

Factors influencing sensor positioning

Personnel to be involved:

Process engineer
Health and safety officer
Manufacturer or his representative
Instrument engineer

Factors that influence the locating of sensors:

Indoor or outdoor location
Potential release location/s of the gas/es
Vapour density of the gas
Air flows
Release rate of the gas
Is the gas source likely to be under pressure? Possible jet formation and or will the gas density be changed?
Ventilation: natural or mechanical
Plant layout/structural arrangements and their effect on gas accumulation
Thermal effects caused by temperature hotspots
Wind speed and direction effecting outdoor location
Impact of adverse weather conditions on sensors in outdoor locations
Consideration to service engineers for access to sensors during routine calibration

Gas Detection at its Best