

Smart Environment Interest Group

Ten Things you may not know about Noise

1. **Intelligent Transport Systems** tools can be used to monitor and reduce road traffic noise
2. At slow speeds **electrical vehicle** pass-by noise can be indistinguishable from background noise but at higher speeds the benefits erode because road-tyre noise increases
3. Research has found links between road traffic **noise and heart disease and strokes**.
4. **Night-time noise** may cause more health problems than day time noise
5. Research into the effect of **Smart Motorways** in the UK has found examples of daily average noise levels decreased by 0.3 to 1.7 dB taking into account any increases in flow
6. 70 . 80 000 individuals in the Heathrow area experience a 10 . 20% excess risk of strokes, heart disease and cardiovascular disease due to **aircraft noise**
7. Action to **reduce carbon** emissions from road traffic also usually help **reduce noise**
8. Interventions which cut congestion **don't necessarily improve noise or air quality**
9. The staff working on noise in Local Authorities and in central Government are often not well integrated with the ones working on road traffic . **better coordination is needed**
10. The under-water noise created by **moving ships** is a serious but not well publicised environmental problem

Interested in ITS and noise? Contact mailbox@its-uk.org.uk

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