

APPLICATION EXAMPLES OF NOISE INSPECTOR

WIBRO-AKUSTYKA

1. WHEEL LOADER - MECALAC MXT



Fig.1. Idle work – 1700 rpm, distance: 5 m, right side, frequency range: 2050 – 2200 Hz.



Fig.2. Idle work – 1700 rpm, distance: 5 m, left side, frequency range: 2050 – 2200 Hz



Fig.3. Idle work – 1700 rpm, distance: 5 m, rear side, frequency range: 2200 – 2400 Hz



Fig.4. Idle work – 2150 rpm, distance: 10 m, right side, frequency range: 340-2800 Hz



Fig.5. Idle work – 2150 rpm, distance: 10 m, left side, frequency range: 340-2800 Hz



Fig.6. Idle work – 2150 rpm, distance: 10 m, rear side, frequency range: 230-300 Hz



Fig.7. Operation, distance: 10 m, left side, frequency range: 500 – 850 Hz



Fig.8. Operation, distance: 10 m, right side, frequency range: 470 – 2600 Hz
The noise from the process work was higher than noise from the drive
Maximum value of the noise level: 101 dBA

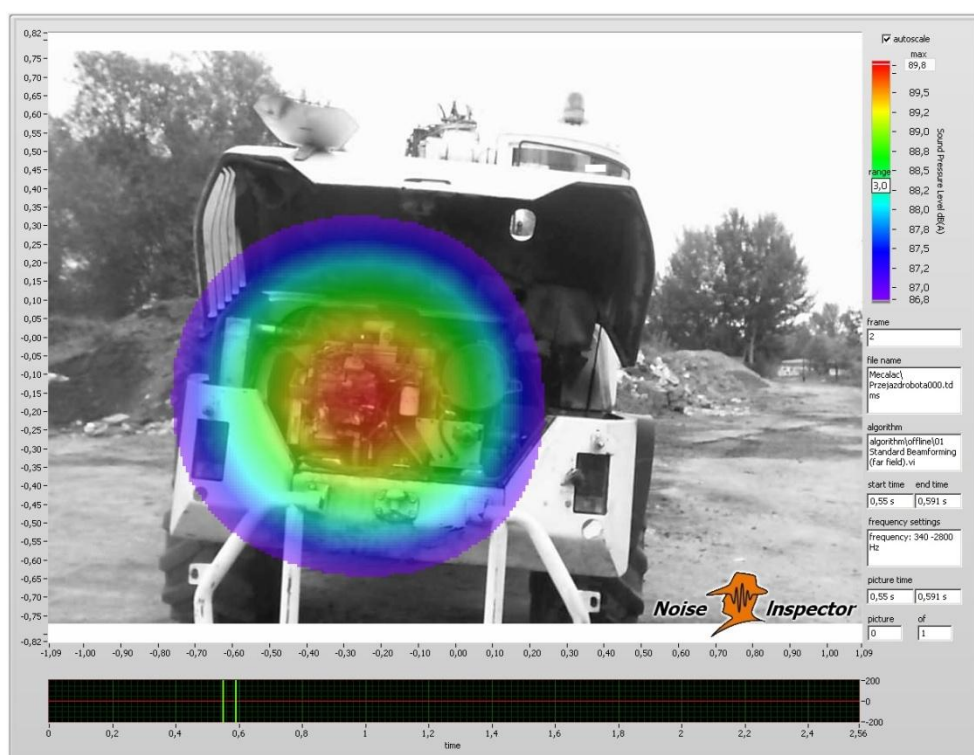


Fig.9. Engine cover open, distance:2 m, engine cover open, frequency range: 340 – 2800 Hz



Fig.10. Engine cover open, distance:2 m, engine cover open, frequency range: 7200 – 8500 Hz

