



NOISE



VIBRATION



DUST

Smarter Environmental Monitoring



SONITUS
SYSTEMS

LEGISLATION

County Councils / Local Authorities
Monitoring required to comply with planning permission

Client Specified Limits

BS 5228
Code of practice for noise and vibration control on
construction and open sites.

NOISE MONITORING

What is Noise?

Unwanted sound or a sound that is loud, unpleasant or unexpected

Sound Intensity measured in Decibels (dB)

0 dB – Threshold of human hearing

120 – 140 dB – Threshold of pain

Frequency – Hertz (Hz)



VIBRATION MONITORING

Parameters Measured:

PPV – peak particle velocity
measurand in mm/s

Frequency – Measured in Hz

Limits dependant on building type



DUST MONITORING

Parameters Measured:

**PM10 – Particulate Matter 10 μ m
(microns) in diameter**

1 μ m = 0.000001m

Human Hair – 50-100 μ m

Potentially harmful to health if
inhaled.



INSTALLATION





SONITUS SYSTEMS

LOG IN

nvd@sonitussystems.com

.....

Remember me

[Forgot your password?](#)

LOG IN

Don't have an account yet? [Contact us](#)

Projects

[NVD - NOISE, VIBRATION, DUST](#)

[Charts](#)

[Calendar](#)

[Grid](#)

[Recordings](#)

Monitors

Users

Projects / [NVD - Noise, vibration, dust](#)

NVD - Noise, vibration, dust

Created Jun 12, 2017

Description

New product launch and website upgrades to monitor a range of environmental parameters. Noise, vibration and dust data - all in one place.

Project Monitors

LABEL	MODEL	LOCATION	ADDED ON	LIMITS	STATUS
Noise Monitor s/n 00391	EM2010-AO	Sonitus HQ (view map)	Sep 4, 2017	4	
Dust Monitor s/n 999	Dust Sentry	Sonitus HQ (view map)	Feb 27, 2018	1	
Vibration Monitor s/n 0123	AvaTrace M80	Sonitus HQ	Feb 27, 2018	1	

Add / Remove monitors

[Edit](#) [Archive](#) [Delete](#)

Details



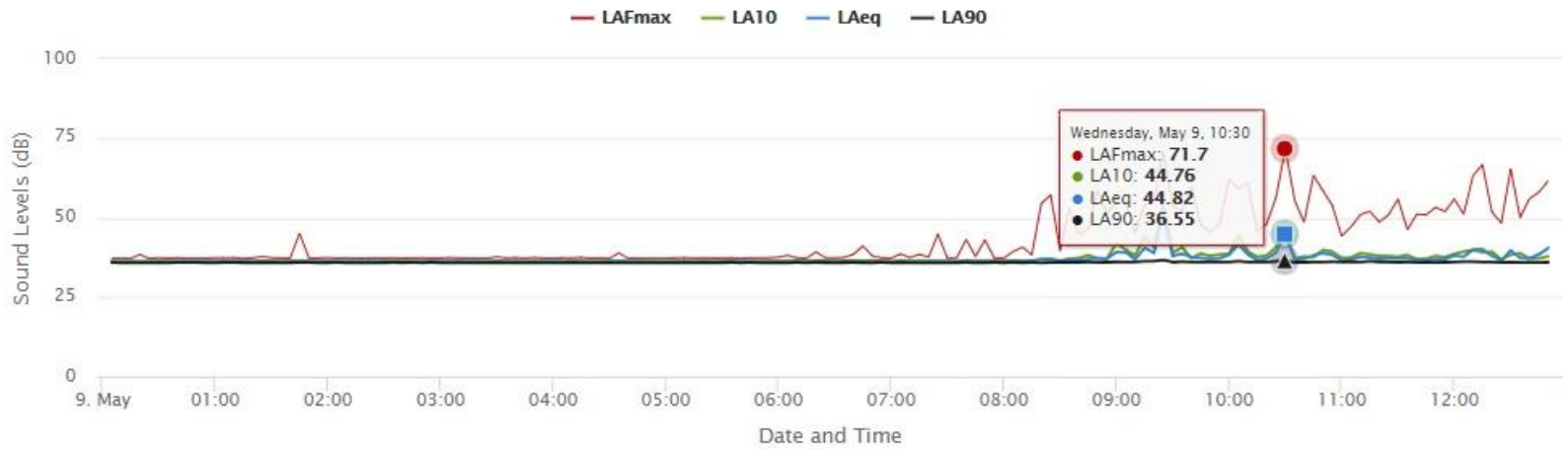
info@sonitussystems.c...
[353860201058](tel:353860201058)

