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# RAGNAROCK DRILLING (PVT) LTD

## COMPANY PROFILE



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## **Overview**

We were Established in February 2021 with our Head Office in Chegutu, as well as an office and yard in Harare.

At Ragnarock Drilling, we proudly stand at the forefront of the borehole industry, dedicated to delivering groundbreaking solutions that redefine excellence.

Our mission is clear: to provide reliable and easily accessible water to the private, agricultural, and commercial sectors. We are committed to, not only meeting, but exceeding our customers' expectations at every turn.

## **Services on offer**

1. Auger Drilling
2. Borehole Drilling
3. Capacity Testing
4. Deepening and Flushing
5. Mud Rotary
6. ODEX Drilling
7. Pump & Bush Pump Installations
8. Reverse Circulation Drilling

Below is a more in-depth look at the services we offer.

### **1. Auger Drilling**

With roots tracing back to 250 BC, auger drilling is a tried-and-true method which uses a helical screw to effortlessly penetrate soil and bring materials to the surface. As the auger rotates, it efficiently excavates while maintaining an open and stable borehole.

### **2. Borehole Drilling**

We offer nationwide drilling services, empowering farmers, businesses, and private homeowners with direct access to precious groundwater. Our exceptional managerial team, comprised of highly qualified and experienced professionals, ensures that every project is executed flawlessly. Our drillers undergo rigorous background checks and practical assessments before joining our team. Our state-of-the-art machinery and equipment are meticulously maintained in our workshop, guaranteeing reliability and peak performance. With unwavering managerial supervision throughout the drilling process, we provide expert advice tailored to your needs, ensuring a seamless and successful experience.

### **3. Capacity Testing**

Our capacity testing services are essential for determining a borehole's yield and recovery rate. This crucial data allows us to recommend the perfect pump size and optimally manage your water resources, particularly in areas where groundwater may be limited. We compare water extraction with natural groundwater inflow, safeguarding sustainability.

### **4. Deepening and Flushing**

Deepening your borehole could be a game-changer if you've noticed a drop in your water yield or if your water diviner suggests that there are untapped sources below. By investing in this process, you not only have the potential for a significantly greater water yield but also to enhance the storage capacity of your borehole. Furthermore, flushing out your existing borehole is an essential step to eliminate sediment and debris, ensuring optimal efficiency and performance. Don't miss the opportunity to secure a more reliable water supply—consider deepening your borehole today!

### **5. Mud Rotary**

The drilling process involves expertly mixing environmentally friendly, green label chemicals into the water, optimizing both performance and efficiency. This strategic approach not only cools and lubricates the drill bit, but also effectively removes cuttings from the borehole. A standout additive in this process is bentonite, which plays a crucial role in enhancing borehole integrity. By forming a robust, thin film on the walls of the borehole, bentonite seals off any potential water loss during drilling. Moreover, this protective layer reinforces the borehole walls, preventing sloughing or caving in, even under significant hydraulic pressure. Using bentonite is vital for ensuring a successful and safe drilling operation.

### **6. ODEX Drilling**

The ODEX (Overburden Drilling System) is a handy drilling technique that's mainly used for building water wells, geothermal wells, and other projects which involve drilling through materials like soil, gravel, or weathered rock. This method is specifically tailored to tackle the tricky challenges that come with unstable or loose overburden materials. What makes the ODEX system special, is its unique drill bit design! It features an eccentric outer casing with special wings or cutters that work together. This unique design surrounds the central drill string, allowing you to drill and case the borehole at the same time. It's an efficient way to get the job done!

### **7. Pump and Bush Pump Installation**

Installing a borehole pump involves several key steps. Proper installation ensures efficient and reliable water extraction. Bush pumps are often installed in rural areas and are known for their reliability and suitability for local conditions.

## **8. Reverse Circulation Drilling**

As a leading method in mineral exploration, our reverse circulation (RC) drilling employs cutting-edge technology featuring inner and outer tubing to drive drill cuttings back to the surface. This method, while generally slower than alternatives like RAB or air core drilling, offers a more cost-effective solution in comparison to diamond coring. By using pneumatic pressure to create an air lift for both water and cuttings, we expertly collect samples for mineral composition analysis, ensuring precision and accuracy.

## **Our Mission**

We are dedicated to delivering consistent and dependable access to groundwater for farmers, businesses, schools, and private residences. Our relentless pursuit of quality and unwavering commitment to customer satisfaction inspires every aspect of our work.

## **Our Vision**

To be the standard-bearer for innovation and excellence within the drilling industry. We aspire to be recognized nationally for our transformative solutions and our steadfast commitment to sustainable practices.

## **Core Values**

### **Integrity**

We exemplify honesty and ethical practices, building lasting trust with our partners, clients, and team members.

### **Innovation**

We embrace creativity and actively seek groundbreaking ideas which will shape our growth and the future of the industry.

### **Customer Focus**

Our clients are the driving force behind our operations, and their success is our highest priority.

### **Teamwork**

We believe in harnessing diverse talents and perspectives, championing collaboration to achieve the best possible outcomes.