

CONSULTANT'S EXPERIENCE:



DETAILED CONSULTANT'S EXPERIENCE

CONTACT INFORMATION

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Legal Status:

REG : 10/01/2014 RDB : 103180151 VAT : 103180151

RSSB : 3107730500000M IER : A005/REC/ECF/2015

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B. CONSULTANT'S EXPERIENCE

B.1. ASTRIK PREVIOUS SIMILAR PROJECTS

Duration	Assignment name & brief description of the main	Name of Client &	Approx.	Role on the
	deliverables	Country of Assignment	Contract Value	assignment
Dec, 2019-	Design Review and Supervision for rehabilitation,	Rwanda,	USD 2,783,436	JV Partner with
Jan, 2023	upgrading and multi-year maintenance of	RTDA/WB		MARISWE Pty
	indicative feeder roads in the Districts of			
	Nyagatare, Gatsibo, Nyaruguru (210km) including ESAI/ESMP			
Dec 2019-Jan	- · · · · · · · · · · · · · · · · · · ·	Rwanda,	USD 2,712,238	JV Partner with
2023	upgrading and multi-year maintenance of	RTDA/WB		MARISWE Pty
	indicative feeder roads in the Districts of Rutsiro,			
	Nyabihu and Gankenke (238km), including ESAI/ESMP			
	and RAP)			
Sept 2019 to	Technical Assistance to Local Government (LODA)	Rwanda,	EUR	JV Partner with
Dec 2022	to all districts including City of Kigali on Urban	LODA/KFW	4,000,000	GOPA
300 2022	planning, road and drainage infrastructure,		.,000,000	33.7.
	building infrastructure (heath Centre, markets,			
	schools, offices, agriculture infrastructure for			
	postharvest), Capacity building			
1 -	Consultancy services for carrying out feasibility	Rwanda,	USD,266,445	JV Partner with
2021	study for construction works of two roads (110km)	MINEMA/WB		Beza Consulting
0 1 2024	in Karongi and Kirehe Districts	D 1 1 1 1 1 1 1 1 1	110022 000	Engineers PLC
Oct 2021	Scoping of urban Transport project, Urban Mobility Improvement to Support Infrastructure and Service	Rwanda, NK-JICA	USD32,000	Sole Consultant
	in Kigali City			
Oct 2021	Mobility Survey and Focus Group in Kigali under the	Rwanda, EGIS-WB	USD8,910	Sole Consultant
	study on Electric Last Mile Connectivity Options			
July 2021	Introduction to Dedicated Bus Lane (DBL) for Kigali City	Rwanda, ITP-WB	US24,105	Sole Consultant
May-July	Technical Study for the topographic survey and	Rwanda, QLA-	USD,9,000	Sole Consultant
2019	Geotechnical study for the location of HIRAX sites	AIMS		
	in Musha and Kiziguro areas			
	(Including infrastructure networks)			
Jan 2019 to	·	Rwanda, PEZ	USD 41,806	Sole Consultant
May	mobility and the infrastructure condition in Kigali			
2019	Special Economic zone (KSEZ) and development of maintenance			
	strategies and costing for KSEZ phase I and Phase II			
July-Sept	Detailed data collection survey (feasibility study) for	Rwanda, NK/JICA	USD 75,800	Sub Consultant to
2018	development of urban transport system in Kigali	i i i i i i i i i i i i i i i i i i i	032 73,000	NIPPON KOEI
	City (city mobility, NMT system)			
June, 2018-	Traffic operation study and simulation for	Rwanda,	USD 45,000	Sole Consultant
August, 2019	Nyabugogo bus station and Design of all Major	CRBC/CoK		
	intersections			
Sept 2017-	Detailed improved design and supervision for the	Rwanda, REMA/	USD 67 000	JV Partner with
Setp	construction of Nyandungu Wetland Eco-Tourism	FONERWA		GASABO 3D
2020	Park in Kigali City, including ESAI and ESMP)			
Oct 2016-	Design review and Supervision for the	Rwanda, GASABO	USD 30 100	JV Partner with
Nov	Construction of Gabiro Airstrip (1200m runway,	3D/MoD		GASABO 3D
2019	Taxiway, Apron and building facilities)			



