GIS STRATEGIC PLAN:
CITY OF EKURHULENI, South Africa

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15 JULY 2009
CORPORATE GEO-INFORMATICS
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INTRODUCTION

Legend
- RSA Province
- Gauteng Province
- City of Ekurhuleni
- Airport
- O.R. Tambo International

Gauteng Province,
City of Ekurhuleni

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PRE-AMBLE, VISION & MISSION

• **PRE-AMBLE:** C-GI was formalised on 1 July 2008. GIS was established to respective functions per dept, this led to various GIS systems being adopted with differing standards, structures & uncoordinated functions.

• **VISION:** The smart, creative, innovative & centralized GIS to better support the municipality.

• **MISSION:** To effectively manage Geo-Information & related resources, ensuring timely provision of accurate, complete & consistent spatially referenced data & consistent spatially referenced information to all stakeholders.

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EXISTING SYSTEMS/DATABASES

• Std ARC GIS Server – Oracle: Corporate System for Core Dataset Management – City Dev, Envr. Dept, Com. Safety (Emergency/Disaster/Metro Police), IS (Water, Sewer, Roads & St-W, Transport), Housing, Health, SRAC, Finance (Bill/Valuation)
• VENUS – Oracle (Natural): Finance (Bill/Valuation)
• BAUD – SQL Server: Asset Mgt
• MUNSYS – Oracle: Electricity Services
• IMQS – SQL (Migrate to Oracle): Infrastructure
• ONKEY – SQL Server: Electrical Reticulation
• MAP VIEWERS – Arc GIS Server & Map Guide
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• 5 Components of successful GIS – hardware, software, people, application & methodology;
• One primary Citywide data integrator, distributor and application development;
• Development of a dynamic and distributed spatial data warehouse;
• Implementation of web-enabled applications;
• Design of appropriate Citywide organizational model; and
• Bring departments together: multiple levels.
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ENTERPRISE EFFORTS

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LONG-TERM OBJECTIVES

• Full distribution of spatial data on the web;
• A new method of distribution needs to be implemented, which better encourages the use of spatial data (internal and external);
• Establishment of integrative spatial data system (billing, valuations, deeds, GIS – land parcels & utilities); and
• Formulation of policies, business processes to improve service delivery.

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• DEM, Contours & Ground Control Points; Internet GIS Viewers; Land Use Mgt Tracking System; SDFs; Retail Investigations; General Plans Data Audit; Vacant Land Audit
• EBOSS; Emission Inventory; Environmental Mgt Framework; Solid Waste Mgt System – Env. Dept
• E-Valuations; Workflow; Asset Control – Finance
• Emergency Risk Assessment; Fire Hydrant Audit; Disaster Mgt System – Com. Safety
• Street furniture; Traffic Lights; Bridge Audit; Dolomite Risk Assessment – Rd, Trans & Civil Works
• Customer Relations Management (Kiosk)– ICT
• WEMM, Munsys & Map guide – Inf. Services
• GIS integration – ICT/C-GI
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INTEGRATIVE GIS SYSTEM

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ANALYSIS & REPORTING SERVICES

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RESOURCES OF THE CITY

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THANK YOU