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## Environmental Assessment work in Hungary

### Road constructions



M0 motorway section between M1 – M6

M0 motorway north sector

M35 Debrecen – Berettyóújfalu

M4 Abony-Fegyvernek

M4 Fegyvernek-Püspökladány

M4 Püspökladány – Ártánd

M4 Abony – Fegyvernek

M44 Kecskemét – Tizsakürt

M44 Kondoros - Békéscsaba M6 76+200 – 109+700 km sz.

M6 76+200 – 109+700 km.

M8 Körmend – Country Border

M85 Csorna-Pereszteg

### Environmental monitoring systems at road constructions (measurement and analysis of noise-, air-, soil- and waterpollution):

Rákospalotai határút in Budapest

All Hungarian highway monitoring program 2007 & 2009

M6 109+700 – 142+482 km

M8 Danube bridge by Dunaújváros

M7 110,678 – 125,000 km

M6-M60

M43

M6 Dunaújváros-Szekszárd

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## **Rail – Tramway (re)constructions**

Tramway nr. 1 in Budapest

Railway Budapest – Székesfehérvár

Railway Sopron-Szombathely

## **Airport developments**

Pécs – Pogány

Veszprém – Szentkirályszabadja

Tököl

## **Industrial and Commercial developments**

### **New city hall in Budapest**

Budapest – Ecser – Ferihegy (BEFIK)

Biatorbágy Tópark

### **National Theatre and Palace of Arts in Budapest**

Governmental District

Corvin Passage

Mundo City Center in Budapest XIV

Lágymányosi Bay

Westend

Mamut I-II

Hold str. apartman hotel

Népliget Center

Podmanicky str. 49 hotel

Gömb utcai lakóház

BSR Center

Corvinus University Campus

Budai Skála

Sewage farm in Erdőtelek

### **Stadler AG train manufacturing site in Szolnok**

BILK Budapest main Logistics HUB

Airportcity logistic park at Ferihegy Int. airport

Europacenter logistic park in Budapest

Large area retail centres of ALDI in Budapest XX. district and Nyíregyháza

Alsónémedi logistic park

## Special noise and vibration reduction work in Hungary

### Road:

Planning of noise barriers along almost 80% of Hungarian highways and major roads (in and outside of agglomerations)

### Rail - Tramway constructions

Noise and vibration protection studies for tramway line 17, 19, 42 in Budapest

Noise and vibration protection studies for metro line 2, 4 in Budapest

Operation of noise monitoring system during construction of metro line 4 in Budapest

Noise reduction of the south railway bridge in Budapest

Noise and vibration protection study for:

Budapest – Hegyeshalom,

Budapest – Pusztaszabolcs,

Budapest – Cegléd,

Szajol – Püspökladány railwayline.

Noise and vibration protection study for suburban rail developments at Budapest North and East main Railway stations

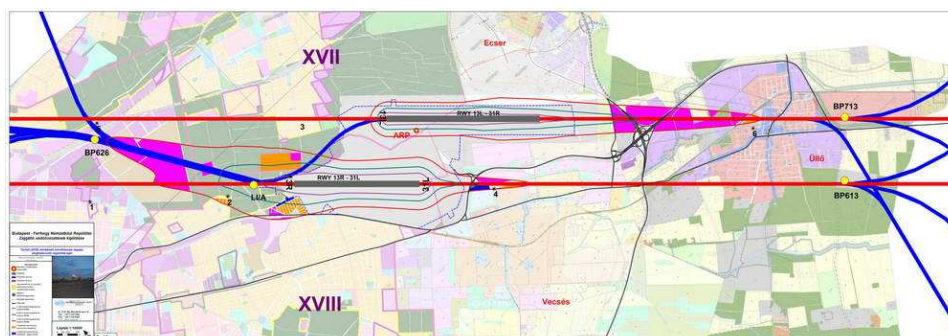
### Airports

#### Noise prediction from Pápa NATO Logistics Airbase

Noise monitoring at Szolnok Hungarian Military Airbase

Noise protection planning of the engine test facility at Budapest Ferihegy Int. Airport

