



Solutions for Africa
SOCIETE DE FORAGES

EXCELLENCE FOR DRILLING

since 2005

'We drill for progress'



INTRODUCTION

Ste Solutions for Africa SARL is local registered company incorporated under the laws of DR Congo in 2005, Specialized in drilling solutions that services the mining companies, industrial and domestic sector, aid agencies and NGO's.

Since establishment S4A has grown into efficiently and effective business unit, maintaining a high standard with regards to personnel, equipment's, health & safety and delivery of quality and satisfy services to our respected client.

Our Equipment's are well advanced and we operates 22 machines in total all over DR Congo and provide a comprehensive range of drilling services from early stage of exploration to mine site operations. Our presence with intimate local knowledge through our local extensive crew to ensure every project is success.

S4A business activities are more focused on providing exploration drilling, water drilling services, geotechnical samplings, Aquifer test, pump supply & installations (solar and electric energy) with water distribution system.

Using state-of-the art equipment, technology and sourcing the best personnel available, we aim to provide the highest and most innovative standard of service possible. Delivery to clients within the budget and timeframe is our main priority, whilst maintaining an exemplary safety record. Our current fleet of drill rigs is expanding to enable S4A to work at various locations nationally.

Ste Solutions for Africa SARL has the expertise, equipment and back up service to cater for a number of exploration, environmental, geo-technical and structural drilling services. Previous clients have experienced a well backed company with its main focus 100% safety compliance being zero harm. We're a team focused on continually implementing technologically advanced drilling techniques in order to continuously increase the efficiency and accuracy of field data.

OUR VISION & MISSION

As a business, our focus is to balance the interests of all major stakeholders in ways which work to everyone's mutual benefit and success. We utilize our experience and expertise in varied sectors to provide maximum benefit, which encourages repeat patronage and good will from our clients and partners. The key to our success has been our ability to seize the existing and emerging market opportunities, thereby building value.



We endeavor to be one of the most competitive construction firm with emphasis on efficiency in operations, reliability for customers and thrust on development. Our diverse business divisions work closely together, sharing best business practices. They combine financial, managerial and operational skills and resources to make a difference.

Our assets, business infrastructure and human capital integrate to provide an impetus for continued growth. They also allow us to give back in equal measure to the community as well as disadvantaged individuals and organizations across the world.

Our unique formula of building trust stems from our belief that we are a company that builds people who build relationships. **Our values, trust, people growth, discipline and pride.** Form the cornerstone of this belief and enable us to build a performance driven culture of delivery, accountability and a profitable business.

We are focused on developing and growing our diversified portfolio of tier one assets to continue to meet the changing needs of our customers. Our equipment and personnel are the foundation of our operations, fuelling not just today's growth, but growth that will occur in years to come. We have a world-class portfolio of growth options that will ensure we are able to effectively plan for both the short and long term within the industry, and continue to create value for our Clients & People – Our Stakeholders.

Our personnel are available at all times to assist you in the planning and development of your exploration program with these values –

To always put safety first: To make people a priority: To meet or exceed the goals of your project: To provide highly skilled personnel on all projects: To deliver consistently excellent performance: To work with integrity

Our strong commitment to both quality and safety, demonstrated by substantial job skills training and a strong emphasis on safety awareness and compliance in each and every one of our employees is what sets us apart from the rest, and underpins the success of our operations.



OUR SHARED VALUES & BELIEVE

TRUST

WE WILL CONDUCT OUR BUSINESS WITH CUSTOMERS, STAKEHOLDERS AND EMPLOYEES WITH INTEGRITY HONESTY AND TRANSPARENCY

QUALITY

WE SHALL CONSTANTLY IMPLEMENT INDUSTRY-WIDE THE BEST PRACTICES WHILST SHUNNING POOR ONES, AND KEEP INCORPORATING LATEST TECHNOLOGIES TO IMPROVE THE QUALITY OF OUR PRODUCTS AND SERVICES

PERFORMANCE

WE WILL STRIVE TO DELIVER OUR SERVICES MOST EFFICIENTLY AND COMPETETIVELY BY EMPLOYING A HIGHLY MOTIVATED WORKFORCE, ASSETS OF THE HIGHEST STANDARDS UPGRADED WITH THE LATEST TECHNOLOGY AND IMPLEMENTING THE BEST PROCESS & SYSTEMS IN THE INDUSTRY

