



# rare

ZAMBIA





## **RARE CONSTRUCTION ZAMBIA IS A FULLY INTEGRATED PROVIDER OF PIPELINE INSTALLATIONS AND PIPELINING SOLUTIONS TO THE MINING AND INDUSTRIAL SECTORS.**

RARE Construction Zambia specialises in the supply, lining and installation of various pipe systems, including;

- Steel
- HDPE lined spool sections for slurry applications
- PVC/PVDF/PP
- HDPE pipe installations
- Double containment HDPE piping for cyanide applications in gold mining

HDPE pipe is manufactured by RARE Plastics in Gauteng, South Africa. Pipes are manufactured to SANS ISO 4427 standards. The PE100 raw material is sourced from reputable manufacturers who comply to SANS ISO 4427 Part 1.



## **PRODUCTS AND SERVICES:**

### **Supply:**

- Supply of pipes, fittings and accessories
- Fabrication of steel and plastic pipe fittings

### **Installation:**

- Turnkey project execution of mechanical and structural projects on mines across Sub-Saharan Africa
- Specialised pipe welding performed to international specifications (PVDF, PP, PVC, Double Containment)
- Various pipe lining and corrosion resistant products
- Site maintenance work on existing pipe infrastructure





## Manufacturing:

- Manufacture and distribution of HDPE pipe. Sizes available up to 1000mm diameter.
- Rare Construction Zambia represents our manufacturing facility Rare Plastics and have supplied various companies throughout Africa.



## PIPELINE REPAIR AND REHABILITATION

### LINING OF NEW AND EXISTING STEEL PIPELINES

The Rare Plastic lining system utilises an HDPE liner that is inserted into carbon steel pipelines. After sections of HDPE pipe are joined together to form an uninterrupted length, the HDPE pipe is pulled through a reduction die which temporarily reduces the diameter. After the liner is installed and the pulling force is removed, the liner returns to its original diameter and ensures a post installed tight fit, i.e. no annular gap between the outside diameter of the reverted liner and the maximum bore of the host pipe.

## Lining Advantages:

- Natural viscoelastic recovery
- Interactive and tight fit
- Long pull lengths
- Low cost and time compared to dig-and-replace solutions
- Saves energy: deformation without heat input
- Diameter range from 100mm to 1500mm
- Small site footprint as liner is reduced and inserted simultaneously
- Corrosion and abrasion resistance
- Improved operating efficiencies
- Increased asset life
- Environmental and Safety objectives - Double containment

# FOOTPRINT

The company is a member of IFPA (Installation and Fabrications Plastic Pipe Association), SAPPMA (Southern African Plastic Pipe Manufacturers Association) and holds an ISO 9001:2008 accreditation.

Rare Construction Zambia has been operating since 2007. With an experienced track record and expertise, RARE Construction Zambia is able to offer valuable expertise to clients considering new pipeline installations or evaluating the feasibility of refurbishing existing systems.



## RARE CONSTRUCTION ZAMBIA LTD

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