May 2008- July2009	Detailed Engineering design for the selected roads (27.54Km) in the settlements in the City of Kigali (including ESAI and ESMP)	Rwanda, CoK	USD 81,522	JV Partner with GASABO 3D
May-July 2018	Technical study for data collection survey on Development of Urban Transport Services in Kigali City	Rwanda, JICA	USD 64 275	JV Partner with NIPPON KOEI
Dec 2017	Technical Study Review and Contract Management and Claim for Upgrading of Base-Rukomo- Nyagatare road, Phase I Base-Rukomo (51.54Km)	Rwanda, CHICO	USD 26 000	Sole Consultant
Nov 2016 - Sept 2017	Technical Audit for the value for money on feeder roads rehabilitation (162.8Km) and maintenance (664.2Km) in five (5) Districts of Burera, Musanze, Gicumbi, Nyamasheke and Rusizi	Rwanda, KPMG	USD 10,080	Sole Consultant
Sept 2016	Technical Audit for completed upgrading and rehabilitation of the Kigali-Ruhengeri Road (83.1Km) including field and lab testing	Rwanda, CHICO/RTDA	USD 56,000	Sole Consultant
May –June 2015	Detailed Design Review for the Rehabilitation of Kitabi-Crete Congo/Nil and Voiries Urbaines de Huye	Rwanda, CHICO/RTDA	USD 26,000	Sole Consultant
April 2015	Feasibility study and detailed engineering and landscaping study of Nyandungu wetland eco-recreation park (134Ha), City of Kigali (including ESAI and ESMP)	Rwanda, REMA/FONERWA	USD 50,000	Sole Consultant
Feb, 2014	Feasibility Study and Detailed Engineering Design for development of Urban Transport Master Plan (road, parking, NMT, Street lights, drainage) and Solid waste management and dumping sites for Nyamagabe District in Rwanda	Rwanda, GITECH	USD 23 000	Sole Consultant
	Detailed Design, Integrated Master Plan and Cons	truction Supervisio	n of Building Pro	jects
May 2017	Detailed Architectural and Structural Design, Supervision and Contract Management of the Construction of Wood Factory, road and parking (9500m2) for JMG Contractor including ESAI and ESMP)	Rwanda, JMG Contractor	USD 43 000	Sole Consultant
May 2017	Detailed Architectural and structural design for the rehabilitation and Equipping REB Video Theatre	Rwanda, Rwanda Education Board (REB)	RWF 5, 841, 000	Sole Consultant
Oct 2017	Detailed Engineering Design (Architectural and Structural Design), Supervision for the Construction of Storage Warehouse and Offices for Heart of Africa, Industrial Park Kampala. including ESAI and ESMP)	Uganda, Africa Logistics Ltd	USD 63 000	Sole Consultant
Aug-Sept 2016	Detailed Architectural interior design for the Wibura Audio-Visual Studio and proposition of the studio equipment	Rwanda, Wibura Company Ltd	RWF 8,300,000	Sole Consultant
Dec 2015-Jan 2016	Detailed developing a model Video Theatre to blended learning approach, the unmatched art-of- studio with the use of modern technologies for OMEGA Technology	Rwanda, OMEGA Technology Ltd	RWF 6,500,000	Sole Consultant
June 2015- July, 2016	Detailed Architectural and structural design of the BUCLINO Audio-Visual Studio	Rwanda, BUCLINO Company Ltd	RWF 5,800,000	Sole Consultant



June-Sept 2014	Detailed design and construction supervision of overhead deck for car parking and Disco theater at Villa Portfino Hotel, Nyarutarama	Rwanda, Villa Portfino Hotel	RWF 29,800,000	Sole Consultant
Capacity Building		Program		
Sept, 2018	Training on Contract Management FIDIC Contract (module 1) for the Construction Supervision	Rwanda, Construction Industry	USD 32,700	In Partnership with FIDIC International
May 2016	Training on Contract Management FIDIC Contract (module 1 and 2) for the Construction Supervision	Rwanda, Construction Industry	USD 34,800	In Partnership with FIDIC International



B.2.RELEVANT SERVICES CARRIIED OUT IN LAST YEARS THAT BEST ILLUSTRATE EXPERIENCE

Assignment Name:		Country:
Design Review and Supervisi	ion for rehabilitation, upgrading	Rwanda
and multi-year maintenance	of indicative feeder roads in	
the Districts of Nyagatare, Ga	atsibo, Nyaruguru (210km)	
including ESAI/ESMP		
Location within Country:		Professional Staff Provided by Bidder (profiles):
E-S Contract: Nyagatarre, Gat	tsibo, Nyaruguru, Districts	Project Manager, Resident Engineers,
(210km)		Environmentalist, Sociologist,
		Geotechnical/materials, Hydrologist, Social and
		Environmental safeguard Non-key Personnel
		etc.
Name of Client:		No. of Staff:
Rwanda Transport Developm	ent Agency, RTDA	Total : 8 (Foreign Only)
		ASK : 15 (Nationals)
Address:		No. of Staff-Months: Duration of Assignment:
KG 563 St., Queen's Land House, P.O Box 6674, Kigali-Rwanda	1st Floor,	Total : 37 Months
Start Date: (Month/Year)	Completion Date: (Month/Year)	Approx. Value of Services (in Current US\$):
12/2019	1/2023	Total : US\$2,783,436
Name of Associated Consultants, If Any:		No. of Months of Professional Staff Provided by
		Associated Consultants:
MARISWE Consulting Ltd, Sou	uth Africa	Foreign: 69.1 M/M
		Local : 249.9 M/M



The World Bank has introduced new model on rural and semi urban feeder roads execution project in Rwanda under output and Performance-based Contracting for Roads (OPRC) which is aimed at increase the efficiency and effectiveness of road asset management and maintenance to easy rural mobility. The Contractors were responsible for carryout design-build and multi-year maintenance (DBM). The Consultant assignment was to review contractor's design, management plans, Monitoring, and Supervision of construction works for rehabilitation, and upgrading feeder roads to a paved and gravel standard. Supervision also includes the environmental, social (Sexual Exploitation and Abuse (SEA) and Gender-Based Violence (GBV, Health and Safety (ESHS) requirements that need to be satisfied/met by the Contractors in designing and executing the Works.