TEAMWORK

WE SHALL SHARE IDEAS, RESOURCES AND TALENTS AND HELP EACH OTHER IN ACHIEVING OUR COMMON AIM OF MAXIMIZING STAKEHOLDER VALUE AND CUSTOMER SATISFACTION



EQUIPMENT'S AND MACHINERIES

Equipment's	Brand	Model Number	Numbers	Status
Core Drill Rig	Atlas Copco	C6 & CS14	4	Owned
	Boart Long year	LF90D	4	Owned
	Boart Long year	LF70	1	Owned
RC Drill Rig	THOR	5000	1	Owned
	JCR	JCRC250	1	Owned
Water Well Drill Rig	WDR	DEW2500	1	Owned
	WDR	DEW2000	2	Owned
	WDR	DT2000	2	Owned
	WDR	DT1000	1	Owned
Compressor	Ingersoll	IR1150	5	Owned
	Doosan	1150	1	Owned
	Atlas copco	XRX1350	1	Owned
Booster	Atlas copco	Hurricane 1000	1	Owned
Blast hole Rig	Paramthaman Exp	PRD650	2	Owned
	Zega	Z450	3	Owned
	Sunward	SWDE120	1	Owned

BOART LONGYEAR LF90D

Depth Capacity - B Size	1385 mtrs
Depth Capacity - N Size	1064 mtrs
Depth Capacity - H Size	722 mtrs
Depth Capacity - P Size	476 mtrs



BOART LONGYEAR LF70

Depth Capacity - B Size	907 mtrs
Depth Capacity - N Size	636 mtrs
Depth Capacity - H Size	473 mtrs
Depth Capacity - P Size	313 mtrs



ATLAS COPCO-CS-14 & C6

Depth Capacity - B Size	1540 mtrs
Depth Capacity - N Size	1200 mtrs
Depth Capacity - H Size	800 mtrs
Depth Capacity - P Size	475 mtrs



JCRC-250

Hole Diameter	5 ½ Inch
Mounted	AL 2516 Truck
Depth Capacity	250 mtrs
Max Pull Up Force	17000kgs
Max Pull Down Force	4000kgs

THOR 5000

Drilling Capacity	5 1/2" upto 400meter
Mounting	Truck-Power Star
Air End Package	EL GI1100cfm/350PSI
Max Pull Up Force	19000kgs
Max Pull Down Force	6000kgs



Z450

Drilling Capacity	28 Mtrs
Mounting	Crawler
Air End Package	GHR - Zega
Hole Dia	115 to 152 mm
Rotation RPM	0-105
Tramming Speed	3 km/h



SWDE120

Drilling Capacity	0-25 mtrs
Mounting	Crawler
Air End Pakage	550 RH
Hole Dia	90- 138 mm
Rotation RPM	0-70 RPM
Tramming Speed	3.2 Km/H



PRD MAX-650



Hole Diameter	90mm - 127mm (3 1/2" -
Drill Depth	Up to 15m
Rotation Torque	225 KG/M
Rotation RPM	0 – 160 RPM
Pull Up/Pull Down	8591 KGS
Tramming Speed	2.5 km/hr

DT/DEW 1500-2500

Hole Diameter	150mm-445mm
Drill Depth	Up to 250M
Rotation Torque	86000 Ibs
Rotation RPM	0 – 100 RPM
Pull Up/Pull Down	18000-47000 KGS/mtr



AIR COMPRESSOR



Model	XRX 1350
CFM	1350 CFM
PSI	425 PSIG
Engine	Cummins/ KTA-1150-C

BOOSTER

Drilling	6T-276-41B/1000
Drive engine	CATERPILLAR 3126B
PSI/CFM	2400 CFM/1000 PSI
OPERATING SPEED	1200 RPM - 1925 RPM
Wet weight	7870 POUNDS