2. INDUSTRIAL PLANT – EXTERNAL NOISE



Fig.11. Cooling tower, distance:60 m , frequency range: 700-5500 Hz

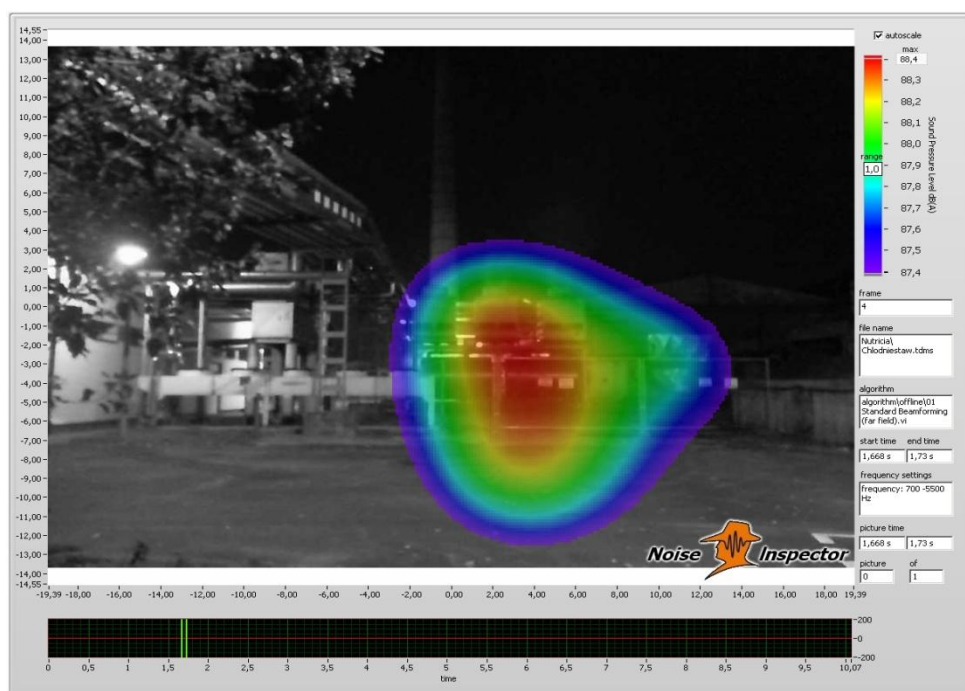


Fig.12. Cooling tower, distance: 35,5 m, frequency range: 700-5500.

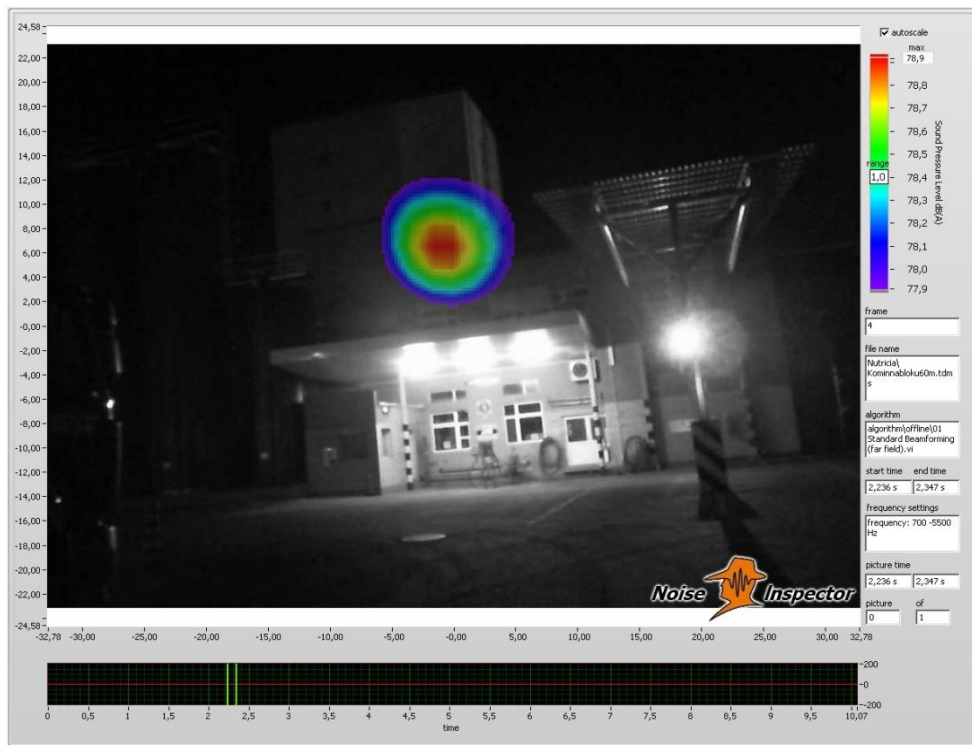


Fig.13. Open window in industrial building, distance:60 m, frequency range: 700-5500 Hz