Main Components of the Project

Lo	Components	Descriptions
t		
1	Feeder Roads in Nyagatare district (55Km)	Lot 1: 38km, Lot 2: 17Km.
2	Feeder Roads Gatsibo district (86Km)	Lot 1: 38m, Lot 2: 29Km, Lot 3:19km
3	Feeder Roads Nyaruguru District (69Km)	Lot 1: 34m, Lot 2:35Km
		TOTAL 7Lots: 210Km



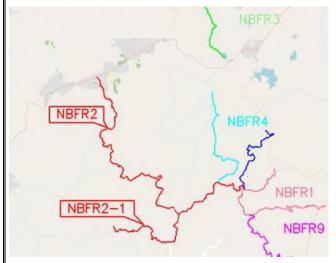
- Review of the Detailed Design submitted by the contractors
- Review and approve construction materials' quarries; borrow pits and dumping sites proposed by the contractors
- Design of the community support infrastructure alongside with the feeder roads, water supply and storage tanks, toiles and septic tanks system, Market centre, health Centre etc
- Review: the (i) base line data for the social-economic development, II) Contractors' Environmental and Social Management Plan (C-ESMP), (ii) Occupational Health and Safety Management Plan (OHSMP), the (iii) Labor influx, Gender-Based Violence, Sexual Exploitation and Abuse, and Violence and Abuse against Children Prevention and Response Action Plan (PRAP), the (iv) Code of Conduct prepared by the Contractor, and the (v) Emergency Procedures and Contingency Plan presented by the contractor, vi) Traffic flow Management Plan and capacity building on the Technology Transfer
- Monitoring and supervision construction of works for Rehabilitation / Upgrading
- Inspecting Road Conditions, data collection, traffic operation and mobility, for maintenance period
- Monitoring the Implementation of RAP and ESMP and ESHS management strategies and implementation plans during mobilization, construction and maintenance



Assignment Name:		Country:	
and multi-year maintenance of	n for rehabilitation, upgrading findicative feeder roads in the d Gankenke (233km), including	Rwanda	
Location within Country:		Professional Staff Provided by Bidder (profiles):	
N-W Contract: Gakenke, Nya	bihu, Rutsiro, Districts (238km)	Project Manager, Resident Engineers,	
		Environmentalist, Sociologist,	
		Geotechnical/materials, Hydrologist, Social	
		and Environmental safeguard Non-key	
		Personnel etc.	
Name of Client:		No. of Staff:	
Rwanda Transport Developm	ent Agency, RTDA	Total : 8 (Foreign Only)	
		ASK : 15 (Nationals)	
Address:		No. of Staff-Months: Duration of Assignment:	
KG 563 St., Queen's Land House, P.O Box 6674, Kigali-Rwanda	1st Floor,	Total : 37 Months	
Start Date: (Month/Year)	Completion Date: (Month/Year)	Approx. Value of Services (in Current US\$):	
12/2019	1/2023	Total : US\$2,712,238	
Name of Associated Consultants, If Any:		No. of Months of Professional Staff Provided by	
		Associated Consultants:	
MARISWE Consulting Ltd, So	uth Africa	Foreign: 69.1 M/M	
		Local : 249.9 M/M	



The World Bank has introduced new model on rural and semi urban feeder roads execution project in Rwanda under output and Performance-based Contracting for Roads (OPRC) which is aimed at increase the efficiency and effectiveness of road asset management and maintenance to easy rural mobility. The Contractors were responsible for carryout design—build and multi-year maintenance (DBM). The Consultant assignment was to review contractor's design, management plans, Monitoring, and Supervision of construction works for rehabilitation, and upgrading feeder roads to a paved and gravel standard. Supervision also includes the environmental, social (Sexual Exploitation and Abuse (SEA) and Gender-Based Violence (GBV, Health and Safety (ESHS) requirements that need to be satisfied/met by the Contractors in designing and executing the Works.





Main Components of the Project

Lo	Components	Descriptions
t		
1	Feeder Roads in Nyabihu District (85Km	Lot 1: 34m, Lot 2: 33Km, Lot 3:26km
2	Feeder Roads in Rutsiro District (79Km)	Lot 1: 41Km, Lot 2: 25Km, Lot 3:13km
3	Feeder Roads in Gakenke District (69Km)	Lot 1: 32Km, Lot 2: 18Km, Lot 3:19km
		TOTAL 9Lots: 233Km



- Review of the Detailed Design submitted by the contractors
- Review and approve construction materials' quarries; borrow pits and dumping sites proposed by the contractors
- Design of the community support infrastructure alongside with the feeder roads, water supply and storage tanks, toiles and septic tanks system, Market centre, health Centre etc
- Review: the (i) base line data for the social-economic development, II) Contractors' Environmental and Social Management Plan (C-ESMP), (ii) Occupational Health and Safety Management Plan (OHSMP), the (iii) Labor influx, Gender-Based Violence, Sexual Exploitation and Abuse, and Violence and Abuse against Children Prevention and Response Action Plan (PRAP), the (iv) Code of Conduct prepared by the Contractor, and the (v) Emergency Procedures and Contingency Plan presented by the contractor, vi) Traffic flow Management Plan and capacity building on the Technology Transfer
- Monitoring and supervision construction of works for Rehabilitation / Upgrading
- Inspecting Road Conditions, data collection, traffic operation and mobility, during maintenance period
- Monitoring the Implementation of RAP and ESMP and ESHS management strategies and implementation plans during mobilization, construction and maintenance



Assignment Name:		Country:	
FEASIBILITY STUDY FOR TH	Rwanda		
KARONGI (49Km) AND KIR	EHE (71Km) (DISTRICTS		
Location within Country:		Professional Staff Provided by Bidder	
		(profiles):	
Karongi and Kirehe Distri	ct	Traffic Engineers, Traffic Enumerators,	
		Supervisors	
Name of Client:		No. of Staff:	
MINEMA		Total: 9	
		BEZA: 3 (Foreign)	
		ASTRI 6 (Nationals)	
Address:		No. of Staff-Months: Duration of	
		Assignment:	
Kigali- Rwanda		Total : 9months	
Start Date: (Month/Year)	Completion Date: (Month/Year)	Approx. Value of Services (in Current US\$):	
5/2021	2/2022	Total : US\$ 266,445	
Name of Associated Consultar	nts, If Any:	No. of Months of Professional Staff	
		Provided by Associated Consultants:	
Beza-Astrik JV		Local : 32 M/M	



