EMK POWER AND CONSTRUCTION TECHNIQUES (Z) LTD



COMPANY PROFI

Electrical
Mechanical
Instrumentation
Metal Fabrication
Telecommunication Products
Maintenance Services
Hydraulic hose Crimpling
General Supplies.
Generator Repaires
Compressor Repairs
Automotive Services
Civil Engineering Services



E-Mail: sales@emkpowergroup.com I Website: www.emkpowergroup.com

Distributors for

CompAir by Gardner Denver
KSB Pumps & Motors
FANOX Protection&Control
KENWOOD COMMUNICATIONS

Spares for

CATERPILLAR
JCB
KOMATSU
HITACHI



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Employing a dual strategy to securing business opportunities; that of securing work as a stand-alone entity and that of securing work through various partnerships including as part of a Joint Venture/Consortium, Subcontracting and Specialist Partnerships.

About us

We play a key role in the provision of engineering services to the mining and heavy industries both in Zambia, Malawi and Democratic Republic of Congo.

INTRODUCTION

Founded and incorporated in the Republic of Zambia with company registration number 110864, EMK Power & Construction Techniques (Z) Limited is an engineering company that deals with supply of electrical equipment and execution of electrical and construction projects. We are one of the most efficient and dynamic electrical company in Zambia. We play a key role in the provision of engineering services to the mining and heavy industries both in Zambia and Democratic Republic of Congo

COMPRESSOR & GENERATOR SERVICE AND REPAIR

With a team of experienced engineers, technologists and technicians in compressor technology, compressor service and repair is at your door step. We have dealership/distributorship for COMP-AIR COMPRESSORS & BLOWERS. COMP-AIR Compressors is a leading air compressor manufacturer with a broad line of innovative and technologically superior compressed air systems. COMP-AIR has earned worldwide distinction for designing sustainable solutions that help companies achieve the productivity goals and keep the cost of ownership low. COMP-AIR offers a complete range of compressed air solutions from oil-lubricated and oil-free rotary screw compressors, oil-lubricated and oil-free reciprocating compressors and centrifugal compressors, Industrial Dryers, Pumps, dryers, filters and downstream accessories. The company's portfolio of over 400 products has found wide application across industries. Whether it is the paint on your wall, the car you drive, the medicines you take or the leather bag you carry, Comp-air products have been used either in their production, maintenance or usage. On Generators our experienced Diesel and Electrical Technicians enable us to service and kind of brand of Generator such as Caterpillar, Cummings, FG WILSON, Kipor, GESAN, Atlas Copco etc.

PROJECTS-MECHANICAL ENGINEERING SERVICES.

We are specialized in the following products and services in mechanical engineering but not limited to:

- Structural engineering
- Compressor/Generator services & Repair
- Pipe works
- Machine installation
- Pressure Testing of Air Receivers and Boilers

Structural Engineering Works.

Under Structural Steel Engineering Works we have done several Projects for our esteemed clients which will present in Pictorial form below.





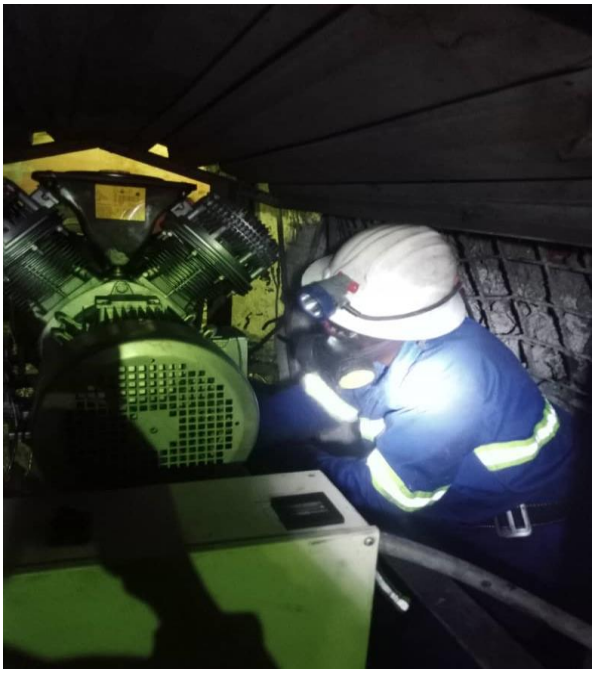
Fig. Chamboli Service Station, Kitwe Canopy Construction for Puma Energy Zambia PLC





