

Mobilize Quickly in Emergency Response Situations



Emergency responders are trained to deal with a range of threats, including gas hazards resulting from chemical spills. In such situations, a responder's main concern is that the spill could present a toxic or combustible hazard to anyone working or living near the accident. Emergency responders will work to quickly set up a perimeter around the area of the leak or spill. They will also establish a safe zone, at a distance from the spill, that acts as a command center.

After establishing the command center, responders will set up personal and area gas monitoring to ensure that any responding workers are protected and that the public is clear from any areas where the gases may spread. Since vapors coming off liquid leaks are just as dangerous, but potentially impossible to see or smell, speed of setup is critical. A common problem that responders face is that some gas monitoring systems are difficult to deploy, resulting in lost time when it comes to cleanup, evacuation, or rescue.

The Radius® BZ1 Area Monitor has become a popular choice for detecting changes in gas levels at chemical spill sites, thanks to its quick and easy setup. Users can simply turn the instruments on and get to work. The Radius BZ1 can detect up to seven gases simultaneously (including combustibles, ammonia, chlorine, and volatile organic compounds) and connect wirelessly in groups of up to 25 units upon start-up. The Radius instantly begins sharing readings and alarms with other units hundreds of meters away.

With the RGX™ Gateway, emergency responders can send gas readings in real time to colleagues at the command center miles away. The RGX Gateway communicates wirelessly with

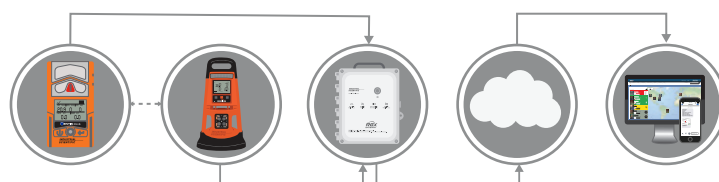


Figure 1: By adding an RGX Gateway to the LENS group, readings and real time alerts are sent to a central command center.

both the Radius BZ1 and Ventis® Pro monitors using Industrial Scientific's proprietary LENS™ Wireless technology. The RGX then sends that information to the cloud using either cellular, wi-fi, or a wired Ethernet connection. Authorized response workers can then see the gas levels in real time from any web enabled PC, smartphone, or tablet using Industrial Scientific's iNet® Now live monitoring software. Battalion chiefs, assistants, or fire chiefs can receive alerts via text message or email whenever critical gas levels are reached.

After the chemical leak has been remediated, the RGX Gateway allows responders to monitor gas levels at the hazardous zone from the convenience of their station. Using the RGX with Radius and Ventis Pro, responders can continuously ensure that gas levels are not putting the public in danger.

Because the RGX Gateway and iNet Now only take minutes to deploy, first responders can truly act in the moment to protect the public and mitigate long-term risk associated with chemical leaks or spills.

To explore all the benefits of the RGX Gateway, visit Industrial Scientific at www.indsci.com/rgx.