The Government of Rwanda through the Ministry in Charge of Emergency Management (MINEMA) together with the funding from the World Bank have developed the project entitled "Socio-Economic inclusion of Refugees and Host Communities" (SEIRHCP). JV of BEZA Consulting Engineering PLC and ASTRIK International were engaged to carryout Feasiblity studies and preliminary detailed design for upgrading of road construction of 120 Km of gravel roads (71Km in Kirehe District, namely Rusozi-Mahama-Mpanga-Kabuye-Nasho Road and 49 Km in Karongi District, namely Kibuye -Karongi-Gisovu-Uwisumo Road) to provide sealed roads under the DBM and OPRC with maintenance period,





Main Components of the Project

Lot	Components	Descriptions
1	Feasibility Studies	Diagnostic analysis and project orientation
2	Economic analysis	NPV, IRR
3	Detailed preliminary Design	Detailed Engineering designs
4	ESIA and RAP	Detailed EMP, ESAMP, ESHS
5	DBM- Contract for the works	Design- Build- Maintenance model contract

- Conducted various engineering surveys and investigations for the preliminary concept design
- Carryout Road Inventory Survey for utilities, road infrastructure
- Carryout topographic survey along the proposed alignment using RTK (Real-time Kinematic) a relative positioning technique
- Carryout traffic survey
- Carryout preliminary engineering design (geometric design, geotechnical, pavement, hydrology, etc)
- Caryout EISA, ESMP, RAP and obtained RDB ESIA certificates
- Carryout economic analysis of the project investment etc
- Present the Feasibility studies and preliminary detailed design to the stakeholder for validation and approval of the reports



Assignment Name:		Country:
DEVELOPMENT OF PARKI	NG MANAGEMENT FOR THE CITY	Rwanda
OFKIGALI-TRAFFIC PARKI	NG SURVEY	
Location within Country:		Professional Staff Provided by
		Bidder (profiles):
City of Kigali		Traffic Engineers, Traffic
		Enumerators, Supervisors
Name of Client:		No. of Staff:
Institute for Transportation	on & Development Policy/CoK	Total: 5 (Engineers)
		Enumerator: 288
Address:		No. of Staff-Months: Duration of
		Assignment:
New York, NY 10003, USA		Total : 2 Weeks
Start Date: (Month/Year)	Completion Date: (Month/Year)	Approx. Value of Services (in
		Current US\$):
12/2019	1/2023	Total : US\$35.900
Name of Associated Consulta	No. of Months of Professional	
		Staff Provided by Associated
	Consultants:	
Sole Consultant		Local : 132 M/D



ITDP and the United Nations Human Settlements Programme (UN-Habitat) in partnership with COK and the Ministry of Infrastructure are currently developing a parking management system for the City of Kigali. To inform this plan, ITDP seeks to conduct a survey to determine on- and off-street parking demand in the Kigali CBD. ITDP Engaged ASTRIK International to carry out extensive traffic parking survey and data

collection in the selected locations within Central Business District (CBD) in the City of Kigali (CoK





Main Components of the Project

Lot	Components	Descriptions
1	ON-Street Occupancy	137 block- faces were surveyed
2	ON-Street turnover	10 block faces surveyed
3	Off-Street Parking Inventories	63 parking locations and facilities were surveyed
4	Off-Street Parking Occupancy	63 parking locations and facilities were surveyed

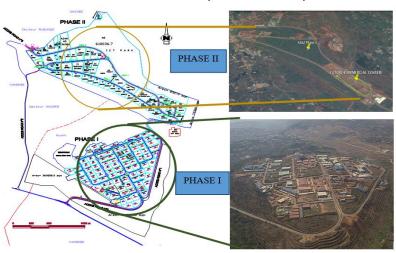
- Collect traffic survey data by manual count and filled-in the survey forms
- Carryout data entry on numbers of vehicles on each block face, classified by type of vehicles, bicycle, motorcycle
- Carryout data entry on numbers of license plate of every vehicle, classified by type of vehicle motorcycle, along the respective block face
- Carry out data entry on number of parking spaces, and parking classified by type of vehicles, motorcycle in each off-street facilities
- Carry out data entry on numbers of parking vehicle classified by type, in each off-street facilities
- Prepare technical reports with different type of parking survey



Assignment Name:		Country:
Technical study on the utilities operations, traffic		Rwanda
mobility and the infrastr	ucture condition in Kigali	
Special Economic zone (KSEZ) and development of	
maintenance strategies	and costing for KSEZ phase I	
and Phase II		
Location within Country:		Professional Staff Provided by Bidder (profiles):
Kigali industrial area		Road Infrastructure expert ,
		Asset Management Expert
		Electrical, Mechanical and Water Expert,
Name of Client:		No. of Staff:
Kigali Special Economic Zone (PEZ)		Total : None (Foregn)
		ASK : 4 (Nationals)
Address:		No. of Staff-Months: Duration of Assignment:
Kigali Industrial Areas, Masor	ro	Total : 5 Months
Start Date: (Month/Year)	Completion Date:	Approx. Value of Services (in Current US\$):
	(Month/Year)	
01/2019	5/2020	Total : US\$41,806
Name of Associated Consultants, If Any:		No. of Months of Professional Staff Provided
		by Associated Consultants:
None		Local : 20 M/M



The technical study on the maintenance strategies, traffic mobility and costing of KSEZ public infrastructure was commissioned in line with the Government of Rwanda's aim to improve service delivery to the end-user in the industrial parks. The study focuses on the assessing PEZ public infrastructure assets, establishing maintenance strategies, for sustainable operations, which will link into the financing, and responsibility of the utilities urgency end-users and their involvement. The layout of the study areas.



