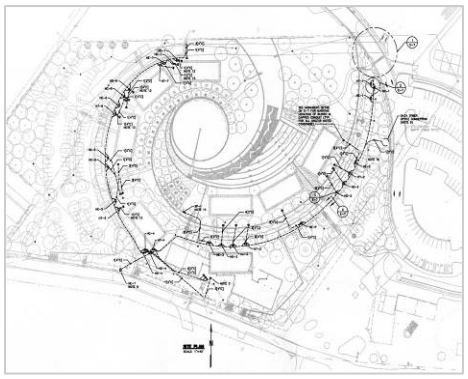
Hazardous Gas Detection Projects

The presence of hazardous location gases and vapors can result in serious consequences, which is why detection equipment and control systems are crucial. It is important to recognize potential hazards and to provide detection equipment to minimize the consequences that could result.



ArcSine Engineering has extensive experience in the design of hazardous location gas detection and control systems for many facility types. Many of our projects include hazardous locations which are required to be monitored and alarmed to protect personnel in a hazardous space. Alarming systems can be as simple as a localized audible/visual alarm, or as complex as a complete automated system monitored from a central station. ArcSine Engineering has provided hazardous location gas detection designs for the following types of projects:

- Municipal corporation yards
- Vehicle maintenance and refueling stations
- Fuel systems for standby generators
- Municipal pumping stations and treatment facilities
- Heaters and boilers
- Industrial waste treatment plants
- Landfill and landfill gas extraction
- Fueling systems for marinas
- Analytical laboratories
- Parking garages
- Water treatment plants

Hazardous location materials which ArcSine regularly encounters include:

- General combustible gases
- Natural gas
- Methane and propane
- Gasoline and other flammable and explosive vapors
- Chlorine, sulfur dioxide, ammonia, and other toxic vapors
- Carbon monoxide
- Oxygen deficiency

Some of our clients include:

- McConnel Foundation Maintenance Facility and Corporation Yard, Redding, California
- Gibraltar Water Pumping Station, Milpitas, California
- Ignacio Sewage Pumping Station, Novato, California
- City of Brentwood Wastewater Treatment Plant, Brentwood, California
- East Bay Municipal Utility District Pumping Stations
- School Bus Refueling Facility, Vallejo, California
- Treatment Plant, San Diego California
- NASA-Ames Research Center, Moffett Field, California
- Regional Transit System Refueling Station, Sacramento, California