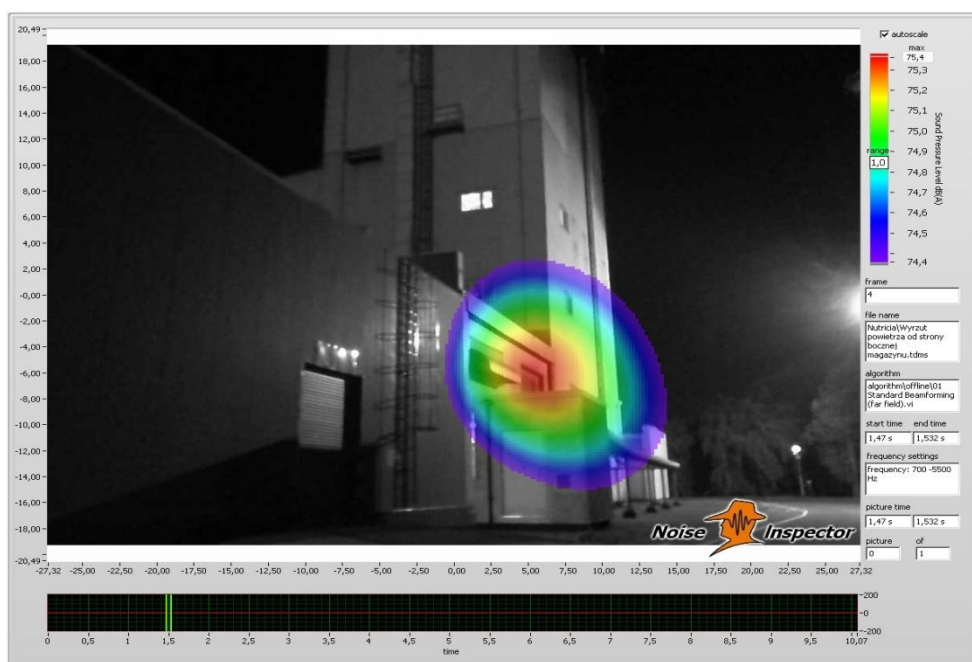


Fig.14. Closed window in industrial building, distance:25 m, frequency range: 700-5500 Hz

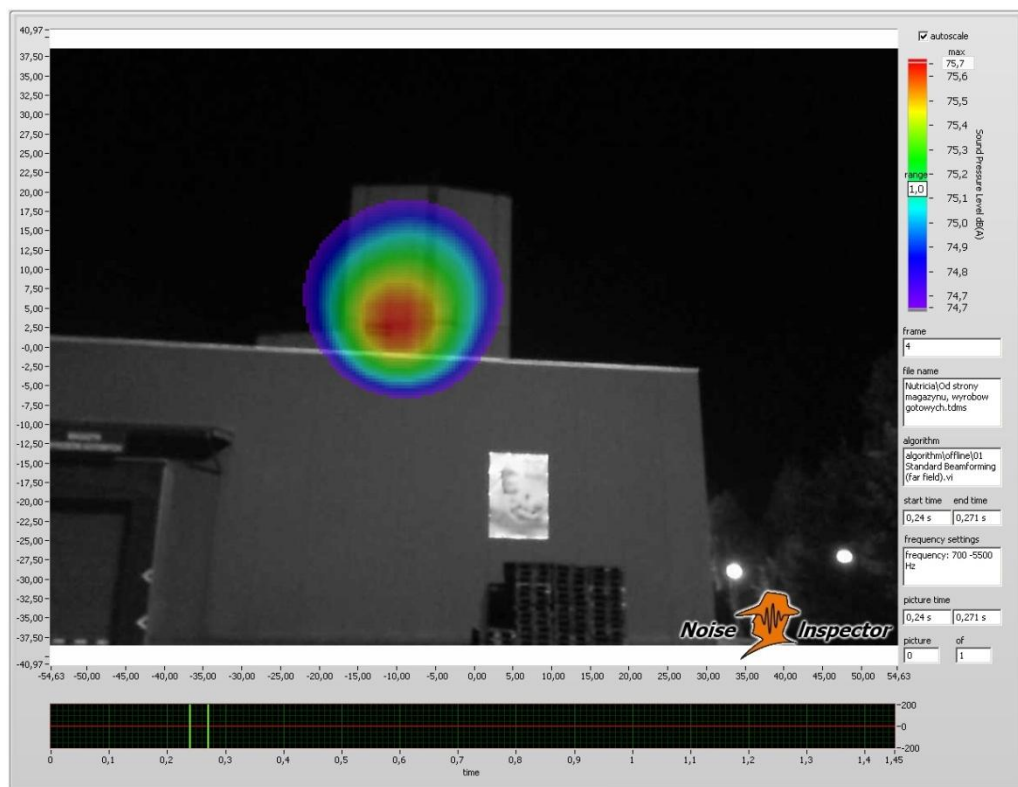


Fig.15. Fan outlet, distance:100 m, frequency range: 700-5500 Hz