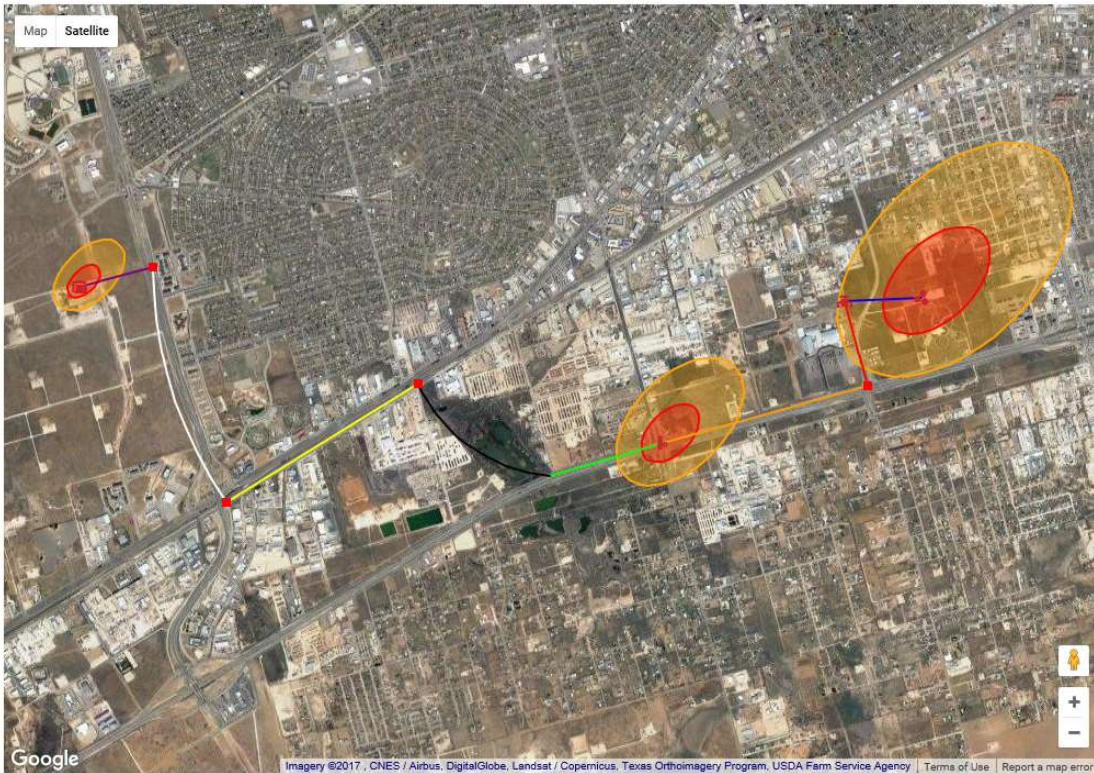


## Who Is Your Leak Detection Device?



Example Multiple Gas Leaks Dispersion Models. HCI Systems, Inc.

Once upon a time I lived in a neighborhood that had serious issues with their underground water, sewer and gas piping. It looked like the city water department had a permanent crew digging up water and sewer mains that have leaked, broke or otherwise failed. I recall one morning I was awoken by waterfall sounding noises and flashing red beacons. As I went to investigate, I was greeted by Officer Joe who informed me that the city water main broke on my property. Oh Great. He called the city but no one was there at 3 AM in the morning. So we sat and talked and watched as much of my front lawn floated down the street. It guess it was my turn. As it was the weekend, I brought out some chairs and watched the repair crew replace the section of pipe. I was surprised to see a 3 inch hole and no other obvious signs or damage. Hmmm.

Taking walks also was an adventure as you could smell the Mercaptan from all the gas line leaks. Over time, these gas leaks would tend to kill your grass, so you would report it as soon as possible. Kids (I think) thought it was a funny night time prank to light-up the leaks for a special effects. Imagine looking down the street and seeing ten or more ground flares. Well, that got the attention of the gas company.



So who is your leak detection device?

If your equipment is concentrated, installing stationary gas detection devices seems logical. If your equipment is spatially distributed, aerial drones could help. But if you are talking about hundreds of miles, this becomes a full time job for a lot of people. Likely your leak detection device will be the public, or in my case, Office Joe.

This lead-in is for a company called Satelytics. If this company is new to you, you need to visit their website at [www.satelytics.com](http://www.satelytics.com). They offer really cool services that are turning GEO Spatial information into actionable data for risk management, detecting leaks (Hydro-carbon & Methane), ROW encroachments and more using high resolution satellite imagery data and analytics presented on a GEO spatial platform. (Ask for Dave Weaver [dweaver@satelytics.com](mailto:dweaver@satelytics.com)).

Dispersion modeling these identified leaks using HCI's Google Map interface displays this information for projection trending and exposure risks. Example ROE screen is below with wind from the SW direction.

We Are HCI Software.

[www.hcisoftware.com](http://www.hcisoftware.com)

[sales@hcissoftware.biz](mailto:sales@hcissoftware.biz)