emergency management solution helps companies all over the world to predict what would happen in the event of a chemical release, permitting them to take necessary steps to plan for such an event and to make informed decisions as to how to most-effectively handle an event should one occur,” said Gilbert.

Version 10 of SAFER Real-Time adds new state-of-the-art technologies that are tightly integrated within the highly automated SAFER Real-Time system and that uniquely equip users and responders with vital information that can help them detect a chemical emergency more quickly, and better respond should the need arise. These new features include:

**Open Path sensor detection** – Real-Time Version 10 can integrate data feeds from Open Path sensors (laser, ultraviolet or infrared light sources) to measure chemical concentrations at parts-per-billion (ppb) levels across an open path of air at a distance of 200 meters. This allows the system to define the chemical composition of single or multi-component gaseous streams. Version 10 also applies SAFER Systems’ patented Advanced Back Calculation (ABC) model to work with open path sensor data. Using a new, patent-pending ABC-Open Path module, SAFER Real-Time can determine the release rate for each source within the stream on a “24/7” basis, enabling alarms to be triggered when defined levels are exceeded.

**Source Area Locator™ (patent pending)** – Version 10 uses complex algorithms to analyze real-time data on wind speed and direction along with gas concentration levels from at least two gas sensors to locate a release source area – an industry “first.” Combined with meteorology data, knowing the source area of a chemical release, odor or attack is critically useful to emergency responders in containing the release, predicting the plume path and making informed decisions about escape routes, shelter-in-place options, etc.

**Internet weather data integration** – Version 10 adds the ability to accept streaming meteorological data from any of some 8,000 Weatherbug® Professional Internet weather stations scattered across North America or from 4,300 weather stations on other continents, as well as to take input from stations connected directly to the SAFER Real-Time system or from manually-entered data. Weatherbug weather stations allow users to quickly calculate and model the likely course of a simulated or actual chemical plume that extends beyond the scope of fixed weather stations, and help first responders better assess a chemical event in early and subsequent stages.

**Internet-based terrain mapping** – In regions where significant topographical variations exist, the SAFER Real-Time system uses site-specific topography to ensure that plume dispersion conforms to the terrain and is consistent with meteorological measurements. With Version 10, geocoded graphical plume models can be rendered using Google Maps software and exported to Google Earth as a Keyhole Markup Language (.kml) file. The exported file can then be sent as an email attachment for display on any computer running Google Earth freeware. All of the viewing and layering tools of the Google suite – including tilt, rotate, geographic web, roads,

3D buildings, borders, traffic, weather, places of interest and terrain – are available when viewing a plume's impact.

**OPC linkage** – This Version 10 feature facilitates data communication between the Real-Time system and the distributed control systems (DCSs) at the heart of most manufacturing processes today. These vast DCS networks are essential for monitoring and controlling chemical plants and refineries, and in receiving the sensor data associated with their processes. With the OPC linkage, SAFER Real-Time users have access to the real-time plant data needed for effective detection, analysis and response.

“By integrating sophisticated electronics with leading-edge digital technology and data in a single comprehensive system, SAFER Real-Time Version 10 provides the most advanced tool set available to quickly detect and analyze the behavior of a chemical incident and promote rapid and appropriate response,” said Gilbert.

“With SAFER Real-Time Version 10, users are better able to see what the effects would be within their facility, the local community and surrounding environment of different release scenarios for their particular situations, to plan accordingly, and to respond more quickly and more collaboratively.”

SAFER Real-Time Version 10 requires a PC or compatible computer running Microsoft Windows XP (and soon VISTA) with at least 512MB of RAM and 20GB of disk space. The new software, which has been released to customers with support contracts, is available immediately from SAFER Systems at <http://www.safersystemv10.com> or by calling SAFER Systems at 1-800-621-7237 (US/Canada) or +1-805-383-9711.

