

# OGTECH

#### Oil & Gas Technologies



GasViewer



#### FlamViewer

OilViewer

#### GasViewer GV-P-3234 /GV-P-714 Gas detection Portable cameras

Oil&GasTechnologies www.og-tech.fr



### Presentation





OG-Tech was established in 2011 in Aix-en-Provence, South of France, to serve customers of the Petroleum, Petrochemical and Power industries in France (Total, Petro Ineos, Lyondel Basel, Kem one, Elengy, GRTGaz...).

We specialized in high tech detection systems :

- Optical Gas Imaging cameras
- Flames and hot spots detection cameras
- Oil detection on water

With the years we became integrator to offer our customer full turnkey solutions including our own cameras, power and transmission solutions.

In addition to selling equipment, we can propose LDAR service to our customer, as per the EN15446/EPA Method 21 regulations





Oil & Gas Technol

GasVie

Aix en Provenc

#### Our Iso 9001:2015





ISO 9001:2015

Domaine d'activité

CONCEPTION, DEVELOPPEMENT ET INTEGRATION DE SYSTEMES DE DETECTION VISUELLES DE DEFAILLANCES TECHNOLOGIQUES (DETECTION DE GAZ, FLAMMES, POINTS CHAUDS ET D'HUILE SUR L'EAU). PRESTATION DE DETECTION SUR SITES CLIENT ET LOCATION DE SYSTEME DE DÉTECTION VISUELS.

DESIGN, DEVELOPMENT AND INTEGRATION OF TECHNOLOGICAL FAILURES VISUAL DETECTION SYSTEMS (GAS, FLAME, HOT SPOT, OIL ON WATER) AND CONTROL SERVICE ON CUSTOMER SITE.

Date d'entrée en vigueur : 13 septembre 2021

Sous réserve du fonctionnement continu et satisfaisant du système de management de l'organisme, ce certificat est valable jusqu'au : 12 septembre 2024

Date originale de certification : 13 septembre 2021

Laurent CROGUENNEC - Président

Certificat n° : FR066805-1 Affaire n° : 10561875

BUREAU



cofra

ERTIFICATION E SYSTEME MANAGEMEN

Adresse de l'organisme certificateur : Bureau Veritas Certification France Le Triangle de l'Arche - 9 Cours du Triangle - 92937 Paris La Défense

Des informations supplémentaires concernant le périmètre de ce certificat ainsi que l'applicabilité des exégences du système de management peuvent être obtenues en consultant l'organisme. Pour vérifier la validité de ce certificat, vous pouvez téléphone au + 33 (0) 14 19 700 60.





## OG Tech products range





Transportable OGI - Hyper spectral -

# Cameras

(portable and fixed)

400+ gases detected



GV-Q-3234 Quantification software for portable or fixed camera



## OG Tech products range

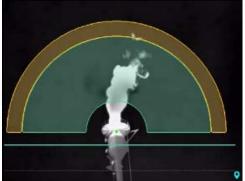




Hot spot & Flame detection (including H2, methanol and sulfur)

FlamViewer

**Flames detection** 



Flare Monitoring solution

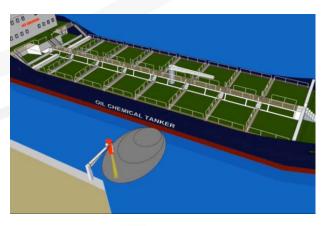
Light and heavy oil touchless detection on water





