

Mapping the Geospatial Data of Hundreds of Real Estate Buildings, by Imms Instruments and Web-Cloud Based Software Platforms

Matteo Sgrenzaroli and Giorgio Paolo Vassena (Italy)

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SUMMARY

The paper describes the studies and analysis realized to define the specifications for a tender finalized to fill a geospatial database to manage more than 500 buildings in a European town. A workflow, based on a survey based on indoor mobile mapping instruments, where 3D point cloud data are merged and synchronized with high resolution images is described. The surveyed data, visualized as 3D spherical images with 3D point cloud in the background, are visualized using a web platform, so to be shared in the web. The acquisition phases organization, the protocols, the general data infrastructure is explained in the details, so to allow a fast and affordable acquisition of all the data needed to manage the large numbers of buildings.

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