## 3D City Models for Land Administration in Turkey

Sedat Bakici, Bilal Erkek, Levent Ozmus, Ekrem Ayyildiz and Metin Soylu (Turkey)

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Assessment, Oblique Photogrammetry

## **SUMMARY**

Article 718 of the Turkish Civil Code says "The ownership on land includes the air above and blow terrain layers to an extent providing benefit... The cadastre law no. 3402 envisages 3D Cadastre.

3D data infrastructure is required in order to perform 3D cadastre. To meet this requirement, oblique photogrammetry arises as the main data acquisition method. Oblique photogrammetry is the result of technological developments.

Oblique photogrammetry includes different software, hardware and production stages. New datasets are obtained by oblique photogrammetry. The data obtained by this method is used as base in 3D Cadastre and Land Administration activities. 3D cadastre required in the context of land administration activities in Turkey demands high resolution aerial oblique images to be used in services such as real estate value assessment & marketing in urban areas, urban planning, unlicensed construction monitoring & city administration and making location data (national address data etc.) intelligent.