

3D Urban Models Optimise and Innovate

The latest 3D technology will be presented at Intergeo in Hanover, Germany, between 9 and 11 October 2012. Processes are getting faster and models cheaper. The latest technology enables automated processes in 3D urban modelling with just one overflight. In the experience of 3D Reality Maps from Germany, models are becoming faster and more cost-effective, thus making them more affordable for a wider audience.

These experts achieve levels of quality beyond just automated processes. The incorporation of characteristic details of the buildings and street features enables navigation from a pedestrian's perspective.

GTA Geoinformatik is among the leading developers and manufacturers in the field of 3D geodata worldwide. The Neubrandenburg-based company is presenting a 3D software solution at Intergeo. The tridicon PointCloudGenerator is a tool creating precise point-clouds for 3D analysis as well as textured digital surface models (DOM) from image data. The tridicon BuildingFinder uses these high-quality DOMs for object recognition and 3D reconstruction.

Street Factory, from Astrium Services - GEO-Information, France, also offers a 3D mapping solution of the latest generation. Whether the images come from aircraft or street-mounted cameras, 3D models are created fully automatically within hours of the data being collected.

3D urban models are helpful for location analysis, real-estate marketing, economic development and urban marketing projects. Beyond urban planning, there are also applications in areas such as risk management, defence, telecommunications and surveying.

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