



WEB-BASED NOISE, VIBRATION AND DUST MONITORING



- SITE PROVEN AND CERTIFIED MONITORS
- STRATEGIC AND PRACTICAL CONTROL OF NOISE, VIBRATION AND DUST USING YOUR COMPUTER, PHONE OR TABLET
- REAL-TIME* LEVELS AND ALERTS
- CURRENT AND HISTORIC LEVELS AVAILABLE ON THE WEBSITE
- CURRENT AND HISTORIC DATA DOWNLOADABLE AS CSV FILES WHICH IMPORT DIRECTLY INTO EXCEL



ALL AT A REALISTIC PRICE AND BACKED BY INDUSTRY-LEADING CUSTOMER SUPPORT

LivEnviro provides real-time* monitoring of Noise, Vibration, Dust and Weather on a single user-friendly web platform.

LivEnviro has rapidly become market leading due to combination of factors:

- A single website for monitoring Noise, Vibration, Dust and Weather;
- An easy to use and intuitive web interface;
- Reliable, accurate, industry-leading sensors;
- Industry-leading technical support and customer service;
- Competitive hardware pricing and subscription rates; and
- A single point of contact that takes responsibility for ensuring the availability of environmental monitoring data.

* Maximum update rate once per minute for noise, dust and weather and 5 minutes for vibration.

LIVE TO WEB NOISE MONITORING BASED ON THE RION NL-52 IEC 61672 CLASS 1 SOUND LEVEL METER



- Up to 5 Simultaneously Applied Noise Limits during any measurement period
- The Whole System Including the Outdoor Microphone Protection has been independently Type Tested to IEC 61672 Class 1
- Maximum update rate 1 minute
- LAeq, LAmaz, and up to five percentiles
- Calculates Effective Remaining Limit (ERL) for Leq Limits and generates Amber Alert when this indicates the limit is likely to be exceeded at the end of the period
- The Rion NL-52 is a Market Leading Sound Level Meter which can be used on its own when not being used in the Live Leq System
- Data Stored on the NL-52 on site are CSV files which can be opened into Excel
- The Rion NL-52 can also be used to store audio (option)



LIVE TO WEB VIBRATION MONITORING BASED ON THE PROFOUND VIBRA+ DIN 45669 VIBRATION METER

- Multiple limits and alarms can be applied simultaneously
- BS 5228: Part 2 "Perception" and "Complaints" Limits
- BS 7385: 2 Frequency - Dependent PPV Limits and Displacement Limit < 4 Hz Limits
- DIN 4150: 3 Building Damage Limits
- Up to 3 user-selectable broad-band PPV limits
- Multiple User-Specifiable Frequency-Dependent Limits
- Users can define whether any specific limit is Amber or Red
- PPV, dominant frequency, and Displacement < 4 Hz shown on the website
- Maximum update rate 5 minutes
- Resolution down to 1 second
- The Profound Vibra+ was designed for and is uniquely suited to demolition and construction
- The Profound Vibra+ has a display and can be set up on site without a computer
- The Profound Vibra+ can be used on its own when not being used in the Live PPV System
- Separate small (500g) geophone with multiple mounting options
- Geophone cone available for subterranean monitoring
- Two month standard battery life with options to extend this or use solar power





LIVE TO WEB DUST MONITORING BASED ON THE MCERTS⁺ COMPLIANT MET ONE ES-642

- Up to 5 Simultaneously Applied Concentration Limits during any measurement period for each particle size
- Maximum update rate up to 1 minute
- MCERTS PM10 as Standard
- TSP and MCERTS PM2.5 (Options)
- Based on the Met One Nephelometer
- Light weight (2.27 kg) sensor units can be mounted separately from logging and communication unit
- Directly measures PM10 (and optionally PM 2.5 and TSP) using sharp cut cyclone filters, dedicated heads and forward laser light scatter
- Smart heater on inlet (rather than continuously heated) - minimises burning off of volatile particulates
- Supplied in co-operation with Enviro-Technology, a leading supplier of Air Quality Monitoring Equipment and Services to Local Government and the UK Environment Agency



LIVE TO WEB WEATHER MONITORING BASED ON THE LUFFT WS 600

- Based on the WS 600 manufactured in Germany by Lufft
- Precipitation Amount and Type measured by Doppler Radar
- Windspeed and direction measured using ultrasonic sensors
- Automatic self-orientation using in-built electronic compass
- Temperature
- Pressure





NOISE, VIBRATION, DUST AND WEATHER ON A SINGLE WEB PLATFORM

- Google Maps Based Site View - see whether Noise, Vibration and Dust Monitors are operating and whether limits are being exceeded (or in danger of being exceeded)
- Manager's Home Page - see whether all your LivEnviro Noise, Vibration and Dust Monitors are operating and whether limits are being exceeded across all of your projects on a single web page
- Up to 24 periods per day each with different user-defined limits and different periods/limits/alarms can be set up for each day of the week
- E-mail alarms and alerts sent to an unlimited number of user definable e-mail addresses
- Live Data Direct to a Secure Website via LAN or 3G (with progressive fall-back to Edge, GPRS/GSM)
- Historic Data also stored on Secure Website and available for viewing (in zoomable graph and tabular formats) and downloading
- Live and Historic Data can be downloaded as a CSV file and opened directly into Excel
- User-Friendly Web Interface
- User Friendly and Certified Noise, Vibration and Dust Instrumentation
- Competitive Hardware Purchase Costs
- Realistic Subscription which Decreases with the Number of Units and includes SIM Costs**

LOGICAL ARCHITECTURE

- Projects - Can Contain One or Many Sites
 - Sites - One or Many Measurement Positions
 - Measurement Position
 - Monitor
 - Associated with Specific Physical Position
 - Limits and Alerts
 - Live Data
 - Historic Data

LOGICAL USER HIERARCHY

- Administrator - ANV Grants Licences and Maintains the System
- Managers - Set up web interface, limits and alarms for their systems and control viewer access and who receives alarm e-mails
- Viewers - See current data and receive alarm e-mails for Measurement Positions specified by managers (Viewer+ can also see historic data)

ROBUST DATA SECURITY

- Current and Historic Data on Dedicated Raid 10 Server in a UK Data Centre with Overnight Backups
- Monitors retain a local copy of the data

** Includes 2GB Data Allowance which is comfortably more than sufficient under normal circumstances