Main Components of the Project

Nr	Components	Descriptions	
		Phase I	Phase II
1	Road and drainage network	7.27Km	6.5Km
2	Streetlight network	7.8Km	9,2Km
3	Water supply system, firefighting	23.2Km	25,92Km
4	Sewerage treatment plant	3000рр	3000рр
5	Electrical cable, transformer, Substations	25.9Km	25.92Km

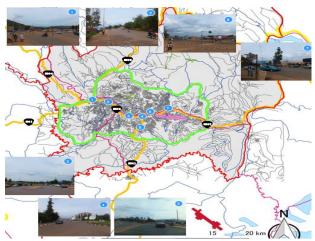
- Review the laws, policies and regulations and defining the responsibilities across levels of government and between public utilities agency and investors at KSEZ,
- Carry out condition assessment, data collection and determine the deterioration model of the KSEZ infrastructure including: **traffic count, road condition**, surface drainage, electrical supply installation, water supply installation, fire fight system, sewerage system and plants.
- Developing infrastructure maintenance strategies, asset management, and related budget/costs and source of funds with clear responsibilities of each stakeholders and
- Identifying potential problems and challenges, as well as providing recommendations on future asset management strategies and end-user involvement.



Assignment Name:		Country:	
Detailed data collection survey (feasibility study) for		Rwanda	
development of urban to	ansport system in Kigali City		
(city mobility, NMT system, using ITS)			
Location within Country:		Professional Staff Provided by Bidder (profiles):	
City of Kigali		Project Manager, Transport planner	
		spatial survey analyst, Traffic Engineer,	
		Urban planner, Road Structure planner	
		Social –economist analyst, Road Asses	
		Engineer and numerators (support staff)	
Name of Client:		No. of Staff:	
NK-JICA/Rwanda Transport Development Agency		Total: 6 (Foreign)	
		ASK : 4 (Nationals)	
		ASK-Support Staff (250)	
Address:		No. of Staff-Months: Duration of Assignment:	
KG 563 St., Queen's Land Hou P.O Box 6674, Kigali-Rwanda	use, 1st Floor,	Total : 4 Months	
Start Date: (Month/Year)	Completion Date:	Approx. Value of Services (in Current US\$):	
	(Month/Year)		
07/2018	09/2018	Total : US\$475,800	
Name of Associated Consult	ants, If Any:	No. of Months of Professional Staff Provided	
		by Associated Consultants:	
None		Local : 12 M/M	



The data collection for traffic management in Kigali city was commissioned by JICA in line with the Government of Rwanda's aim to initiate Kigali as Smart City, utilising data for the development of Kigali smart city control centre (KSC3). Utilise the data for future urban planning, advance signal system at the major intersection, communication network with the Control Center for easy mobility and safety within the city. The layout of the study areas.





- Review; Information on public transportation, Previous studies and documents (BRT System, DBL), collection special GIS map of the city of Kigali
- Data collection and analysis of congestion area in Kigali City including seven intersections required improvement: 7 intersection
- Development Considerable catchment area to national road 1,2,4,5
- Carryout Data Analysis and Model simulation on traffic mobility at the study intersections
- Planning and Conceptual Design for the Intelligent transportation system (ITS) Kigali Smart City Control Centre (KSC3)
- Carrout validation workshops with stakeholders (MININFRA, RTDA, CoK, RURA, Traffic Policy, NGOs)
- Prepare for consideration ODA cooperation by making project short lists taking into account urgency and priority etc on possible financial assistant approach (combined grant aid, technical assistance and ODA loan)



Assignment Name:		Country:	
Technical Assistance to Local Government (LODA) to all		Rwanda	
district including City of Kigali on support for the			
implementation of decentralized & Good Governance			
Program			
Location within Country:		Professional Staff Provided by Bidder (profiles):	
Kigali and All 30 District		Urban planners, Environmentalist,	
		Economist, Road Engineers	
Name of Client:		No. of Staff:	
LODA/KFW		Total: 3 (Foreign)	
		ASK : 11 (Nationals)	
Address:		No. of Staff-Months: Duration of Assignment:	
Gasabo District Head Quarter	r	Total : 45 Months	
Start Date: (Month/Year)	Completion Date:	Approx. Value of Services (in Current US\$):	
	(Month/Year)		
08/2019	12/2022	Total : US\$4,000,000	
Name of Associated Consult	ants, If Any:	No. of Months of Professional Staff Provided by	
		Associated Consultants:	
GOPA-ASTRIK Association		Local : 45 M/M	

Narrative Description of Project:

The Government of Rwanda (GoR) adopted the National decentralization policy in 2000 which started being implemented in May 2001 as a remedy to the then existing challenges including highly centralized administration with unaccountable leadership, powerless, voiceless, disengaged and socially vulnerable communities, high levels of inequality and divisionism within the society, low productivity and low level of local economic development.







