NOISE POLLUTION

Noise pollution can be seriously detrimental to human health...

Several white papers recognise increased levels of stress, reduced morale, limited access to quiet areas, reduced ability to task focus and lower work accuracy when noise pollution levels exceed standardised limits within a place of work.

All of the above are contributory symptoms within Sick Building Syndrome with 4.3 days/year/worker lost due to sickness, with minor illness such as coughs, colds, stress, anxiety and depression accounting for 33% of those lost days.

Monitoring external noise levels within an effective Noise Strategy is key to maintaining good neighbours especially where residential receptors are concerned.

SmartScan Analytics provides real-time noise monitoring data with alerts empowering operators to effectively measure their neighbouring environmental exposure resulting in fewer noise incidents or reports of statutory nuisance whilst providing evidence of statutory compliance.

It is an increasingly difficult challenge to maintain noise compliance and to isolate what activities lead to breaches or what causes non-compliance events however SmartScan Analytics can be used to investigate the route course of excessive noise levels through additional metric monitoring whilst also providing the ability for cross-analytics.

Indoor Noise Pollution Sensor

SUB-METRICS

SSA portal enables notification setting parameters with LIVE customisable limits.

> Internal Noise Level (db)

> External Noise Level (db)

SMARTSCAN ANALYTICS

SmartScan Analytics (SSA) is an online portal that utilises the lighting network to transmit data from either stand-alone or integral sensors & meters.

SSA is a complete digital twin with defined limit notifications, alerts & trend regression, for demand side gains through open-protocol sensors and meters.

SSA records the simultaneous daily conditions & correlates previously known unknown data & metrics, i.e. power, people, movement, air quality etc, as a complete digital shadow.
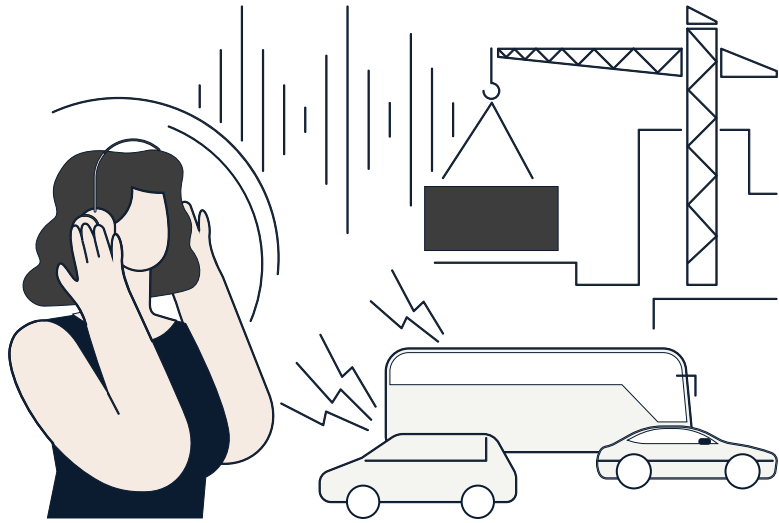
A digital shadow provides evidential data of everything that happened in the space & adjoining space.

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NOISE STRATEGY

Businesses with noise issues have poor relationships with the local community, which could quickly escalate to regulators enforcing restrictions on the non-complying party, the implementation of a Noise Strategy with effective monitoring & reporting will enable and empower…

SmartScan Analytics can provide the necessary reporting tools to manage your implemented Noise Strategy.

Local community engagement, good neighbour

Support growth and expansion plans

Compliance against industry standards & guides

NOISE STRATEGY

Maintain compliance with licence conditions

Build a social licence to operate

Improve employee health & well being

Monitor & reduce environmental impact

If it counts, count it…

Linear metrics can be used to monitor trends, when combined with quantitative or qualitative metrics for cross analytics, further insights can be realised.

SSA can measure anything digital or physical, please contact your Thorlux Lighting representative to discuss custom metrics for your business.

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