Applications of Surveying and GIS in Utilities Field – Giza Utility Data Center

Abdel Razek Ahmed ABDEL MAGEED, Duaa MOSTAFA SALEM and Tarek LOFTY SEDEEK, Egypt

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SUMMARY

The idea of establishing the Giza Utility Data Center was originated in order to avoid wasting public money as a result of random digging which damages underground utilities because of the lake of detection technology. GUDC started working in 25th April 2002. The usage of the survey and GIS technology is the only way to help achieving the center's performance and tasks.

GUDC Tasks:

- Detecting all types of underground utilities by using detection's instruments and setting them out on surveying maps
- Producing cadastral & topographic maps by using the most recent international technology of survey and GIS
- Establishing data base to preserve both the surface structure and the infrastructure by using the GIS technology and producing the data in form of sheet and digital maps with several scales
- Providing the planners and decision makers in Giza governorate with accurate data about the surface structure and the infrastructure
- Following up any digging works in underground utilities and providing cadastral maps with Giza utilities on it.

CONTACTS

Mr. Abdel Razek Ahmed Abdel Mageed Tel. + 20 127877977 / + 20 5876004 / 5

Email: udc giza@hotmail.com

Eng. Duaa Mostafa Salem

Tel. + 20 4594283

Email: duaamostafa@hotmail.com

Eng. Tarek Lotfy Sedeek Tel. + 20 0103819648

Email: tarek_lofy@yahoo.com







