



COMPANY PROFILE

K-SOLUTIONS LTD





K-SOLUTION LIMITED

COMPANY DETAILS

Company Reg No: 119080

Tax ID No (TPIN) 1002557898

CONTACT DETAILS

Email: info@K-solut.com

Tel: +260966411775

:+260966688002

:+260955411775

Address:

Suite No 74-75, 2nd Floor

Anchris House

Kitwe.



ABOUT THE COMPANY

K-SOLUTIONS LIMITED (K-Solutions LTD) is incorporated and registered under the Patents and Company Registration Office. The company is also registered with the Zambia Public Procurement Authority (ZPPA), Engineering institution of Zambia (EIZ/ERB) and National Construction Council (NCC). The company was set up to provide reliable, and cost-effective solutions to its customers.

K-Solutions LTD is a Zambian owned company with the main office in Kitwe Copperbelt. The company is headed by professionals with excellent business background and experience.

The main focus of the company is to provide Technical services to the mining and manufacturing industry in Central Africa.

- **Our Mission**

To offer sustainable, reliable cost-effective solutions

- **Our Vision:**

To be the best sustainable and reliable solution provider

- **Our values:**

1. Integrity: we uphold integrity in all we do. Further we embrace honesty, accountability and ownership.
2. Customer orientation: tailored solutions to meet customer's needs. We believe in adding value to our esteemed customers.
3. Teamwork: we believe in team work and the synergy it provides.

CUSTOMERS

Our customers are from the Manufacturing, Mining/Mineral processing industry.

Our customers are our business partners. We listen to them, respond quickly to the current needs and anticipate their future needs. We deliver quality Goods and Services that are safe and reliable. Superior services are building blocks of the company and will always be our central policy and philosophy.

We structure our business to the needs of our customers. We are a flexible, innovative, responsive company that embraces continuous improvement and research in key areas that potentially increase



our customer's productivity. We are committed to creative parches that lead to breakthrough performance; ours is always improving.

Our business environment is dynamic to address our customer's needs thereby adding value to their processes. Our Flexibility is born from the fact that we believe in long term relationships with our customers. We cannot exist without our customers.

Our business is conducted in accordance with the laws and stated corporate societal standards of conduct. Our goals and objectives are our mission.

Business Operations (What We Do)

K-Solutions LTD has two main business lines.

1. Engineering Services

- Upgrades and modernisation
- Repair and refurbishment (process plant Equipment/subassemblies)
 - Larox Filter Components
 - Rollers
 - Filter plates
 - Frames
 - Vats
 - Hydraulic Cylinders
 - Pinch Valves
 - Drives (Gear Boxes)

2. Technical and Consultancy services

The offering includes:

- Operation and maintenance
 - Filtration Plants (Larox)
- Filter Plant (Larox) audits and optimization
- Adhoc services: troubleshooting (mechanical, Electrical/Instrumentation/Automation/Process)
- Installation and commissioning
- Plant maintenance/Service
- Shutdown planning and execution



An annex of our Engineering services is refurbishment of rotatable spares and subassemblies. Under this annex, we are able to refurbish most parts of the Larox pressure filters, Reduction Drives (Gearboxes), Bearing Assemblies. The cost of refurbishment is usually in the range of 10% to 30% of new parts and will perform just as well as a new part. Additionally, the turnaround time (repair time/lead-time) for the refurbishment of parts is at most half that of a new component and at the least 1 week.

3. Spare parts Supply

We supply spare parts for Larox filters

- Grids
- Plate Seals
- Diaphragms
- Filter Cloths
- Pinch Valves and sleeves

STRATEGIC PARTNERS

- Beake Engineering Solutions RSA
- PFS
- Intrinsic Technologies RSA
- DELE Automation
- Flowrox

SAFETY AND HEALTH POLICY

K Solution LTD's staff complies with all the safety rules required by authorities ensuring that the work place and environment is kept safe and work is executed in a safe manner.

By implementing sound procedures, we strive to prevent injury or loss of life, loss of production, equipment failure and assure health and safety of all our employees and equipment.