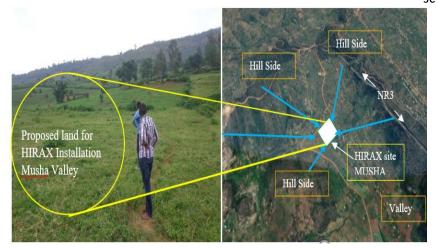
- Review; Local Government Structure constraints and provide appropriate recommendations
- Review fiscal and financial Decentralisation: Strengthen and empower LGs to generate revenue, enhance inter-governmental transfers, and strengthen local PFM capacity
- Review the decentralized administrative structures, aiming at strengthening the Cell as the center of service delivery
- Carryout Sectoral Decentralisation: Mapping decentralized functions and services and align sectoral policies with the national decentralization policy
- Carryout Capacity Building: Develop a comprehensive long-term CB strategy for effective decentralized governance and service delivery. The strategy should identify and address specific needs of individual LGs entities taking into consideration their unique challenges, and integrate issues of capacity retention
- Carryout Coordination framework: to clarify devolved functions and responsibilities and strengthen synergies in policy implementation. Establish effective Agency (new or existing) strategically place it in appropriate organizational hierarchy to effectively coordinate and provide policy implementation support to all stakeholders

Assignment Name:		Country:	
Feasibility Study, Preliminary Detailed desing and		Rwanda	
Environmental social environmental impact assessment			
for the installation of the HILAX dishes in Kiziguro and			
Mushya in Rwanda			
Location within Country:		Professional Staff Provided by Bidder (profiles):	
Gatsibo and Rwamagana Districts		GIS expert, Geotechnical Engineer,	
		Environmentalist, Road Engineer, Electrical	
		Engineer, Water supply Engineer	
Name of Client:		No. of Staff:	
AIMS-RWANDA		Total : 6Staff	
Address:		No. of Staff-Months: Duration of Assignment:	
Remara-Kigali		Total : 2 Months	
Start Date: (Month/Year)	Completion Date:	Approx. Value of Services (in Current US\$):	
	(Month/Year)		
02/2019	July 2019	Total : US\$7,000	
Name of Associated Consult	ants, If Any:	No. of Months of Professional Staff Provided by	
		Associated Consultants:	
Sole		Local : 13 M/M	



The technical study on the proposed HIRAX site of Musha in Rwamagana District and Kiziguro in Gatsibo District was commissioned in line with AIMS development of HIRAX site in Rwanda aimed at mapping nearly all of the Southern sky in radio continuum and neutral hydrogen line emission over a frequency range of 400 to 800MHz. The HIRAX outrigger telescope in Rwanda is expected to provide an avenue for development, through cutting edge research, collaborations with international professionals in the field of Cosmology, Astrophysics and Data science





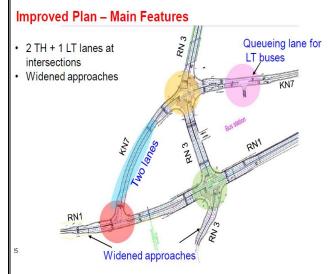
- Study on the requirement for the HIRAX site and related equipment to be installed in the selected sites and provision
- Carryout condition survey (visual Assessment and Reconnaissance) of the proposed sites for (Musha) and (Kiziguro) its terrain, access road, drainage condition, etc.
- Identification of existing utility supply to the sites and design for water, electricity supply)
- Conduct detailed Topographic survey and installation of the permanent benchmark and making situation plan 1/10,000
- Conduct Dynamic Cone Penetration (DCP) tests (identified locations) for the road and building construction
- Conduct Geotechnical test pits investigation (identified locations), for the foundation design and collection of soils samples
- Conducting laboratory tests on the field sample and preparing lab report,
- Conduct EISA and ESMP for the construction of the HIRAX sites
- Preparing Draft Technical/ Engineering study report for the review of Client

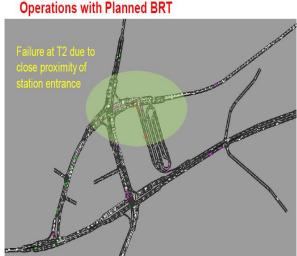


Assignment Name:		Country:	
Traffic operation study a	nd simulation for Nyabugogo	Rwanda	
bus station and Design o	of all Major intersections		
Location within Country:		Professional Staff Provided by Bidder (profiles):	
City of Kigali, 54Km road upgrading		Team Leader , Transport planner	
		spatial survey analyst , Traffic Engineer, Urban	
		planner, Road Engineer and numerators	
		(support staff)	
Name of Client:		No. of Staff:	
CRBC/City of Kigali		Total : 2 (Foreign)	
		ASK : 4 (Nationals)	
		ASK-Support Staff (25)	
Address:		No. of Staff-Months: Duration of Assignment:	
Kiyovu Kigali		Total : 9 Months	
Start Date: (Month/Year)	Completion Date:	Approx. Value of Services (in Current US\$):	
	(Month/Year)		
06/2018	08/2019	Total : US\$45,000	
Name of Associated Consult	ants, If Any:	No. of Months of Professional Staff Provided by	
		Associated Consultants:	
TIMCON Consult, Kenya		Local : 9 M/M	



The data collection for traffic simulation at Nyabugogo areas was commissioned by CBRC in line with the City of Kigali aim to initiate proper traffic flow at heavily congested intersections within Nyabugogo areas to allows easy mobility of the bus and passenger at the bus park and business areas. The layout of the study areas.