SERVICES

- DIAMOND CORE DRILLING
- HELI/MAN PORTABLE DIAMOND CORE
- REVERSE CIRCULATION DRILLING
- BLAST HOLE DRILLING
- GRADE CONTROL
- INFILL DRILLING
- RAB DRILLING
- AUGER DRILLING



SERVICES

- LARGE DIAMETER PRODUCTION & DEWATERING WELLS
- MONITORING/PIEZOMETERWELLS
- AQUIFER TEST
- RESISITIVITY/IP SURVEY
- SUPPLY AND INSTALLTION OF PUMPS (.75kw TO 150kw)
- SOLAR PUMPS INSTALLATION
- WATER TREATMENT PLANT

S4A has enables itself to become one of the top performing drilling contractor which enable us to procure major surface projects

THE REASON FOR OUR SUCCESS IS SOME OF THE FOLLOWING:-

- ✓ Our ability to work in harsh and remote environment.
- ✓ Our highly experienced/versatile & dedicated work force.
- ✓ Our logistic ability to supply.



OUR CLIENT

- ✓ Kamo Copper SA
- ✓ Kamoto Copper Company - KCC
- ✓ Gecamine
- ✓ Tenke Fungurume Mine (TFM)
- ✓ Compganie Miniere Du Tondo (CMT)
- ✓ Golders Associates S.A
- ✓ ERM Consultants S.A
- ✓ Comide (ERG Group)
- ✓ Boss Mining (ERG Group)
- ✓ Somika Sprl
- ✓ Kisanfu Mining
- ✓ Mining Minerals Resources (MMR)
- ✓ Kipushi Corporation Mine SA (KICO)
- ✓ SEK
- ✓ Ruashi Mining
- ✓ GCS
- ✓ Iverland Mine - Lupoto
- ✓ Chemaf
- ✓ Exigo 3
- ✓ Maison super development
- ✓ Mining engineering services
- ✓ Brasimba
- ✓ Hyper Psaro
- ✓ Province Lualaba- Ministry of Energy
- ✓ Regideso



ALCOHOL AND OTHER DRUGS POLICY

Solution for Africa recognizes the value of their employees and is committed to promoting and maintaining the health and well-being of every member of their workforce.

The inappropriate use of alcohol and other drugs can impair an employee's ability to maintain safe working practices.

All employees and other people engaged to work on behalf of, or at the direction of Solution for Africa, have a responsibility to present for work and remain unimpaired by alcohol or other drugs at all times in the workplace and this means, **ZERO** level for alcohol and within the legal limits for drugs.

It shall be a dismissible offence to bring or use alcohol or illicit substances which include drugs on any Solution for Africa work site. It is also both illegal and a dismissible offence, to enter the work site under the influence of alcohol or other drugs.

All S4A employees' permanent or temporary who are staying at S4A camp work site on behalf, or at direction of Solution for Africa, including visitors should maintain, **ZERO LEVEL FOR ALCOHOL & OTHER DRUGS.**

If anyone caught drinking or drunk, shall be liable to disciplinary action including **TERMINATION OF SERVICES WITH IMMEDIATE EFFECT.**

Employees may be required to undertake random drug and alcohol testing at any time.



ENVIRONMENTAL POLICY

Solution for Africa recognizes the need to protect the environment in order to allow sustained economic development for the long-term benefit of the community. They are committed to ensuring that environmental responsibility be incorporated as part of their normal business practice. It is the duty of all employees to exercise care in their work to ensure this commitment is achieved.

Listed below:

- 🌍 Client requests, with regard to the treatment of sites and leases, must be taken into account prior to the commencement of operations.
- 🌍 While on site, vehicles and equipment are only to be driven on designated roads, unless alternate arrangements have been authorised by the client.
- 🌍 Areas of undisturbed bush and environmentally sensitive areas are to be accessed, only with consent of the Mine or Exploration Manager.
- 🌍 All waste goods, food, tyres and broken equipment, are to be disposed of properly, at a designated waste facility.
- 🌍 The use of chemicals, salt water or any other fluids must be controlled in the correct manner. This particularly applies to cleaning up immediately and containing any fuels, oils, greases or chemical substances that may contaminate any areas of ground or waterways.
- 🌍 All legislative requirements must be fully complied with an updates or changes in the Act and Regulations must be communicated to all employees, and
- 🌍 On completion of each drilling program, the disturbed area is to be left clean and tidy, as close as possible to its original condition.
- 🌍 Where necessary engage the services of expert external personnel to advice on environmental matters.

