



# EnviroGuard

## Complete Environmental Monitoring Station

- Fully automated, real-time monitoring system giving total assurance
- 24/7 Web based secure access to information and reporting
- Limit breach alerts via email or on-site audio visual system
- Wireless connection to Mabey Hire LIVESite website portal
- Modular, scaleable solution providing clear accurate information
- Removes need for time consuming hand held surveys or specialist consultants.

**LIVE Instrumentation | Environmental Monitoring Solutions**

## EnviroGuard Unit

The base EnviroGuard unit includes three sensors:

- Dust and airborne particulates
- Noise levels
- Windspeed & direction.

Units are supplied complete with data loggers and 3G/4G modems ready to transfer data to our LIVESite portal. Clients need only supply a mounting point and 110V power source.

All enclosures offered by Mabey Hire have a minimum of an IP65 rating and all come as standard with wall or pole fixing option. The Standard EnviroGuard comes in a lockable, rugged enclosure.



## Consultation

Mabey Hire LIVE Instrumentation engineers' specialise in environmental monitoring techniques and can advise on specific sensors or combination of sensors to provide the level and type of monitoring you require.

Once the monitoring requirement is established, the EnviroGuard unit can be configured from standard components and the pricing can then be confirmed.

Mabey Hire engineers will then confirm how you would like to see your data presented. LIVESite is Mabey Hire's in-house developed software that manages, conditions and then presents data through a unique log in to our secure web site. Mabey Hire engineers will preconfigure your required set up prior to despatch, but there are still many features which are totally configurable by each end user.

## Sensors

Mabey Hire offers a range of sensors for environmental monitoring applications. We are continually expanding our portfolio and are happy to investigate the integration of any specific sensor you require.

The Mabey sensor range currently offers:

- Dust and airborne particulates (light scatter, cyclonic or non-cyclonic, PM10 or PM2.5)
- Noise levels (class 1)
- Wind speed & direction
- Barometric pressure
- Rainfall (tipping bucket)
- Temperature (internal, external, structural, concrete curing)
- PH levels
- Flow rate
- Water pressures
- Water level
- Vibration
- VOCs (volatile organic compounds)
- Gases
- Thermal effect

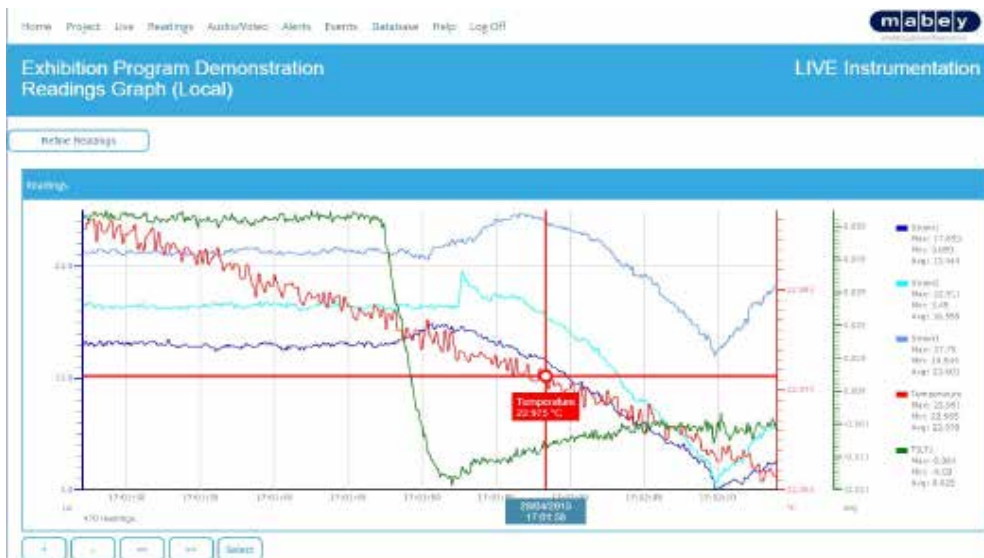
## LIVEsite

Mabey LIVEsite ([www.mabeylivesite.co.uk](http://www.mabeylivesite.co.uk)) is the web portal and software package developed in-house by our engineers and is only available through Mabey Hire. LIVEsite has been designed to provide users with clear, easy to use navigation, standard and configurable views and reports. Mabey Hire engineers will preconfigure your LIVEsite portal as part of the system setup process. You can specify how you would like to see the data presented and what parameters need to be set. Three stage trigger levels can be added with set value thresholds. Once these thresholds are breached, an email is automatically generated to nominated users. These alert emails are also sent to Mabey Hire engineers, who can also interrogate the data and advise accordingly.



Each nominated user is given their own password to LIVEsite and can customise their own view and functionality with ease.

Users can see data from each individual sensor or data from any amount of sensors in each view. They can also select the timeframe of the data they wish to view, whether that is minutes, hours, days, weeks or months.



Viewing of sensors combined with others allows for direct comparison mapping, such as seeing dust levels alongside wind direction provides engineers a real time insight into what is happening.

All data can be printed into reports that are acceptable by most local authority environmental officers. Data can also be exported into databases

that compatible with .csv format such as MS Excel and historical data is readily available. All data from completed projects is held on secure Mabey Hire servers for 3 months should you need to reference it at a later date.

## Applications

The EnviroGuard was designed from the outset to be modular. This enables Mabey Hire to react quickly to customer requirements. There are many applications for which the EnviroGuard can be used, such as:

- Construction Sites
- Demolition Areas
- Waste Transfer Stations
- Boundaries (fence-line) at manufacturing sites
- Roadside traffic monitoring
- Mining and blast areas
- Section 61 compliance
- Temperature monitoring of concrete curing
- Landfill and contaminated land gas monitoring
- Weather monitoring
- Borehole water levels

Such is the versatility of the EnviroGuard concept, Mabey Hire development engineers are happy to discuss any project requirements.

Mabey Hire now offers solutions individually tailored to your monitoring requirements. By bringing together our experienced engineering and site teams, with specialist instrumentation and software engineers, we can offer cost effective practical solutions from the hire of simple hand-held devices to the provision of fully automated monitoring and control systems installed, operated and managed by our dedicated team.



## Mabey Hire LIVE Instrumentation offers:



### Contract Monitoring Solutions

Designed, installed and managed by Mabey LIVE Instrumentation.



### Environmental Monitoring Solutions

From simple hand-held devices to fully automated systems.



### Hired Monitoring Solutions

Preconfigured by our engineers to suit individual requirements, a range of plug and play style monitoring solutions available for hire.



### Calibration & Testing Solutions

Carried out in our purpose built facilities by experienced engineers and technicians.