- Review; Information on public transportation, Previous studies and documents (BRT System, DBL), collection special GIS map of the city of Kigali
- Data collection and analysis of congestion intersections in Nyabugogo area in Kigali City including three main intersections required improvement
- Development Considerable catchment area to national road
- Carryout Data Analysis and Model simulation on traffic mobility at the study intersections
- Planning and Conceptual Design for intersections improvement and signalization of three intersections
- Carryout validation workshops with stakeholders (MININFRA, RTDA, CoK, Traffic Policy)



Assignment Name:		Country:	
Improving of detailed design and supervision for the		Rwanda	
construction of Nyandur	ngu Wetland eco-tourism park		
(130ha) in Kigali city			
Location within Country:		Professional Staff Provided by Bidder (profiles):	
Nyandungu in the City of Kigali		Project Manager, Resident Engineer, Quantity	
		Surveyor, Architecture, landscape Arch,	
		Botanist, Structural Materials engineer, Civil	
		Engineer, Surveyor, Electrical, Mechanical	
		engineer etc.	
Name of Client:		No. of Staff:	
Rwanda Environment Management Authority (REMA)		Total : 11	
		ASK : 5	
Address:		No. of Staff-Months: Duration of Assignment:	
Inyota House, Kacyiru; KG 7Av. P.O. Box 7436 Kigali, Rwanda		Total: 31 Months	
Start Date: (Month/Year)	Completion Date:	Approx. Value of Services (in Current US\$):	
	(Month/Year)		
09/2018	09/2021	Total : US\$139,266	
Name of Associated Consult	ants, If Any:	No. of Months of Professional Staff Provided by	
		Associated Consultants:	
Gasabo 3D design Ltd		Total : 107 M/M	



In 2015, Rwanda Environment Management Authority, REMA awarded ASTRIK International to conducted a conceptual study for the establishment of urban wetland recreation and eco-tourism park in Nyandungu valley in the City of Kigali. The study recommend a full development of Nyandungu wetland to address the citizen opinions of ensuring the safe recreation places, offering cutting-edge services and providing various cultural and educational program as well as contributing to the well-being of the citizen. In May 2017, REMA contracted Gasabo 3D in Joint Venture with ASTRIK International to carry out full development of detailed design, landscaping design and supervision of the project implementation.



Main Components of the Project

Lot	Components	Descriptions
1	Detailed landscaping design for	Planting of Selected plants species, vegetations,
	ecological and rehabilitation	recreation/picnic areas,
	enhancement (130Ha)	
2	Detailed design of low ecological impact	Ponds, Flood Control, stream widening, drainage for
	landscaping, Including living machine	waste infiltration system (living Machine)
3	Detailed design of low impact	Asphalt roads, Walkway, bicycle lane, wood bridges,
	recreational amenities, and	benches, parking, water supply (2.5Km), sewerage
	infrastructure	treatment system, water storage tanks, building for
		Info-Centre, toilets, modern restaurant, large parking
		areas 300 vehicles/ amphitheater for entertainment,
		solar street lights, CCTV
4	Detailed design of educational and	Botanic garden, birds observatory, etc
	recreational attraction	
5	Preparation of BOQ	List of items to be executed with related costs
6	Monitoring and Supervision for	Contract management
	Construction of works	



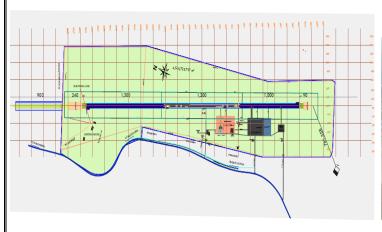
- Improved Detailed landscaping design for ecological and rehabilitation enhancement of the wetland
- Improved Detailed design of low impact recreational amenities, **Walkway**, **bicycle lane**, wood bridges, benches, parking etc
- Monitoring and supervision; Review and approve construction materials', quality assurance and control proposed by the contractors
- Review: the (i) Contractors' Environmental and Social Management Plan (C-ESMP), (ii) Occupational Health and Safety Management Plan (OHSMP),
- Monitoring and supervision construction of works for ecological and Rehabilitation of the wetland



Assignment Name:		Country:	
Detailed Design, Design	review and supervision for the	Rwanda	
construction of Gabiro a	irstrip (1200m runway,		
taxiway, apron and building facilities)			
Location within Country:		Professional Staff Provided by Bidder (profiles):	
Gatsibo District in East province		Resident Engineers, Pavement /materials,	
		Specialist etc.	
Name of Client:		No. of Staff:	
Gasabo 3D Design		Total : 9	
		ASK : 1	
Address:		No. of Staff-Months: Duration of Assignment:	
KG 563 St., Telcom House, 2st Floor, Kigali-Rwanda		Total : 36 Months	
Start Date: (Month/Year)	Completion Date:	Approx. Value of Services (in Current US\$):	
	(Month/Year)		
10/2016	6 11/2019 Total : US\$276,664		
Name of Associated Consultants, If Any:		No. of Months of Professional Staff Provided by	
		Associated Consultants:	
Sub-Consultant to Gasabo 3D Design Ltd		Local : 220 M/M	

Narrative Description of Project:

The Ministry of Defence Rwanda (MoD) contract Gasabo 3D to carryout detailed design of the Gabiro Airbase (green field) and ASTRIK was sub contracted with G3D as a team leader in the execution of project which includes the design and supervision of the Runway 1.4Km, Apron 300m², taxiway 380m, building facilities, i.e. Administration, Mess, ATC, Fire Fight, hangars (maintenance& storage), hazardous, accommodations (Senior, Junior and NCOs) power house, fuel shade, water supply, electrical supply, access road and parking etc







Main Components of the Froject	Main	Components	of the	Pro	iect
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Lot	Components	Descriptions	
1	Runway (paved with AC 110mm)	Distance 1400m with 100m overshoot	
2	Taxiway paved with AC110mm	Distance 380m	
3	Apron	Areas 300m ²	
4	Area for Future extension, Apron, Taxiway, hangars	Over 2000m2	
5	Air Traffic Control (ATC) building	G+2 floor	
6	Administration building	G+1 floor	
7	Hangars 35x25M	Maintenance and Storages	
8	Fire Fight building		
9	Perimeter roads, access road, Parking and Fence	6Km	
10	Accommodation (Senior, Junior, NCOs)	G+2 and G respectively)	
11	Other facilities (mechanical, electrical, gardening, drainage		
	system, street light signage's etc		

