

CAPABILITY STATEMENT: BUILDING ELECTRONIC INFRASTRUCTURE



SERVICES OFFERED

TYPE OF SERVICE	DESCRIPTION OF SERVICE
Buildings : Electronic Infrastructure	Office blocks, commercial complexes Diplomatic/ministerial housing Recreational facilities, hotels, lodges and clubhouses Clinics, hospitals and schools Game Park facilities waterhole video channels, animal tracking Specialized laboratories Private dwellings Airport Terminal buildings, hangars and plant rooms
Master Planning	Supporting the modern electronic Office Environment LAN & VOIP structured cabling Wire less access points. Back-up power sources
Protection/Security Master Planning	Threat, Vulnerability and Counter Measure Analysis
Compilation of "User Requirement Specifications"	User needs analysis, developing a concept of operations, technology comparisons, etc.
Early Warning Smoke Detection	Addressable systems EN 54 compliant
Automatic Fire Extinguishing	Gaseous extinguishing agents, containment, notification
Electronic Intrusion Detection	Active & passive infra red, thermal, etc
Building Management Systems	Integrating HVAC, water and electrical subsystems for modern management information console.
Cable TV, Internet access	Broadband systems, video on demand, etc
Local Control Room Design	Ergonomics, video walls, illumination, facility infrastructure and redundancy design, acoustic treatment, equipment specification
Access control	Vehicle and pedestrian control. Biometric readers, metal detection, X ray baggage screening, fire arms handling, etc
CCTV Surveillance	External site surveillance, indoor public areas, house keeping surveillance.
Overvoltage Protection	Investigations, technical reports, measurements.
Grounding/Earthing	Soil resistivity tests, electrode predictions.
Detailed Technology Specification complete with Schedule of Quantities	Technology options, standards, cost comparisons, conceptual design, Reports.
Managing the Procurement Function	Planning, Detail design, Documentation, Tender process, Adjudication, Construction monitoring, Commissioning, Acceptance Tests, Handover process.

EXPERIENCE	
PROJECT	DESCRIPTION
Transportation Management Centre, Goodwood, Cape Town	Full integrated electronic services: ICT, BMS, Protection and Security systems. Sophisticated automated audio - visual systems for auditoria.. Contract value R12m
Gardener Ross Golf Estate:	Director responsible for design and supervision of integrated CCTV surveillance, access control, intrusion detection and 9km fence monitored electrified fence system. Design and construction of a large fibre-based ICT network.
Woodhill Residential Estate and Golf Club	Director responsible for the design and supervision of a R 9m security upgrade project on the estate. ICT network comprised 8km of single mode fibre cable.
Leopard Creek Golf Estate	Electrical and electronic infrastructure, including a large underground fibre-optic network. Perimeter protection along 12km fence.
Blue Ocean 7-star Leisure Resort	Fully integrated electronic services: wireless access points, security, TV, Internet, external audio visual systems, point of sale, Fire, MIS, video on demand.
Kruger-Mpumalanga International Airport Terminal	Full integrated electronic services : Security Customs and Protection Systems
Polokwane International Airport	Director responsible for design and supervision of integrated electronic security system
DENEL Head Office Complex	Full integrated electronic services :Sophisticated Protection and Security systems
SAHC Office Building – 7 levels	Full integrated electronic services : Security systems for RSA Embassy in Congo.
Sonangol Head Office Building – 6 levels	Fully integrated electronic services for luxury office block.:
IEC Protection Project:	Design and installation of extensive security systems; CCTV with digital storage, access control, fire detection, audio systems, etc. Total of ten security installation sites across the country as well as the conceptual design of a central monitoring facility.

MILITARY INSTALLATIONS

Various Protection and Security System Installations	Unclassified information may be provided on request
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