Fig. Chamboli Service Station, Kitwe Canopy Construction for Puma Energy Zambia PLC

Compressor/Generator Service & Repair Works.



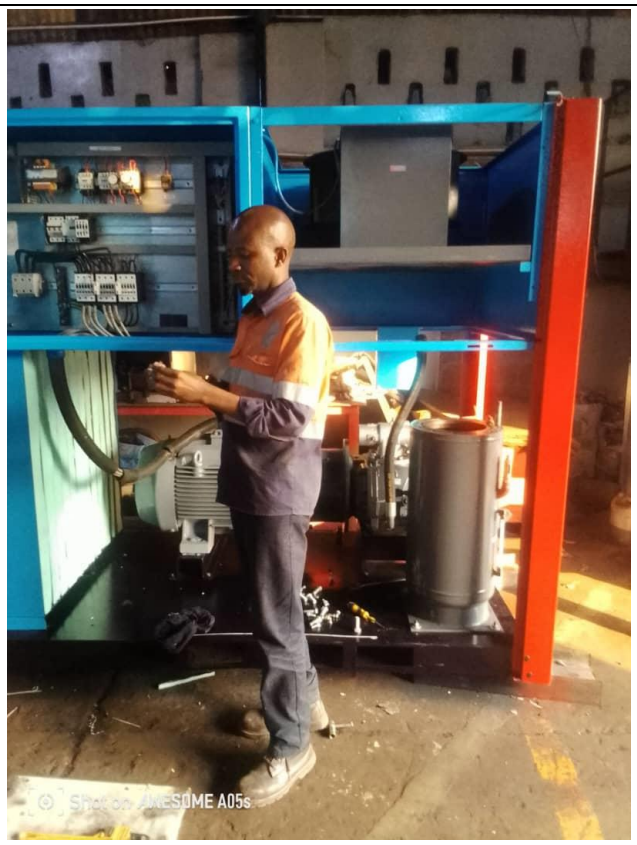


COMPRESSOR SERVICE AND REPAIR FOR MOPANI COPPER MINES PLC.





