

## VISUAL TRAFFIC

### 3D visualization and design optimization of transport networks

#### *Közlekedési hálózatok tervezése és optimalizálása 3D vizualizációval*

**Funding:** National (Hungary)

**Duration:** Jan 2013 - Aug 2015

**Status:** Complete with results



#### Objectives:

The project aims to create suitable software to integrate various types of traffic into one basic model. In particular it means to develop a dynamic network to assess, evaluate and predict easily adaptable parameters defining the appropriate traffic events.

#### Methodology:

The project is divided in following parts:

- the implementation, testing and semantic analysis
- integration of online data available to the theoretical model

The project includes a visualization sub-tasks: a representation of a reference model output parameters of the system, such as a map or 3D virtual environment.

**Other countries:** European Regional Development Fund

**Other funding sources:** Hungary central budget

#### Partners:

COMBIT Számítástechnikai Zrt.

KTI Közlekedéstudományi Intézet Nonprofit Kft.

Breona IT Consulting and Services

**Organisation:** Ltd.

**Address:** Róbert Károly krt. 59

**Zipcode:** 1134

**City:** Budapest

**Contact country:** Hungary

**Organisation Website:** <http://www.breona.hu/>

#### Key Results:

One of the results of the project lies in the supply of traffic information, a road public transport provider's traffic control system and navigation software in a market data to forecast expected traffic events (traffic jams, congestion, etc.), pre-estimation of the traffic situation and evaluation of the data for a given service environment.

An important result is also the development of a facility that enables the forecasting model capable of handling exceptional events. Such events may include impassable roads, road accidents occurred,

environmental damages or disasters.

**STRIA Roadmaps:** Network and traffic management systems

**Transport policies:** Digitalisation

**Geo-spatial type:** Other