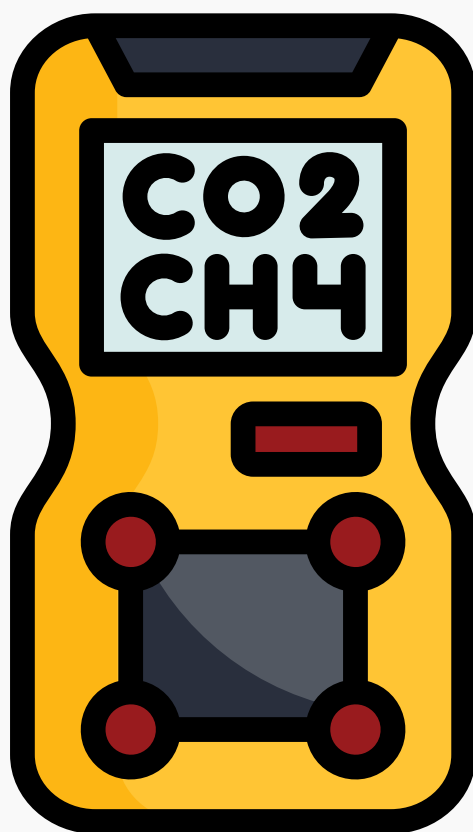


Applications



# VOC & SF6 Gas Detection

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

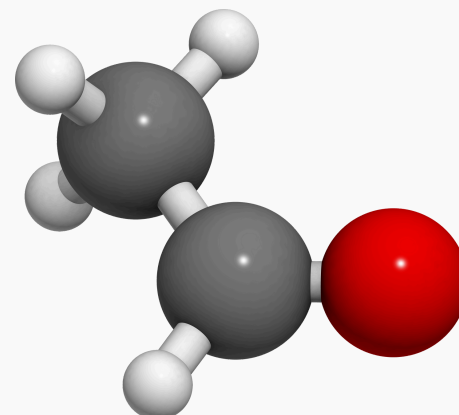
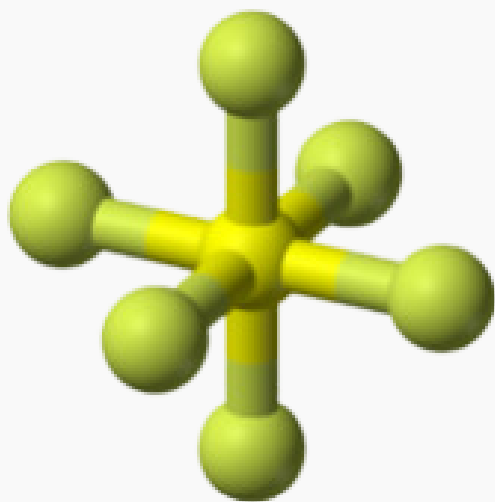




# What are VOC & SF6 Gases?

Cheap and non-flammable, SF<sub>6</sub> is a colourless, odourless, synthetic gas. It makes a hugely effective insulating material for medium and high-voltage electrical installations.

Volatile organic compounds are compounds that have a high vapor pressure and low water solubility. Many VOCs are human-made chemicals that are used and produced in the manufacture of paints, pharmaceuticals, and refrigerants. Methane, Butane and Propane are other types of VOC gases



# Gas for Electricity Generation.

2

Methane Biogas can be manufactured and then burned during the generation of electricity. It is manufactured from waste products. Biogas produced by the methanisation of fermentable organic matter (farm effluents, agricultural crop residues, municipal waste etc.) is then used for the purposes of producing heat and electricity (cogeneration). These plants need to be regularly inspected for leaks



# 3

## The Solution

Fira Vision's GD10 (VOC) Atex-certified gas detection camera can see VOC gas leaks.

It can detect

Methane, Ethane, Propane, Butane, Ethylene, Propylene, Benzene, Ethanol, Ethylbenzene, Heptane, Hexane, Isoprene, Methanol, MEK, MIBK, Octane, Pentane, 1-Pentene, Toluene, Xylene.

Its can be used in conjunction with the GF10 VOC gas analyzer



# SF6 for Cooling

4

Around 80% of the SF6 used globally is in electricity transmission and distribution. Medium and high-voltage electrical equipment contains SF6 to insulate the live electrical parts and to switch the flow of electrical current on and off. This same equipment is also used to connect the generation and storage of renewable energy.

Renewable technology also uses the gas – for example, switchgear for wind turbines use it to prevent overloads.



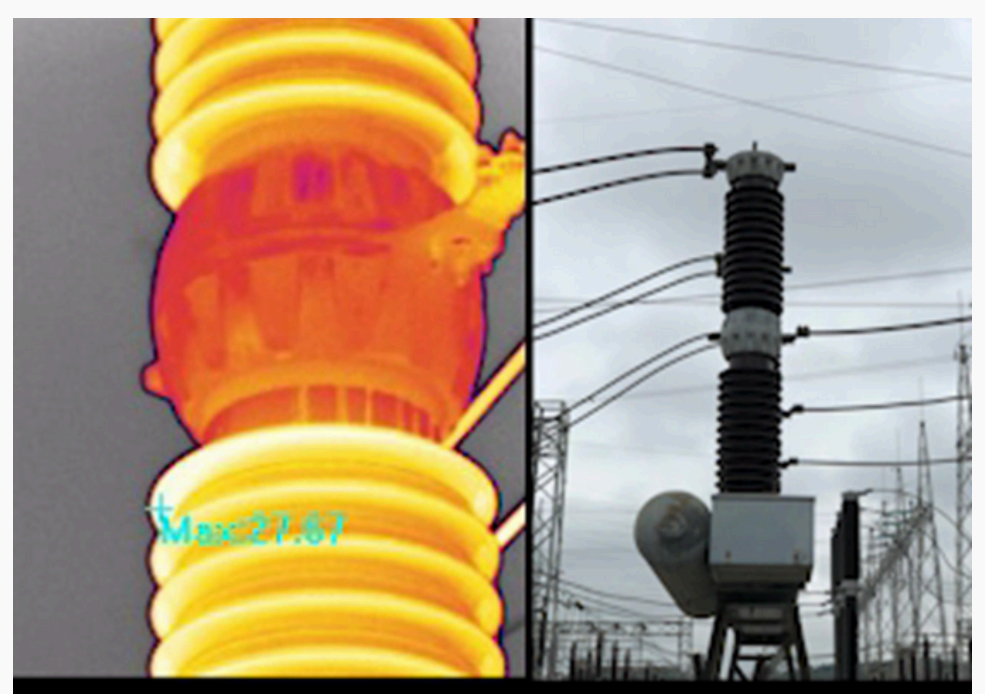
# 5

## The Solution

Fira Vision's GD20 (SF6) gas detection camera can see SF6 gas leaks.

It can detect

Sulfur hexafluoride, ammonia, acetyl chloride, acetic acid, allyl bromide, allyl fluoride, allyl chloride, methane bromide, chlorine dioxide, ethyl cyanoacrylate, ethylene,



# The Result



Fira Visions full range of preventive maintenance tools from handheld gas detection cameras as well as GF10 VOC Gas Analyzers give maintenance teams the full range of tools required detect and analyze gases.



Contact Us

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