Charts

Monitor **Start** **End**

- REAL TIME DATA
- HOURLY AVERAGES
- FREQUENCY

Sound Levels at Noise Monitor s/n 00391: Sonitus HQ



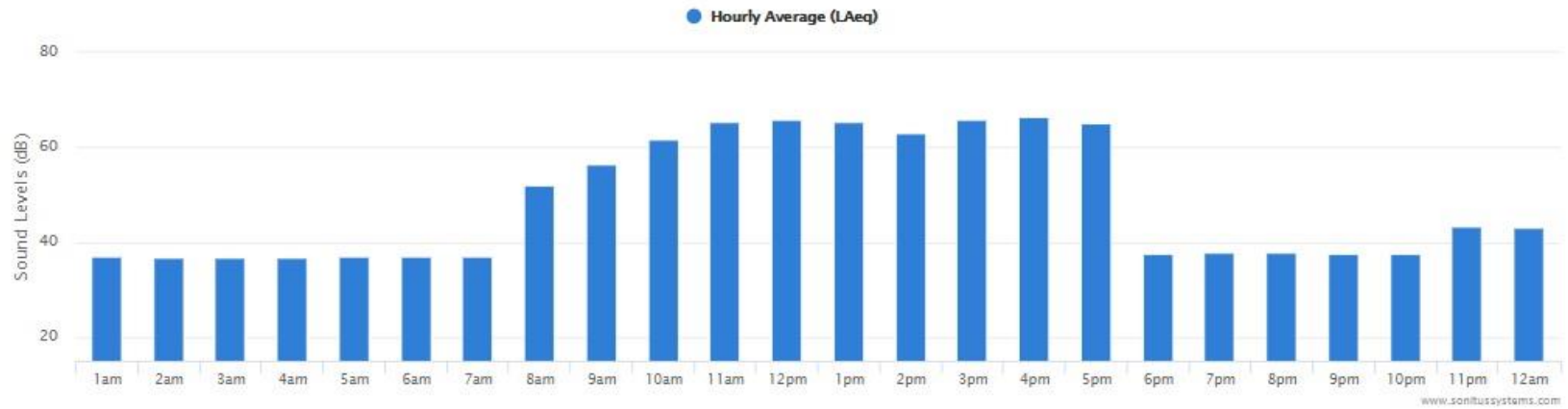
Charts

Monitor **Start** **End**

REAL TIME DATA HOURLY AVERAGES FREQUENCY

Hourly Averages at Noise Monitor s/n 00391: Sonitus HQ

Average sound levels (LAeq) for each hour of the day. If multiple days are selected, then readings for the timeframe are averaged.



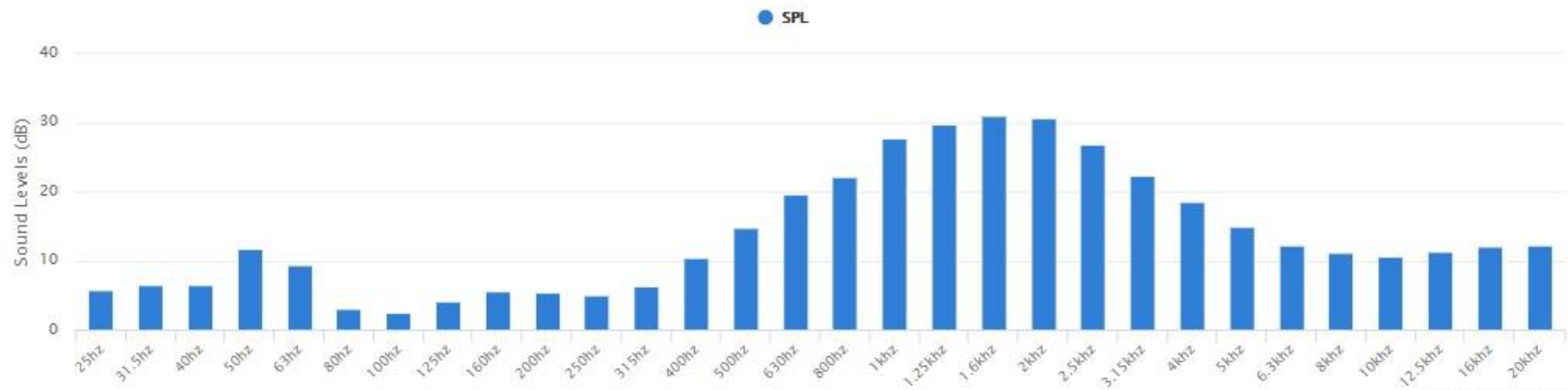
Charts

Monitor **Start** **End**

REAL TIME DATA HOURLY AVERAGES FREQUENCY

Frequency Content at Noise Monitor s/n 00391: Sonitus HQ

Average frequency band content over the selected period




Calendar

The calendar shows the **average sound levels** of the measured readings and highlights any exceedances. These are calculated based on the limits set on each monitor. Click on a day to see more information about values, links to detailed measurements, weather data and notes if available.

Monitor	Month	Year	View
Noise Monitor s/n 00391: Sonitus HQ	January	2018	

SUN	MON	TUE	WED	THU	FRI	SAT
	1 39.9 dB(A) +	2 39.6 dB(A) +	3 40.8 dB(A) +	4 41.7 dB(A) +	5 41.2 dB(A) +	6 40.4 dB(A) +
7 40.5 dB(A) +	8 44.1 dB(A) +	9 41.5 dB(A) +	10 42.7 dB(A) +	11 40.4 dB(A) +	12 40.0 dB(A) +	13 38.3 dB(A) +
14 38.3 dB(A) +	15 44.5 dB(A) +	16 40.3 dB(A) +	17 43.8 dB(A) +	18 36.1 dB(A) +	19 36.1 dB(A) +	20 27.9 dB(A) +
21 28.4 dB(A) +	22 35.0 dB(A) +	23 79.4 dB(A) +	24 81.7 dB(A) +	25 50.5 dB(A) +	26 44.8 dB(A) +	27 28.8 dB(A) +
28 28.0 dB(A) +	29 46.0 dB(A) +	30	31 41.7 dB(A) +			

 Download monthly report

Charts

Monitor **Start** **End**

-

Air Quality Levels at Dust Monitor s/n 999: Sonitus HQ



Charts

Monitor **Start** **End**

 REAL TIME DATA

Vibration Levels at Vibration Monitor s/n 0123: Sonitus HQ