### **About SAFER Systems**

Founded in 1978, SAFER Systems is the global technology leader in chemical emergency management solutions, with advanced chemical plume modeling software that integrates real-time weather and sensor data. The company's scalable state-of-the-art solutions, which incorporate patented technologies, are designed to detect and accurately predict in real-time the dispersion of accidental or terrorist related releases of toxic chemical agents. Using SAFER Systems products, organizations worldwide that manufacture, process, store or transport hazardous materials and the communities in which they operate can better estimate the associated risks, thoroughly prepare for the possibility of a chemical release, and quickly determine the best ways to mitigate those risks when responding to an actual emergency. The company's international customer base includes over 70% of *Fortune 500* chemical and petroleum companies, all Class 1 railroads in North America, and many government HazMat/First Responders, including teams located in U.S. cities and states and Canadian provinces, as well as the Civil Defense agencies of Singapore and Luxembourg. Other customers and applications for SAFER Systems' products include pharmaceutical manufacturers; nuclear reprocessing facilities; smelters; oil and gas pipelines; pulp and paper plants; chemical storage and transporters; engineering and consulting firms involved in

plant construction/expansion, safety or environmental health; and seaports and airports around the world. Headquartered in Camarillo, California, SAFER Systems maintains regional sales and support offices in the United States, Canada and Europe, and supports a network of authorized sales and service agents throughout the world. For more information, visit <http://www.safersystemv10.com>.

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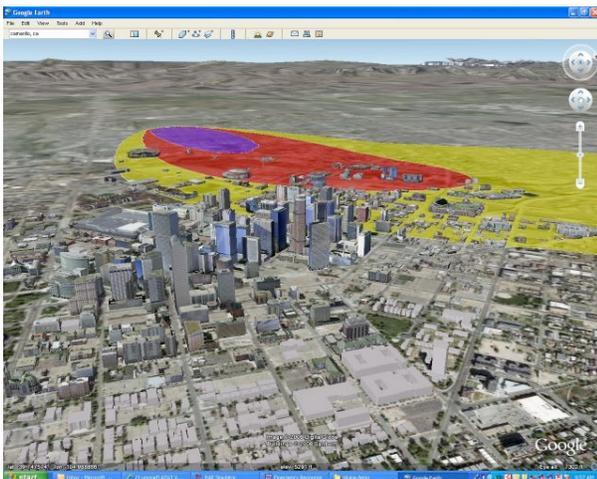
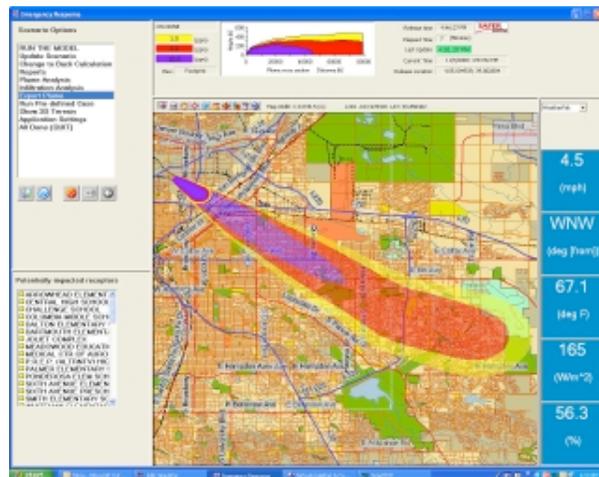
SAFER Real-Time is a registered trademark and Source Area Locator is a trademark of SAFER Systems, L.L.C. All other product names are trademarks or registered trademarks of their respective companies.

High-resolution images of the SAFER Real-Time chemical emergency management system and an interactive Google Earth Keyhole Markup Language file are available from either of the following contacts.

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SAFER Real-Time® Version 10 enhances the already robust capabilities of SAFER Real-Time by integrating state-of-the-art technologies within the highly automated system to uniquely equip users and responders with vital real-time information that can help them detect a chemical emergency more quickly and better respond should the need arise.

Version 10 of SAFER Systems' chemical emergency management system includes new features for detection, source area location, and use of Google Maps and Google Earth for terrain mapping and 3-D viewing, among others.