Quality Policy

Our staff aims at giving total customer satisfaction through:

- Zero disruption to customers
- Elimination of customer complaints



- Emphasis on continuous improvement of quality
- Achieving and meeting client's desired quality goals
- Ensuring specified quality requirements are achieved for the company services
- Motivate employees to meet customer's needs in the most effective manner.

Environmental Policy

The policy attaches great importance to the conservation of our natural environment, the well-being of the community and that of our employees

Projects

| Year | Customer | Description | Remarks |
|---------------|------------------------|---|----------|
| 2016 | FQML: Kalumbila | Filter Plant Optimisation | Adhoc |
| 2017-2018 | KCM | Filter Plant Optimisation & Maintenance | Contract |
| 2017 | Lumwana Mining Company | Filter plant Optimisation | Adhoc |
| 2018- Date | Lumwana Mining Company | Filter plant maintenance/Shutdown Services/refurbishments | Contract |
| 2019 | Sulzer Pumps Zambia | Engineering Services | Contract |
| 2019 -2020 | KCM Nampundwe | Larox Filter rebuild | Contract |
| 2021- Ongoing | KCM Nampundwe | Filter plant operation and maintenance | Contract |
| 2021 | Global Industries | Oil filter commissioning | Adhoc |

Ongoing projects/Contracts

- Lumwana Mine Larox filter full time maintenance contract
- Refurbishment of KCM Larox filtration plant
- KCM Larox filter operating and maintenance

Appendix

1. Company Leadership

Managing Director: Robert Kalumbi MSc, MAPM, EIZ/ERB

Field: Mechanical Engineering, Industrial Automation, Business management, Project Management

Experience: Over 20 years operating and maintaining mineral processing plants, managing projects and contracts.

Addition courses: Electrical control Systems, Siemens Automation, Sulzer, and Warman Pumps, Safexpert (Risk assessment/CE marking/Machinery Directives)

Finance Director: Dr Kawanga (ACCA)

Technical Team: Trained and certified Ex OEM employees.

2. Gallery (Part Of what we have done in pictures)

Field Service Technical Team (Shutdown)





Lumwana Shut Down



K-Solutions LTD
Suite 75, 2nd Floor, Anchris house, Kitwe
Tel: +260955411775/+260966411775/+260979945670
TPIN: 1002557898

