

## EXPERIENCE THE ADVANTAGE OF THE SPECIALIST!

Benefits and advantages. These are the key issues within EWS. You can rely on our expertise in the field of fumigation. Designing a good fumigation strategy is thinking ahead. Do you prefer the benefits of the specialist? Then choose for expertise in fumigation, monitoring, degassing and gasfree measurements. You also choose for the service of short communication lines, craftsmanship and a 24 Hr service. Try and let the benefits lead you.

### Expertise

#### gas measurements, degassing, fumigation

- vessels
- cargo containers
- bulk cargo
- silos and stacks
- railcars
- trucks



### Reachability

- ship cargos
- factories
- airplanes
- barges, yachts
- antiques, furniture
- quarantine fumigation
- dunnage/ISPM 15



### Service

#### The Netherlands

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# Mobile gaslab

## AIR SAMPLE ANALYSIS ON SITE: UNLOADING CONTAINERS SAFELY

Gas measurement should not cause logistical delays and should take place on site. The ideal measurement is fast, unambiguous, never a false negative and cost-effective. In reality this is often not the case.

Traditionally, within the industry a combination of techniques is used. A variety of measuring equipment and various measuring tubes are needed to achieve a reliable measurement and elimination of the most common residual gases. A thorough measurement takes more than 30 minutes. Furthermore the limitations in measuring range, cross-sensitivity of some methods and difficult readability of sampling tubes can cause uncertain measuring results.

Our mobile gaslabs are equipped with a SYFT-Voice 200 (Selective Ion Flow Tube mass spectrometry). The SYFT identifies and measures a specified list of twenty gases within two minutes. The instrument can detect and identify over four hundred different gases. The measuring range is 1000x more accurate than the traditionally used portable equipment. An ideal and affordable logistical solution!



[www.ews-fumigation.com](http://www.ews-fumigation.com)

# Our services

## Risk Inventory and Evaluation (RI&E)

Opening and/or unloading a container, in which the level of residual gases is unsafe, could be a threat to one's health. It is therefore necessary to make a Risk Inventory and Evaluation (RI&E) for each container and to link this to a balanced monitoring strategy. A professional monitoring and checking system can prevent health risks and accidents caused by highly toxic fumigants.

## Monitoring of residual gases and gas monitoring report

All residual gases, listed by the Dutch regulatory authorities, will be monitored by EWS. These could be fumigation gases or gases used during the production process. If no increased levels are detected, a gas monitoring report will be issued with the advice: "safe to be unpacked". Should the measured levels exceed the MAC value, EWS will advise ventilation and further action will be taken depending on client instructions.

## Speed, accuracy and reliability is provided by our mobile gaslabs with a SYFT-Voice 200

In addition to our measuring units, in combination with the traditional PID meters, Dräger MX-7000, Spectros and a complete set of sampling tubes, EWS also has several analytical gas measuring units. These are equipped with SYFT-Voice 200 analyzer. The SYFT (Selective Ion Flow Tube) is able to very quickly detect, define and measure more than four hundred gases.

The SYFT is computer-controlled, which several advantages:

- The analysis takes only minutes.
- The measuring report is emailed to the client immediately from an internet connection in the mobile gaslab.
- Preset measuring programs, which can be adapted to meet i.e. Dutch, Belgium or German regulatory requirements.
- Monitoring programs include 15, 25 or more gases, which can be adapted to meet the requirements of the client-specific measurement protocol, as defined in the risk inventory (RI&E).
- Online customized measurement protocol, instant results and immediate reporting via email.



## Monitoring for customs on site

Once customs have selected your container for a check on site, a gas monitoring report is obligatory. As stipulated by customs this report may not be older than two hours prior to opening. We can offer you our quick complete services (monitoring and degassing) on location.

## Forced ventilation using NORDIKO® systems

It is necessary to ventilate when the measured levels exceed the MAC-value. Open-door ventilation can take days. Forced ventilation, whether or not using a filter, is an economical choice. For forced ventilation, EWS uses patented NORDIKO® Ventilation & gas recapture systems.

## Removal of residual gases

Containers fumigated with phosphine (PH<sub>3</sub>) often contain solid residue of the fumigant. Should these be present, we can remove and dispose of them according to relevant legislation.



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

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