

Budapest: Noise level measurement

BUDAPEST - HUNGARY

Study and measurement of the influence of construction works for a new subway line on urban noise level.



Above: Hungarian Parliament on the Danube



Opposite: Punctual noise level measurement before starting the works in order to determine the background noise level

The construction of a new subway line in the centre of Budapest requires the implementation of noise annoyance monitoring related to the working sites.

SolData is carrying out this study to measure the impact of the building site on the city. In order to do that:

- Measurements were taken prior to the work in order to determine the 'background noise'.
- Punctual measurements are taken during the work across the city (150 in total).
- 5 permanent noise-monitoring stations with automatic data transmission have been installed.
- 2 noise-level displays have been installed at street level to provide the local population with real time information.

As part of this building project, SolData is also carrying out vibratory monitoring on buildings as well as measuring the deformation of the ground level related to the tunnelling.

This ongoing project should last over 60 months.



Above: 3D graphic representation of the level noises measured prior to the works

CONTRACTOR	BKV RT.
CONSULTANT	EUROMETRO KFT
PROJECT DURATION	2006 –2010
AMOUNT	370 K€
Scope of Works :	
<ul style="list-style-type: none"> • Study and implementation of noise level measurement points • Real time data acquisition and automatic processing • Noise reporting and graphic representations of the results 	