Noise prediction and reduction plan from the Budapest Ferihegy Int. Airport



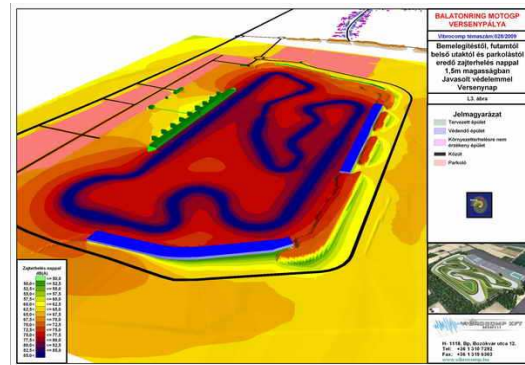
Szombathely, SIA-PORT Airport noise feasibility study for public forum and voting. (According to our study all communities in the close neighbourhood of the airport voted for the future development with YES!)

Noise predictions and reduction studies at smaller airports:

Debrecen, Nyíregyháza, Kiskunfélegyháza, Budaörs,  
Hármashatárhegy, Gödöllő, Farkashegy, Kecel, Fertőszentmiklós

### Industrial and Commercial developments

- Powerplant in Százhalombatta
- Open cast coal mine and power plant in Visonta and Bükkábrány
- Racing circuit in Kakucs and Örkény
- Holcim Concrete plant in Nyergesújfalu
- NIKE waste disposal in Balatonfűzfő
- Takenaka plant in Tatabánya
- Inke 1mW geothermic power plant
- **MotoGP racing circuit in Sávoly**
- Hungaroring Formula 1 racing circuit



### Strategic Noise mapping and Action Planning in Hungary

Budapest and agglomeration

Szeged

Sopron (air pollution map also)

Strategic noise maps for M0, M1, M3, M5, M7 motorways

### References concerning Hungarian regulations

Strategic Noise Mapping in Hungary Letter of contract N° Mr. Rónaszéki 15 –  
Phare-HU-PAO HURónaszéki15\_2040019

Elaboration of national regulations for noise and vibration protection

## References outside Hungary

### Romania

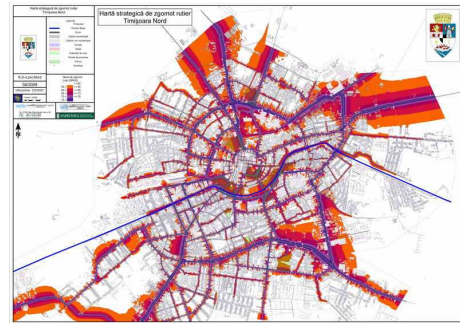
Environmental assesment study for Holcim concrete plant in Turda

Strategic noise maps and noise reduction action plans for agglomerations:

Timisoara (~300.000 inh.)

Cluj Napoca (~350.000 inh.)

Tirguviste (~ 100.000 inh.)



Noise prediction and reduction plans for roads

Drum National 1. Otopeni

Noise prediction and reduction plans for airports:

Bucharest Otopeni Int. Airport

Timisoara - Traian Vuia Int. Airport

Cluj-Napoca Int. Airport

Noise prediction and reduction plans for industry:

Constanta Port (4700 ha)

ERDEMIR ROMANIA S.R.L. Tirguviste

CET CENTRU – Timisoara main power plant

Regulations:

Romania - Strengthening institutional capacities for implementing and enforcing noise related Directives Project no. : 2004/016-772.03.03/02.02

### Austria

Noise protection study for the high speed railline Vienna – Salzburg

ORF – national TV studios noise protection

## **Germany**

Hamburg - Hafen City development (at Larmkontor)

ISO TC 108, Vibration effekt on men (WG2; WG4;WG6)

ISO TC 43 Building Acoustic

## **Belgium**

FP7 Evaluations for AAT.2008.1.4.1. Integrated approach to lowering aircraft external noise

## **Poland**

Noise analysis and protection study for compressoros inside power plants

## **Syria**

Noise analysis and protection study for the Al Zara power plant

## **Lybia**

Noise and vibration prediction and calculation for the tripoli metro line

## **Egypt**

Noise prediction at Cairo Int. Airport