

Applications of Geoinformatics and Mapping in the Development of Divine Hectares Estate, Enugu Lifestyle and Golf City, Nigeria.

Victor Nnam, Chukwubueze Onwuzuligbo and John Nnam (Nigeria)

Key words: Affordable housing; Cartography; Engineering survey; Geoinformation/GI; Real estate development; Divine Hectares Estate, Mapping, Geoinformatics, Real Estate Development, Construction Economy

SUMMARY

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Nnam V.C.1, victor.nnam@gmail.com

Onwuzuligbo C. U, 2, chukonvilla@yahoo.com

Nnam J. O. 3, john_nnam@yahoo.co.uk

(1) Department of Surveying and Geoinformatics, Enugu State University of Science and Tech.

(2) Department of Surveying and Geoinformatics, Nnamdi Azikiwe University, Awka Nigeria

(3) Geo-squaremeter Innovative Limited, 15 Carter Street, Ogui, Enugu, Nigeria.

ABSTRACT

Geoinformatics and mapping are the bedrocks and foundations of every sustainable development; the role of Geoinformatics and mapping in real estate development cannot be overemphasised. The Real Estate sector is one of the most stable and reliable ramifications of the Nigerian Economy despite the retrogression in the value of the Nigerian currency against the dollar. In recent times, studies have shown that the real estate sector in Nigeria has evolved into a huge economic hub where investors feel safe. Despite the profuse evolution in the Nigerian real estate and housing sector,

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statistics still show that there is still insufficient housing for the growing population of the middle class and the low income earners in Nigeria; Thus the need for more low cost housing over luxury housing. These trends informed the decision of the management of Geo-squaremeter Innovative Limited to develop the Divine Hectares Estate. The estate is developed on approximately 6.9 Hectares of land. The land was parcellated into parcels of approximately 500sqm each to suit the needs of the Nigerian middle class; and the whole estate is about 106 parcels. This paper is an inquiry into the Geoinformatics and mapping inputs in the processes and stages of the development of the Divine Hectares Estate. The study also looked into ramifications of survey works carried out at different development stages in the estate, therein; the engineering survey challenges and the laying out of the estate were discussed as well as recommendations which were made for future surveys in estate developments and further studies.

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