



**Gas & Flame Detection, Environment Monitoring**

# Custom Gas Detection Solutions

## Key components:

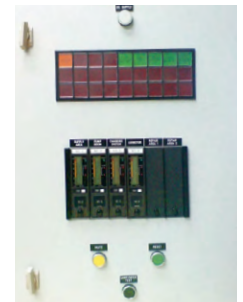
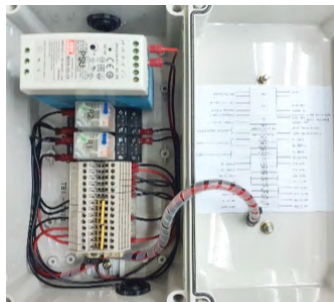
- ✔ Control panels and alarm systems
- ✔ Gas sampling and conditioning equipment
- ✔ Local HMI software interface for on-site monitoring
- ✔ Cloud software for remote monitoring
- ✔ Wireless signal transmission for remote / vast systems
- ✔ Solar powered system for remote locations
- ✔ Mobile gas detector systems

## INTRODUCTION

Minerva has many years of experience in engineering design and project delivery of customized gas detection systems. We work with customers at the preliminary stage to understand, identify and develop application requirements which then allow us to design customized solutions to meet these requirements.



## Control panels and alarm systems



- ◆ Centralized equipment status and alarm monitoring,
- ◆ Centralized system power supply with power back-up options
- ◆ Interlock with auxiliary alarm equipment, devices and panels (fire alarm, scrubber etc)
- ◆ SMS Alert function

## Gas sampling and conditioning systems

- ◆ Protect gas detector equipment from damage due to “raw” sample conditions
- ◆ Sample moisture and particulate removal
- ◆ Sample line pressure / flow regulation and cooling
- ◆ Ensures reliable and repeatable measurement results from the gas detectors



## Local and Cloud HMI Interface



Custom graphics and interface design to meet user's needs, alarm indication and logging. Cloud monitoring software for remote access to data, SMS / Email alert feature

## Wireless signal transmission systems



## Solar powered systems



## SMS alerts



## Mobile systems



## Who We Are

Founded in 1988, we exist to help our customers:

- Protect Life & Assets
- Optimize Resource Usage
- Sustain the Environment

We have a heritage in providing innovative solutions and uncompromising support to a wide base of commercial and industrial customers. This is coupled with our application and engineering expertise that allow us to customize solutions to meet exacting requirements.



**MINERVA**

PROTECT | OPTIMIZE | SUSTAIN

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