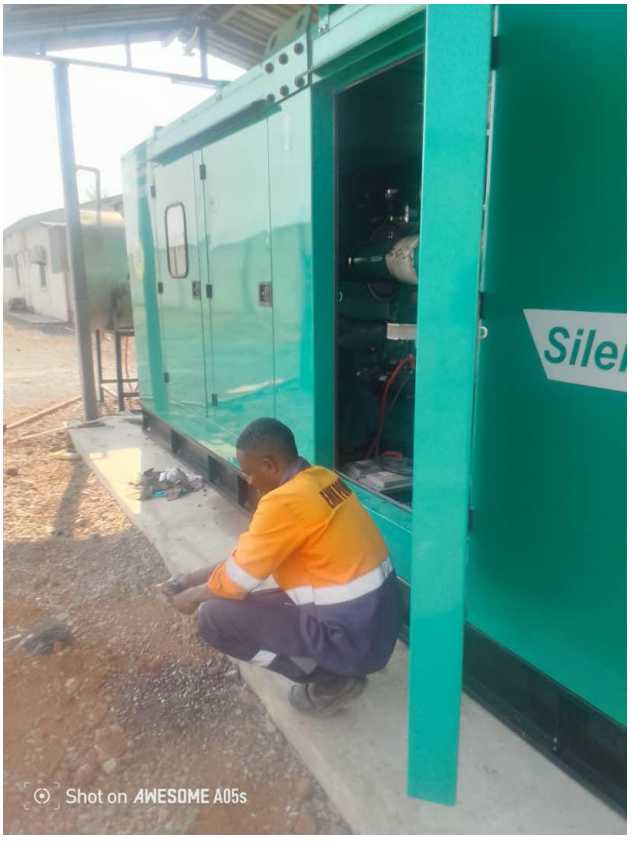
COMPRESSOR EX-STOCKS





COMP-AIR L250 COMPRESSOR SERVICE AND REPAIR FOR KANSANSHI MINE





PUMA ENERGY PLC GENERATOR INSTALLATION.

Mechanical Pump, Pipe & Tank Installation.







Chamboli Service Station Tank, Pipe & Dispenser Installation.

METAL FABRICATION AND PRECISION ENGINEERING WORKS

Under Metal Fabrication & Precision Engineering works, with our Biggest Clients being **FQML, KALUMBILA MINE, LUMWANA MINE AND PUMA ENERGY ZAMBIA PLC** we have been servicing all the requests made from our clients on time and with the highest of quality. Below is a pictorial presentation.





Fabrication of Skip Bin & Oversize Chute for FQML





Fabrication of walkways



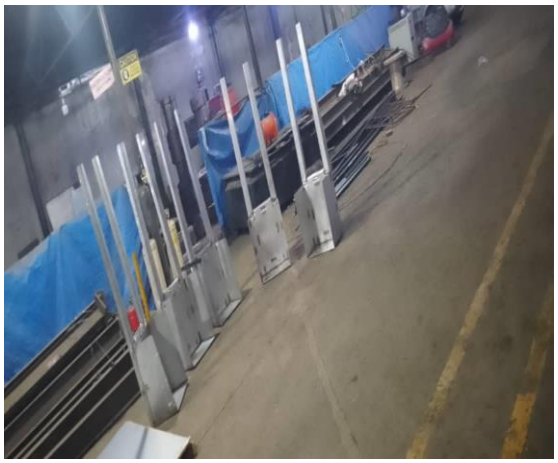


Fabrication of Rubber lined Nozzles for FQML





Nozzle rubber lining for FQML





Fabrication of Stainless Steel Camera Canopies for FQML

















Fabrication of Wing Nuts for FQML





Conveyor walkway fabrication done for FQML.

OTHER CAPABILITIES

EMK Power & Construction Techniques capability in engineering includes the following aspects.

PROJECTS-ELECTRICAL/INSTRUMENTATION /CONSTRUCTION

- Energy Management Systems, Power factor correction equipment and power quality measuring instruments.
- Generator installation and automating change over
- Street lighting projects and primary injection testing of protection relays
- Air Conditioning Systems, Servicing, Repair, Installation and Re-gassing
- Installation and commissioning of transformers and Switchgears for both Low Voltage and Medium Voltage – up to 33kV.
- Cable laying, termination and jointing
- Overhead lines construction (11kV & 33kV lines)
- Electrical wiring both Industrial and Commercial
- Street lighting projects
- Substation construction

ENGINEERING CONSULTATION

- Compressors Consultation
- Energy Management and Solar Power Grid Connection
- Lighting Audit and Improvements
- Power Quality Measurements and Power Factor Improvements
- Voltage Stability studies and Improvements
- Power Electronics for Drives Application
- Power Electronics for Power Systems Stability (Voltage and Transient Stability)
- Transient Stability Studies and Improvements
- Power System Transmission, Earthing and Distribution Design
- Network and grid Improvements
- Design and Implementation of Custom Power Electronic Devices and Systems
- Electrical Engineering General Consultation
- Solar Power Design and Implementation

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OTHER CAPABILITIES

PROJECTS-CIVIL

- General civil engineering works
- Commercial and industrial building services
- Infrastructure/Building maintenance, painting and repairs

