

Multimedia Historic Bratislava

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MHBA Goals

Our project is primarily a contribution to tourism development in Bratislava. The goal is to publish attractive digital content concerning the historical city centre. Cutting-edge multimedia technologies are employed to produce standalone DVD at first, later we want to move the result to the internet. Digital content includes photographs, short movies, panoramas, compact virtual 3D model of the Old Town historical core with the most valuable objects of cultural heritage constructed in fine details, as well as the records of important city events. Original unified presentation layer and navigation framework encapsulates particular data items. DVD should serve to Bratislava city local authorities, the Old Town city district, special city guests, Bratislava citizens and mainly to the potential and present tourists, giving them a comprehensive view of the most attractive Old Town city parts, presented by the modern computer technologies.

MHBA Team

- Partners
 - Comenius University (core team)
 - Eurosense (aerial photogrammetry)
 - Bratislava Municipality
- Authors
 - almost 100 creative people providing digital content

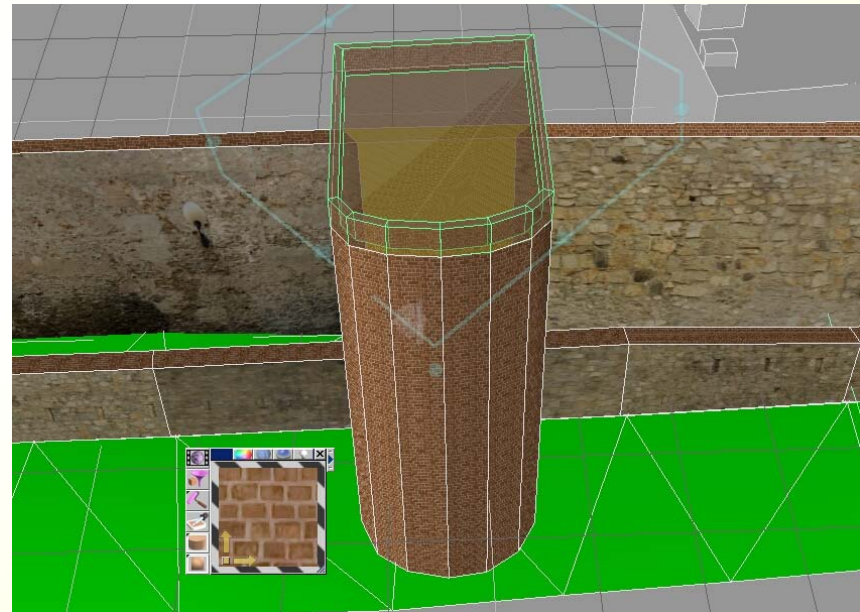
Data acquisition

- Ground Photography
 - for 2D output
 - for 3D modelling
 - 360 degree panoramas
- Aerophoto
- Photogrammetry
- 3D models
- Video
- Sound and music
- Text



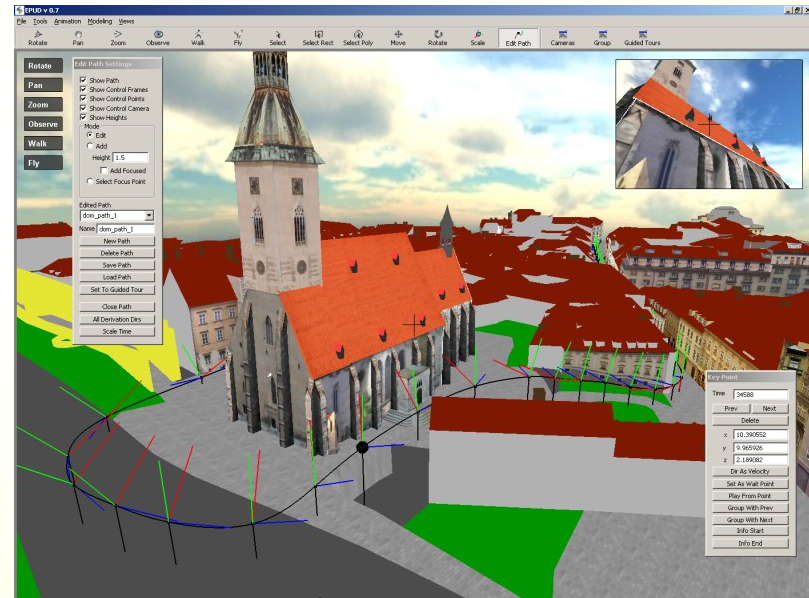
Data Processing – 3D models

- City 3D model assembling was the most essential part of our content creation work



Software Programming - EPUD

- EPUD = our fast and robust software for interactive urban models visualization



Presentation Layer

- content + software = DVD
- Presentation layer created in HTML and Flash technologies



MHBA DVD

- contains 2.5 GB of data
- critical data are encrypted

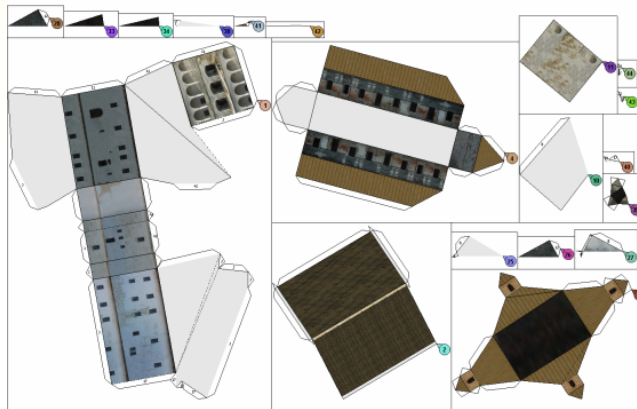


Dissemination

- Initial shipment of 1000 DVD pieces
- Europrix 2008 awarded project
- Information in Text media
 - Internet, local and state newspapers
- Information in Broadcasting Media
 - State radio and TV channels, Czech TV

Other Presentation Possibilities

- artistic visualizations
- papercraft models
- multimedia kiosk



Other Data for Presentation

- EPUD – multipurpose urban visualization and management tool
- Ice Hockey stadium interactive virtual environment



Future Work

- Internet presentations
- EPUD should help in urban planning projects
- courses of content creation