- Analysis of the runway orientation and any obstacles around the selected new green field site in accordance with ICAO, IATA and RCAA standards, specifications and guideline
- Detailed engineering design of the pavement structures for the runway, taxiway, and apron,
- Detailed design of the airside and landside access roads, storm water drainage, and fencing structure
- Soil investigation and materials selections for the embankment construction, pavement construction for runway, taxiway and apron.
- Preparing technical design report, bills of quantities, and confidential costs estimates
- Monitoring and supervision for the construction activities including contract management and implementation plans during mobilization, construction and maintenance



Assignment Name:		Country:	
DETAILED DESIGN FOR THE SELECTED ROAD (28.54KM)		Rwanda	
IN THE CITY OF KIGALI			
Location within Country:		Professional Staff Provided by Bidder (profiles):	
Nyarugenge, Kicukiro an	d Gasabo District	Project manager, Geotechnical/materials	
		Engineer, Environmentalist, Surveyor,	
		Hydrologist, Pavement Engineer, Electrical	
		Engineer	
Name of Client:		No. of Staff:	
City of Kigali		Total: 7	
		ASK : 4	
Address:		No. of Staff-Months: Duration of Assignment:	
Kigali City Hall, KN 3 Av, Kiga	li-Rwanda	Total : 10 Months	
Start Date: (Month/Year)	Completion Date:	Approx. Value of Services (in Current US\$):	
	(Month/Year)		
05/2018	03/2019	Total : US\$81,522	
Name of Associated Consult	ants, If Any:	No. of Months of Professional Staff Provided by	
		Associated Consultants:	
Gasabo 3D Design Ltd JV with ASTRIK International Ltd.		Local : 108 M/M	

Narrative Description of Project:

The City of Kigali (CoK) has selected different earth roads from different districts of Nyarugenge, Kicukiro, and Gasabo to be upgraded into paved standards in line with the City of Kigali Master Plan. CoK contracted JV of Gasabo 3d and ASTRIK international to carry out the detailed design of the selected road Lot 1 winch include improving of the mobility at main interactions and provision of the NMT facilities





	Main Components of the Project			
Lot	Components	Descriptions		
1	Road Upgrade in Nyarugenge District	Distance 6.14Km		
2	Road Upgrade in Kicukiro District	Distance 10.24Km		
3	Road Upgrade in Nyarugenge District	Distance 9.87Km		
4	Other facilities (drainage system, waste water infiltration system,			
	street light, NMT, gardening, signage's etc			
5	Preparation of the BoQ			
6	Preparation of the ESIA, ESMP			
7	Preparation of Tender document			

- In-depth Identifications of the selected criteria of design parameters
- Detailed Topographic survey and assessment of the existing land use
- Detailed design of the airside and landside access roads, storm water drainage, and fencing structure
- Detailed Geotechnical investigation of the soil and construction materials
- Detailed Geometric parameters and detail analysis of traffic count
- Detailed Pavement Design
- Detailed analysis of Hydrology and hydraulic structure design
- Detailed design of the street light
- Environmental impact Assessment (EIA) and the certification from RDB
- Environment Management Plan (EMP) which describes the mitigation measures required during project implementation
- The brief expropriation report on the people's properties to be affected by expanding the geometrical alignment of the selected roads and drainage
- Bills of Quantities and Unit rate
- Tender Documents and Technical Specifications



Assignment Name:		Country:	
Training on Contract Management FIDIC Contract		Rwanda	
(Module 1) For the Construction Supervision			
Location within Country:		Professional Staff Provided by Bidder (profiles):	
City of Kigali		Trainer on FIDIC Contract Management	
		Training Coordinator	
Name of Client:		No. of Staff:	
Construction Industry Practitioners		Total : 2	
		ASK : 1	
Address:		No. of Staff-Months: Duration of Assignment:	
Kigali City Hall, KN 3 Av, Kigali-Rwanda		Total : 2 days	
Start Date: (Month/Year) Completion Date:		Approx. Value of Services (in Current US\$):	
	(Month/Year)		
13/09/2018	14/09/2018	Total : US\$22,880	
Name of Associated Consultants, If Any:		No. of Months of Professional Staff Provided by	
		Associated Consultants:	
FIDIC, Swiss land in JV ASTRIK Training Manager		Foreign: 2days	
		Local : 2days	

Narrative Description of Project:

Rwanda Construction Industry, most of the awarded projects are improperly conceived, under budgeted, not consistence with the design and specifications, which resulting into claims and disputes. Therefore, in FIDIC Contracts there will be Claims. The FIDIC training Modules aims to address this challenge by providing a practical guide on the use and management of contract including claims and Dispute Resolution using FIDIC module of Contract and Multi-lateral Development Banks Harmonized Conditions of Contract. The training is targeting construction industry practitioners from Employers, Contractors, Engineers and Legal advisers, Academicians etc





Main Components of the Project			
Lot	Components	Descriptions	
1	Practical use and selection of the types of FIDIC contract	FIDC Module 1	
2	The Management of Contract Claims	FIDIC Module 2	
	and the Resolution of Disputes		
3	Understanding the FIDIC EPC/Turnkey Contract	Special Modules	

- Introduction and Principles of FIDIC contract
- Responsibility of Main Parties
- Contract Management
- Financial Procedures
- Contractual Risks
- Claims and Contractual Procedures
- Time related Claims by Contractor
- Engineer as DAB, Amicable Settlement & Arbitration
- The Working of the DAB and Procedural Rules (PR)
- Work Exercises for award of FIDIC Certificate