AUTOMOTIVE ENGINEERING SERVICES

We undertake all automotive works such as

- Repair of all kinds of motor vehicles
- Engine rebuilds
- Gearbox rebuilds
- Panel building and Spray painting
- Cabin Tents manufacture for all kinds of vehicle ie pickups and tippers
- Key Cutting for all vehicles
- Supply of all kinds of automotive spares and service kits.
- Troubleshooting of all automotive problems

SUPPLIES (GENERAL)

- Electrical Power and Control cables
- Supply of Autoreclosers both indoor and outdoor,
- Compressors & Generators services (COMPAIR-ELGI, ATLAS COPCO, BOGE, INGERSOLL)
- Protection relays and associated products
- Instrumentation products and services, Transmitters, Valves, Flow meters etc
- Supply of flameproof cable couplers, adaptors and accessories
- Power line construction accessories
- Personal Protective Equipment
- Cable jointing accessories such as kits, trailing cable plugs and sockets







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TRAINING (ENGINEERING, SAFETY & ADMINSTRATIVE)

We offer various Engineering, Safety and Administrative courses as per client's requirements. We have provided training courses to several Mining companies and industries in Zambia and DRC.

PUMPS AND PARTS

LIQUID RING VACUUM PUMPS



GARDNER DENVER



CENTRIFUGAL PUMPS





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BLOWERS





SCREW VACUUM PUMPS



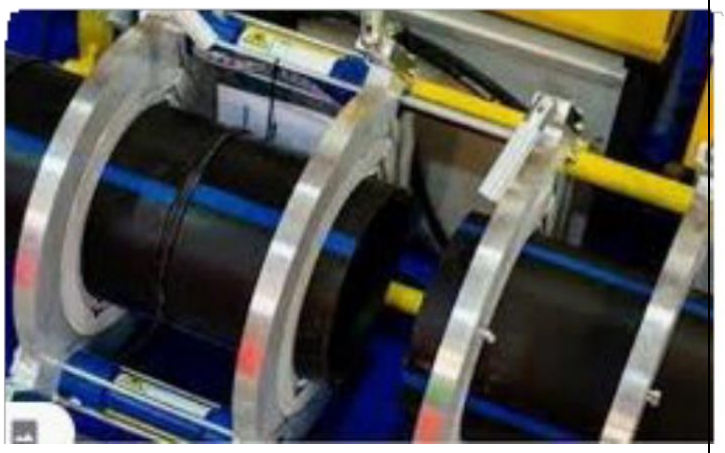
SUPPLY OF WARMAN AND WEIR PUMPS REPLACEMENT PARTS



Warman and Weir pumps are present in mining, metallurgy, coal washing, power plant, sewage water treatment, dredging, chemical and petroleum industries and we support them with all necessary AOJIN equivalent pump spares.