**OilViewer** 

**Oil on water detection** 





# 01

GV-P-3234 / GV-P-714 OPTICAL GAS IMAGING PORTABLE CAMERAS



# GasViewer



# 1A – Portable cameras GV-P ATEX certified OGI cameras





**GV-P-3234** – for VOC **GV-P-4547** – for CO/CO2

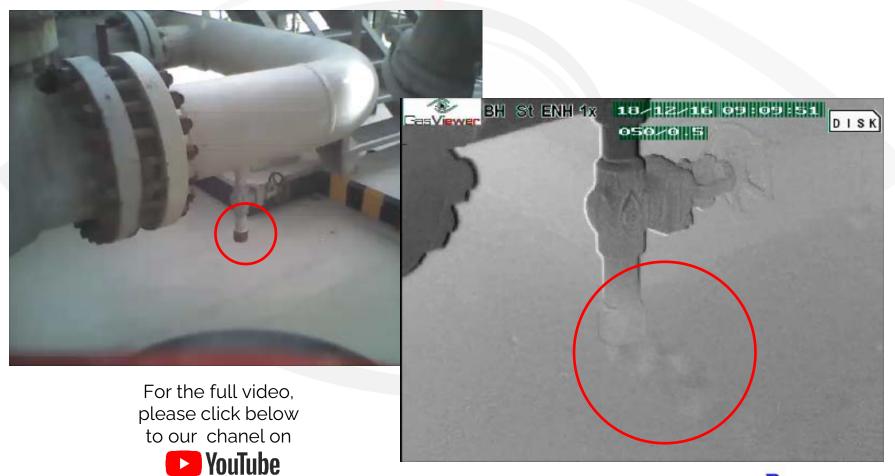
**GV-P-714** for NH3 – SF6 and cooling gases





#### We can see ..... Small leaks ...

1A -Portable OGI camera







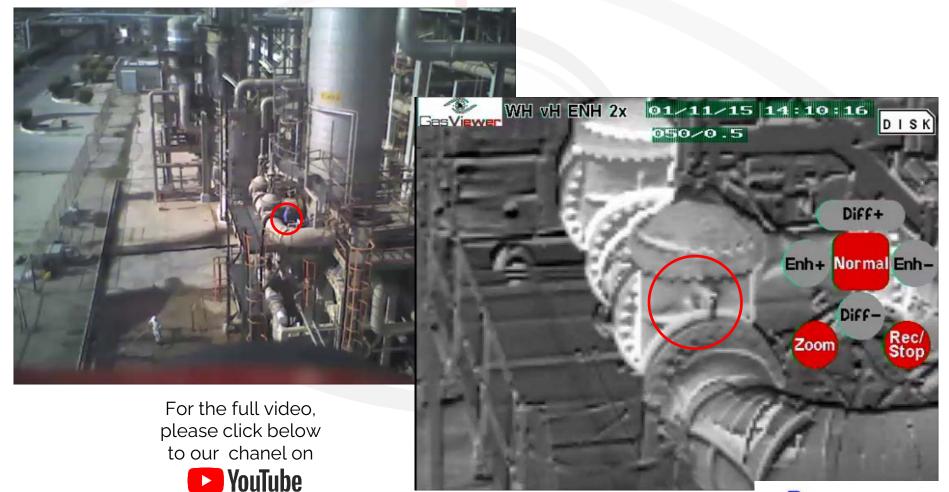
#### We can see .... Big leaks ...

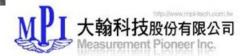






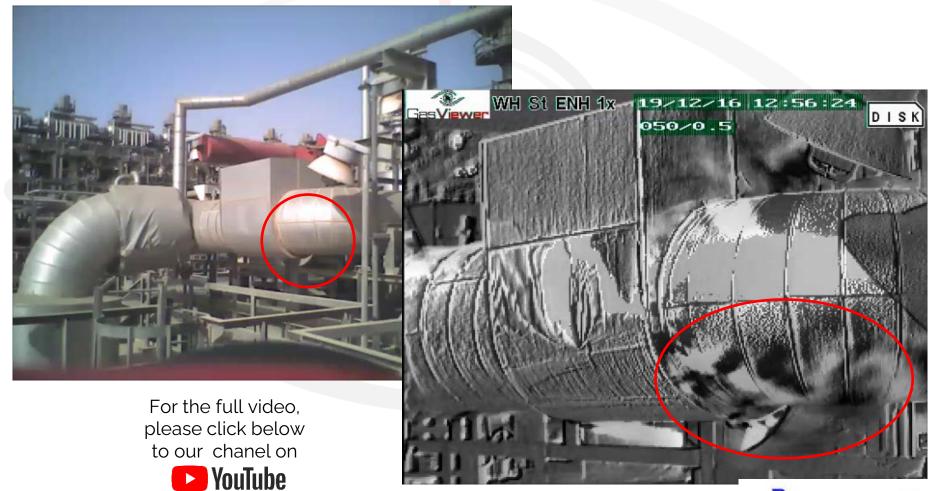
#### We can see .... Leaks from a distance...







