City Planning in the Browser

Virtual 3D city models are a perfect tool to visualize and communicate urban planning scenarios and architectural designs. The virtualcityPLANNER allows the integration and visualizations of such designs into web-based 3D city models without special knowledge or software.

The virtualcityPLANNER enables urban planners and architects to integrate their 3D designs into 3D city models and share it with other users. After login to the planning module the user is able to upload and place 3D models into the 3D city model.

The module also allows to hide existing buildings, to define viewpoints, as well as a project description, and to place associated digital content into the planning context. Comparing different designs is made easy by just switching between the scenarios.

Collaborative working and decision making

Once a planning scenario has been created it can be shared with other users allowing them to collaboratively work on one design. Also, planning scenarios can be assigned to individual users so that they are able to work on their own scenarios.

The virtualcityPLANNER is well suited for different operational scenarios such as the use in the City Planning Office or as a platform in an architectural competition where each participating architect is assigned its own planning scenario.

Once created, scenarios may be used in decision-making processes in the Urban Planning Committee or by other bodies. In addition, the scenarios may be published on the internet so that the general public can comment on them or they may be presented on a touch table as part of an exhibition. The only requirement for the presentation of a scenario is a computer or tablet with internet access.
Flexible provision

In order to use the virtualcityPLANNER, virtualcitySYSTEMS offers several usage models. On the one hand you can buy a license of the virtualcityPLANNER so that it can be used within your own intranet. The requirement for this setup is that the 3D spatial data infrastructure of virtualcitySYSTEMS is available within your organisation. The infrastructure allows to publish 3D city models on the internet resp. intranet easily. The virtualcityPLANNER can then be added to any virtualcityMAP as a functional extension.

On the other hand the virtualcityPLANNER can be provided as a hosted service. In this case you send us your 3D city model encoded as CityGML, a terrain model, and a terrain texture. Based on this data we will provide a virtualcityPLANNER web application for you.

Needless to say, access to the virtualcityPLANNER is possible only with the correct login credentials. In addition you can manage the users and access rights.

Future City Grafing in the year 2030

In 2015, CADFEM together with the City of Grafing won the BMBF-competition “Zukunftsstadt 2030” (Future City 2030). As part of this project the virtualcityPLANNER is used for the presentation of urban planning scenarios.

http://grafing.virtualcitymap.de/