We also provide HDPE Pipe welding services

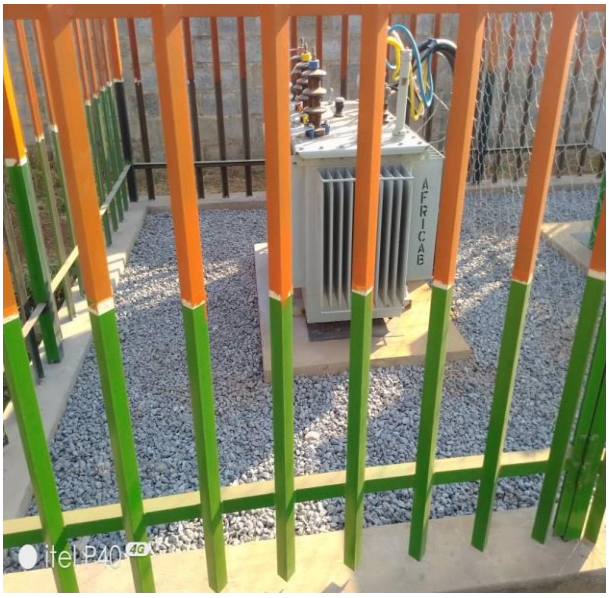


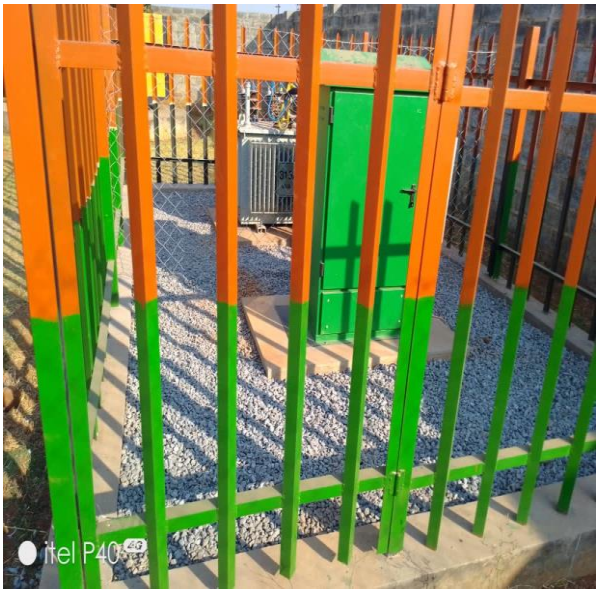


ELECTRICAL ENGINEERING WORKS.

Under Electrical Engineering works we are specialized in most of the Major works namely ***OVERHEAD LINE CONSTRUCTION, BUILDING WIRING, SUB-STATION CONSTRUCTION, TRANSFORMER INSTALLATION*** etc.

Below is a pictorial presentation.





Sub-Station Construction 50KVA GMT at Puma SPD, Ndola.





CONSTRUCTION OF OVERHEAD LINE POLE MOUNTED TRANSFORMER 100KVA /11KV-400KV H-STRUCTURE 3 Km OVER HEAD LINE.





GMT 50KVA -11/0.4 KV AT SPD PUMA ENERGY ZAMBIA NDOLA





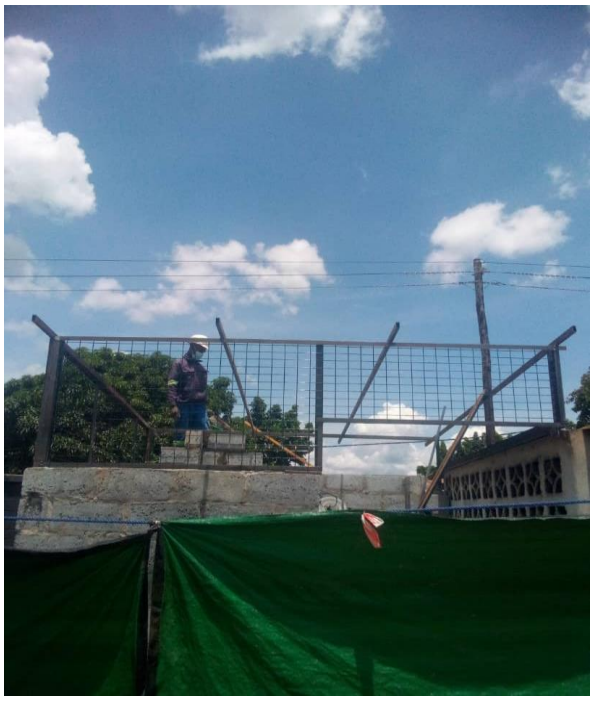
CONSTRUCTION OF OVERHEAD LINE POLE MOUNTED TRANSFORMER 100KVA /11KV-400KV H-STRUCTURE 3 Km OVER HEAD LINE.

CIVIL ENGINEERING WORKS.

Under civil engineering, we have done a Varity of projects for our different clientele whether Renovation works & New buildings construction. Below are some of the recent works we have done.