The aim of the environmental policy is to provide realistic and achievable goals for all personnel involved in the company's activities



EQUAL EMPLOYMENT POLICY

Solution for Africa supports equal opportunity in employment for all people. It is good management practice to ensure the right people are selected for the right job.

All managers and supervisors are responsible for making sure their employees are not discriminated against and that opportunity for promotion is the same for all personnel. Included in this responsibility is that no person is to be subjected to any form of sexual harassment.

Solution for Africa supports this legislation and all appointments and promotions are made solely on the basis of an individual's skills, knowledge and qualifications.

Solution for Africa administers an Equal Employment Opportunity [EEO] program that includes, but is not limited to:

- 🌐 An analysis of the workforce to form a company profile.
- 🌐 Reviewing and developing personnel policies and practices to ensure they are efficient and do not discriminate.
- 🌐 Informing employees about equal opportunity issues.
- 🌐 Providing training and development for managers and supervisors involved in the recruitment and promotion of staff, and
- 🌐 Continual review of publications, advertisements and documentation to ensure they do not discriminate.

All employees who believe they have been subjected to discrimination or sexual harassment should first advise their immediate supervisor, who will investigate any complaint in strict confidence. If this is inappropriate, the matter may be raised with the general manager for investigation.



HEALTH, SAFETY & ENVIRONMENTAL POLICY

Solution for Africa is committed to continual improvement with strong environment conscience for sustainable development, safe work place & environment of quality of life of its employees and other personnel working at its site in the process of achieving, Solution for Africa Shall:

- 🌍 Establish & Maintained good standard & codes for the safety of people, the process & the assets at all level.
- 🌍 Comply with all applicable rules & Regulation on occupation health, safety & Environment protection.
- 🌍 Adopt & Promote industry best practices to avert accident & improve our Health, Safety & Environment Performance
- 🌍 Coring, Drilling, Exploration & Production maintain all facility, Processes & Procedure to secure sustained Health, Safety & Environment Protection.
- 🌍 Get trained equipped & be ready to respond promptly & effectively to Accidents & Emergency.



INDIGENOUS AND NATIVE TITLE POLICY

Solutions for Africa recognize and accept the rights of indigenous people and will at all-time complies with, and be considerate of Legislation, Regulations and accepted customs.

The company will, when working in areas that may contain artefacts or sacred sites, comply in all regards to the laws that govern to protect those items or sites.

Employees will not remove or interfere with artefacts or sites nor will they impede or hinder persons rightfully engaged in any authorized activities on any such site. Employees will not purchase and/or traffic in, artefacts or items that are protected by the law of any country that prohibits the dealing in, or the export of such items of heritage significance.

Solutions for Africa will report any activities where it is believed there is a contravention of the laws governing indigenous artefacts and sites. Items being legally removed from an area or country will be correctly certified and cleared by the proper authorities.

Solutions for Africa is proactive in the support of the employment of indigenous people and will provide proper training and assistance, in line with its Equal Opportunity Policy.



OCCUPATIONAL HEALTH AND SAFETY POLICY

The Management of Solution for Africa has a strong commitment to provide and maintain a safe and healthy workplace for our employees and anyone else who has an influence on the hazards in the workplace such as client's contractors and visitors.

Resources in line with the importance attached to OHS will be made available to demonstrate our commitment and duty of care where every effort as far as is reasonably practicable will be made to provide a working environment that minimizes incidents of risks or personal injury, ill health, or damage to property this includes:

- 🌱 Employee and workplace inductions.
- 🌱 Appropriate training for all employees.
- 🌱 Providing effective supervision
- 🌱 Providing safe plant and equipment and systems of work.
- 🌱 Regular consultation on health and safety issues.

The management of South West Pinnacle Exploration understands from experience that the greatest risks to OHS in the drilling industry are from hazards associated with field operations (vehicle operations, drilling operations, camping and travelling) improving and maintaining safety performance in these areas of activities is a high priority followed by workshop and office.