#### We can see .... Leaks under insulation...







#### We can see .... Underground leaks...



to our chanel on







DISK

#### We can see .... Unexpected leaks...



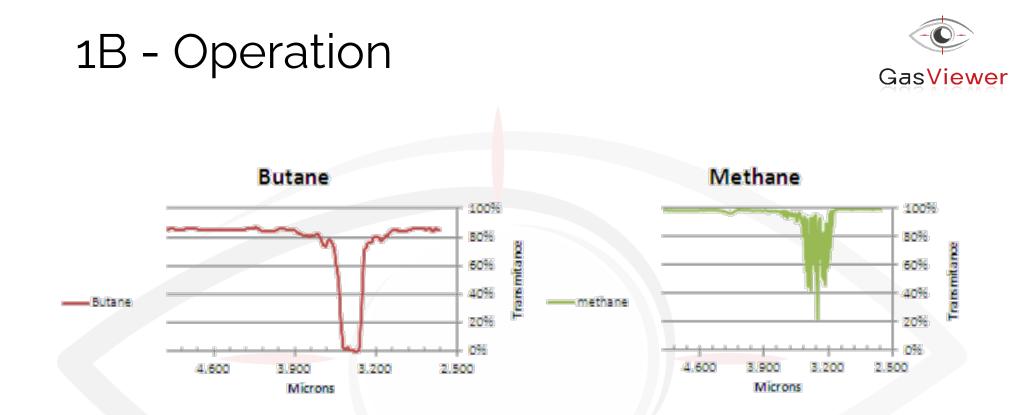




#### We can see .... Unexpected leaks...







Our camera detects when gases absorb electromagnetic waves from the background, whatever it is.

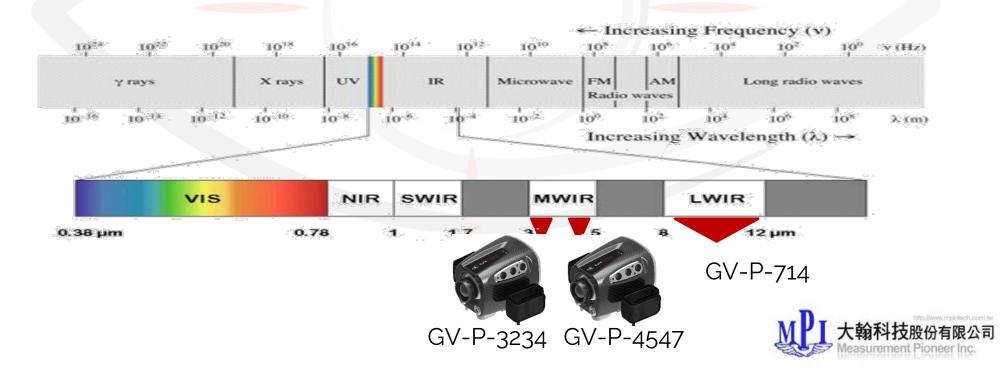
Each gas has a specific absorption signature in the IR range.

### 1B - Operation



Our cameras are calibrated to see gases with absorption wave lengths between :

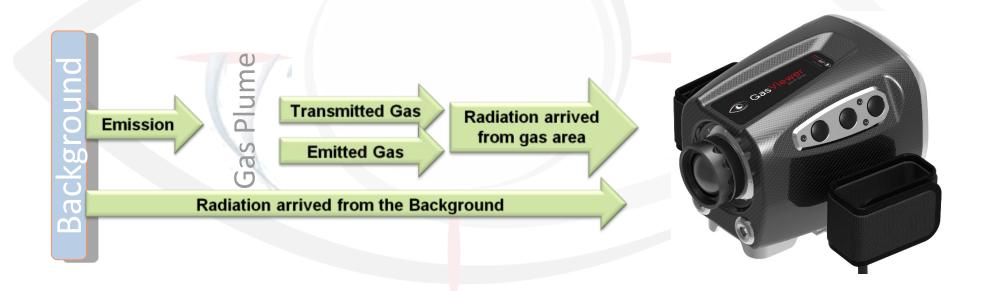
- **GV-P-3234**: 3,2 and 3, 4 μm (All VOC)
- **GV-P-4547** : 4,5 and 4,7 µm (CO and CO2)
- **GV-P-714** : 7 and 14  $\mu$ m (NH3, SF6 and cooling gases)







# Actually, the gas acts like a curtain between the camera and the background.





### 1C - Options



As an option, our GV-P-3234 can be connected wirelessly to our ATEX tablet including a colorization and quantification (flow estimation) software for the detected gas leak.



#### CONTACT US

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