

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

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## **Keywords:**

## **SUMMARY**

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# Applications of Surveying & GIS in Utilities Field



**W**hat About Infrastructure ?!  
**G.U.D.C** Your Eyes Under Ground



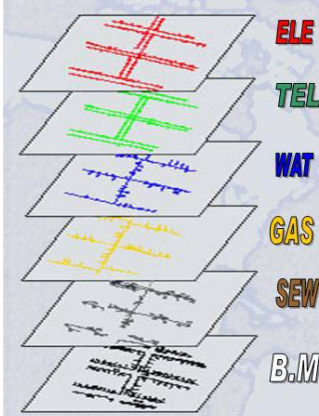
## Data Types



LINE	FROM	TO	TYPE
1	900.147	937.807	3-Phase
2	900.147	937.807	3-Phase
3	1040.939	1049.548	3-Phase
4	1040.939	1049.548	3-Phase
5	958.576	955.666	3-Phase
6	958.576	955.666	3-Phase
7	955.277	902.876	3-Phase
8	955.277	902.876	3-Phase
9	8.229	976.291	3-Phase
10	8.229	976.291	3-Phase
11	8.486	959.292	3-Phase
12	8.486	959.292	3-Phase
13	8.482	957.753	3-Phase
14	8.482	957.753	3-Phase
15	8.286	958.322	3-Phase
16	8.286	958.322	3-Phase
17	976.512	976.226	3-Phase
18	976.512	976.226	3-Phase
19	976.540	976.932	3-Phase
20	976.540	976.932	3-Phase
21	976.992	962.284	3-Phase
22	976.992	962.284	3-Phase
23	962.989	956.546	3-Phase
24	962.989	956.546	3-Phase
25	962.986	952.939	3-Phase
26	962.986	952.939	3-Phase
27	962.517	952.828	3-Phase
28	962.517	952.828	3-Phase

ATTRIBUTE	VALUE	TYPE
1-Phase	45.000	3-Phase
2-Phase	45.000	3-Phase
3-Phase	45.000	3-Phase
4-Phase	45.000	3-Phase
5-Phase	45.000	3-Phase
6-Phase	45.000	3-Phase
7-Phase	45.000	3-Phase
8-Phase	45.000	3-Phase
9-Phase	45.000	3-Phase
10-Phase	45.000	3-Phase
11-Phase	45.000	3-Phase
12-Phase	45.000	3-Phase
13-Phase	45.000	3-Phase
14-Phase	45.000	3-Phase
15-Phase	45.000	3-Phase
16-Phase	45.000	3-Phase
17-Phase	45.000	3-Phase
18-Phase	45.000	3-Phase
19-Phase	45.000	3-Phase
20-Phase	45.000	3-Phase
21-Phase	45.000	3-Phase
22-Phase	45.000	3-Phase
23-Phase	45.000	3-Phase
24-Phase	45.000	3-Phase
25-Phase	45.000	3-Phase
26-Phase	45.000	3-Phase
27-Phase	45.000	3-Phase
28-Phase	45.000	3-Phase

## USING G.I.S TECHNIQUES



**Data Manipulation**  
 BY  
**G.I.S TECHNOLOGY**  
 HARDWARE SOFTWARE



# CONSTRUCTING GIZA DATA BASE