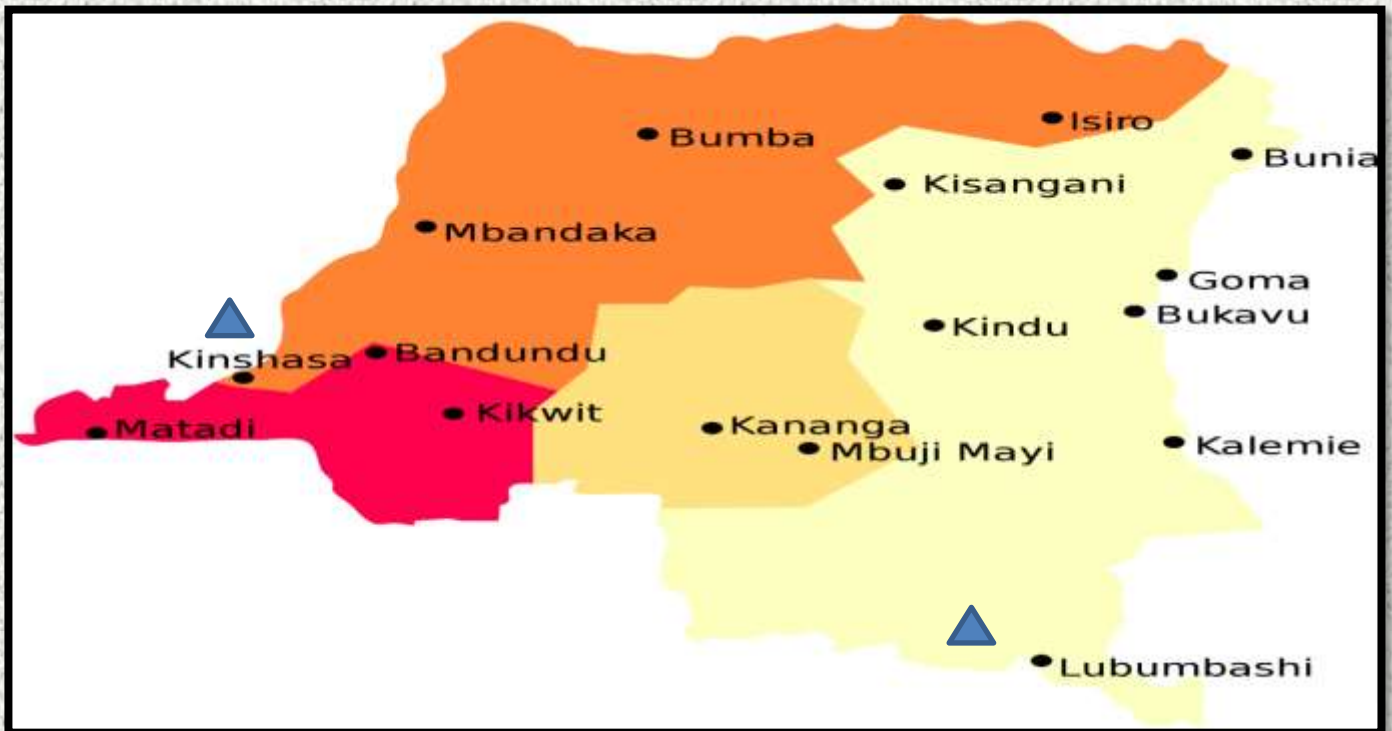
The development of a safe working culture is the responsibility of everyone and can be best achieved through the cooperative efforts of employees. A safe culture will be reinforced through:

- 🌱 Continual Risk Assessment (hazard identification, assessing the risks associated with the hazards, controlling the risks to health and safety of people that may arise in the workplace.
- 🌱 The provision of information concerning such risks and the promotion, instruction, training and supervision of employees to ensure safe work practices.
- 🌱 Giving employees and clients the opportunity to participate in health and safety decisions that affect them.

In the interests of maintaining safety, contractors their employees, visitors and clients are required to observe and comply with all health and safety standards and the rules produced. This includes any signage or warnings, or instruction given by any company employee whilst on our premises or at our worksite.



OUR PRESENCE



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