Lumwana Mine Larox Filter Hydraulics Setup and commissioning





Lumwana Larox Filter Training



Classroom Sessions

Site Sessions



Spare Part Supply

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Grids



Collectors



Hand-Held Unit



**Pinch valve counter
balance and
directional valves**



**Protective Door
Sensors**



New Rollers

Repair of Lumwana Cylinders



Before



After

Repairing Rollers



Before



Before





After



After



After

Vats and Plates' Repair



Before



After

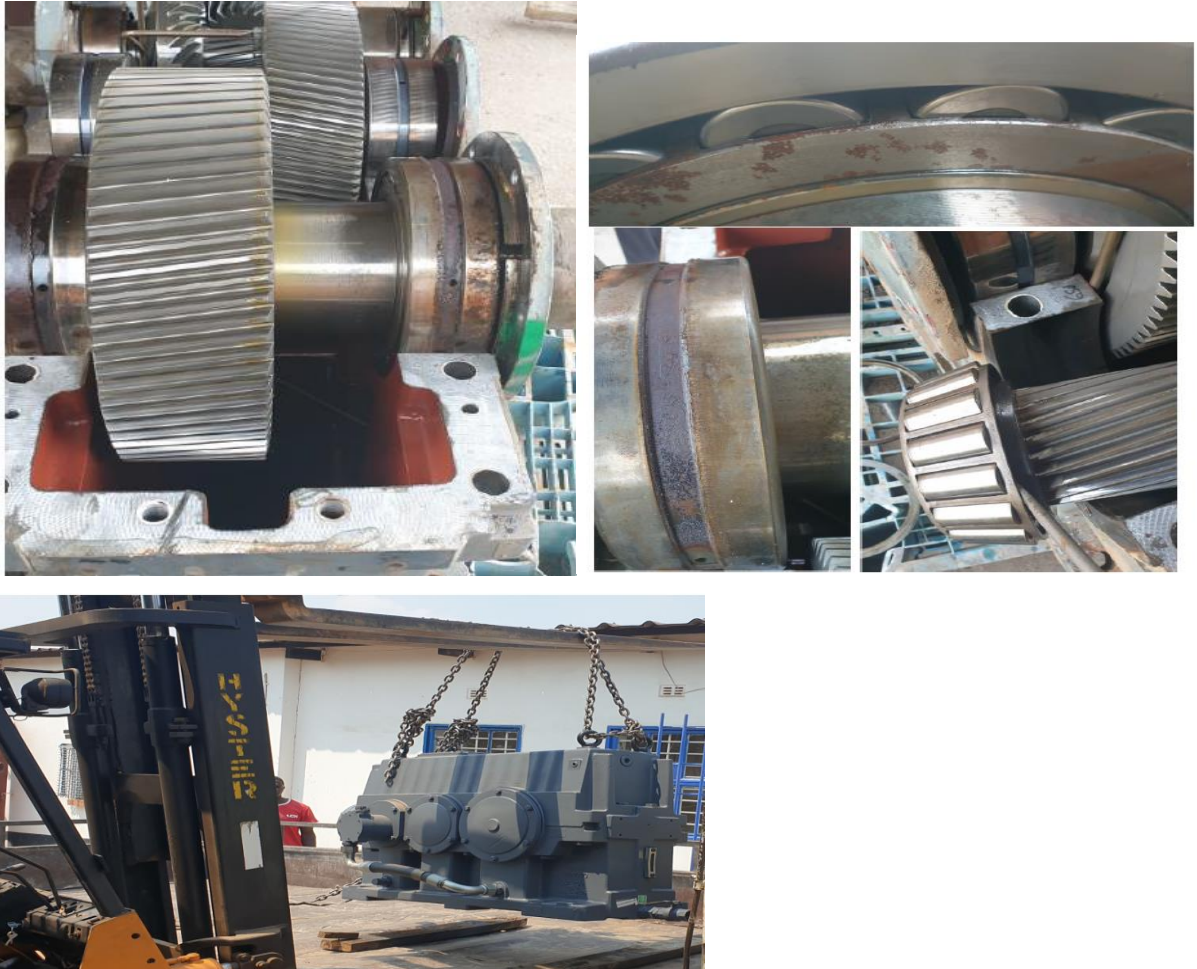


After

Pinch Valve Repair



Lumwana Gearbox Refurbishment





Magment drive gearbox



Verder Pump Gear



KCM Larox Filter Refurbishment

1. Complete Stripping of Larox Filter



2. Repaired Parts

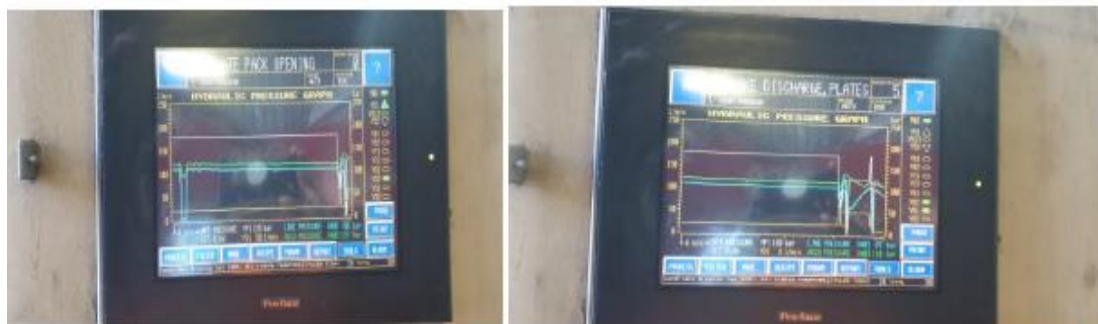


3. Assembly



4. Commissioning

4.1 Hydraulic Setup



4.2 Electrical Troubleshooting



4.3 Automation



4.4 Larox filter in operation