GENERATOR SHELTER RENOVATION EXTENSION WORKS AT PUMA WUSAKILE B SS.









SOAKAWAY AND SEPTIC TANK CONSTRUCTION PUMA WUSAKILE A SS.

ELECTRICAL & DIESEL COMPRESSORS & COMPRESSOR SPARE PARTS





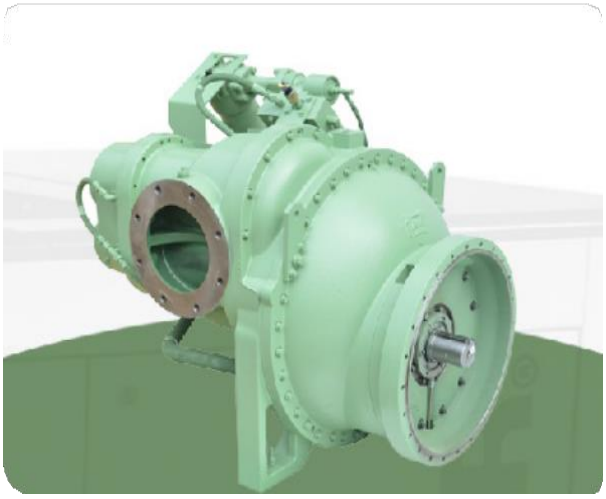
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COMPRESSOR AIREND OVERHAUL FOR DRILLS





We continue to offer competitive and cost effective services for the clients that seeks to save cost on airend overhauls instead of total replacement.

MINING & HEAVY EQUIPMENT REPAIR, REBUILDS AND MAINTENANCE.

1. Electro-Hydraulic rig maintenance and repair
2. Electro-Hydraulic rig rebuild/rehabilitation and commissioning to function
3. Retrofitting of rigs to obtain optimum performance
4. Underground substation construction
5. Underground trolley lines installation
6. Hydraulic pump and motor repair
7. Training on maintenance and repair of drill rigs
8. Hydraulic drill rig drifter repairs (Atlas Copco and Sandvik)
9. Mobile Loader rebuilds & rehabilitation of underground Locomotives

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FRONT LINE TEAM

No	NAME & SURNAME	QUALIFICATION	DESIGNATION	EXPERIENCE
1	Eng. Kalenga Mwila	BEng Electrical /Electronics	Managing Director	10 + years
2	Duncan Simpuleti	Electrical Engineering	Workshop Supervisor	10 + years
3	Eng. Stephen Gachia	BEng. Electrical-High Voltage	Construction specialist	9 + years
4	Richard Mumba	Electrical & Project Mgt	Operations Director	10 + years
5	Brian Kalenga	Certificate in Mechanical	Pump Specialist	5+ years
6	Jonathan Osiman	Engineering	Sales Specialist	9+ years
7	Edmond Mubanga	Automotive Engineering	Engineering Director	5 + years
8	Moses Mwansa	Accounting/Finance	Finance Director	15+ years
9	Darius Mando	Civil Engineering	Construction Specialist	10+years
10	Mazuba Malambo	Mechanical Engineering	Mechanical Specialist	10+ years
11	Boniface Musonda	Electrical Engineering	Workshop Supervisor	10+years
12	Moses Chisenga	Metal Fabrication	Fabricator	8+ Years
13	Elijah Musonda	Automotive Engineering	Automotive Specialist	5+years
14	Marcel Sinkala	Electro-Mech Engineering	Sales Engineer	1+Years
15.	Patrick Ngoma	Electrical engineering	Electrical specialist	5+Years
16.	Patricia Kabesha	Instrumentation	Sales Co-ordinator	5+Years
17.	Chanda Chileshe (F)	Mechanical Engineering	Sales Engineer	1+Years
18.	Mbamwabi Musonda	Mechanical Engineering	Sales Engineer	1+Years

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CONTACT US

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