

# Acoustic engineering and building acoustics

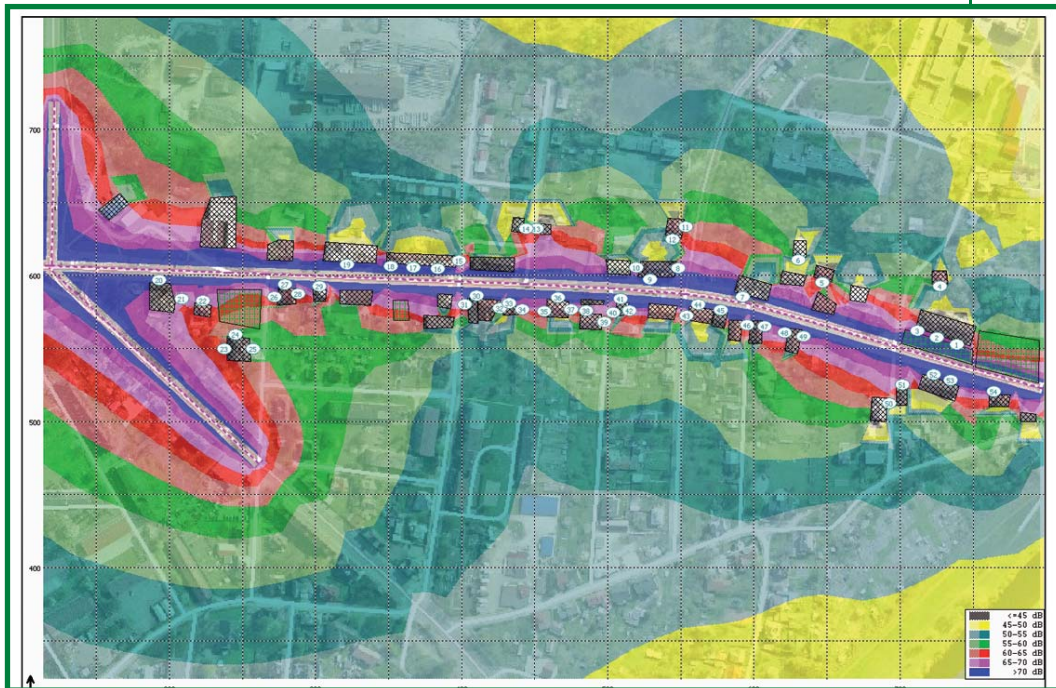
## Noise measurement

- measurement of noise, including the traffic analysis, as the basic information for technical solutions of constructions
- measurement and calculations of sound insulation of structural constructions
- measurement of traffic noise and air traffic noise
- measurement of noise and noise impacts from construction activities (e.g. from blasting)
- measurement of noise in the protected outside and inside areas of constructions
- assessment of development plans as regards noise pollution, designing and verification of protection zones as regards noise pollution, designing and verification of protection zones of roads as regards noise
- noise and vibration measurement, assessment of their impacts on humans
- traffic analysis

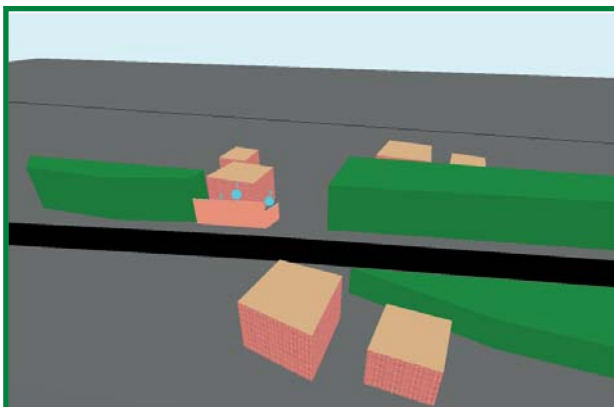


## Noise prediction

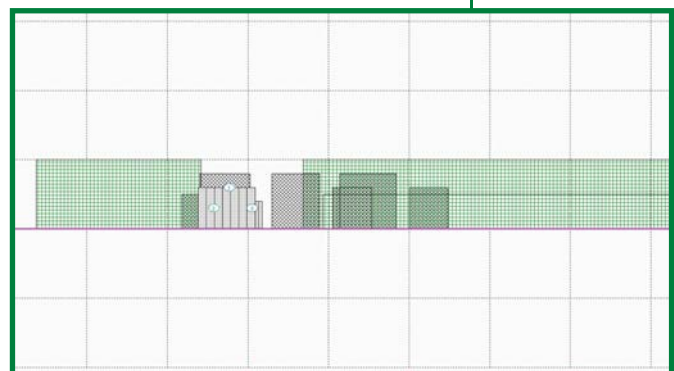
- modelling of noise pollution by means of the HLUK+ software
- prediction of noise from the road transport in the protected outside area of constructions
- prediction of noise from industrial sources
- proposal of noise protection measures (noise barriers)



modelling of noise pollution from traffic – map of isophones



noise barrier design – spatial view



noise barrier – cross-section