



*Innovative Consultancy Services across the Extractive Industry*



# COMPANY PROFILE

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# ABOUT

## DHEJA ENGINEERING

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DheJa Engineering Solutions is a private company based in Tanzania, founded in 2021 (Certificate of Incorporation No. 151560687) under the Companies Act of 2002. Our focus is on providing innovative and reliable solutions for the extractive industry. We are fully owned by Tanzanians and operate in compliance with the laws of the United Republic of Tanzania. Additionally, we are registered with the Tanzania Revenue Authority (TRA) and hold a Taxpayer Identification Number (TIN) of 151-560-687. Since our registration, DheJa has become the leading provider of geotechnical and engineering solutions for the mining and petroleum industries in Tanzania.

DheJa Engineering Solutions is specialized consulting firm committed to providing innovative, reliable, and high-quality geotechnical and engineering solutions to the extractive industry in Tanzania and beyond. With a team of highly skilled professionals and using state-of-the-art technology, we deliver customized solutions that drive efficiency and sustainability of your projects. Explore our services and discover how we can help you achieve your goals.



# COMPANY

## VISION, MISSION & CORE VALUES

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### Vision

We aspire to continually advance our services and expand our expertise to meet the evolving needs of the extractive industry.



### Mission

To provide comprehensive and reliable mining and geotechnical solutions that address the specific needs of our clients through creative and innovative approaches.



### Core Values

- **Integrity:** We conduct our business with the highest ethical standards and transparency.
- **Innovation:** We embrace cutting-edge technology and continuously seek to improve our services.
- **Commitment:** We are dedicated to supporting our clients and contributing to the success of the mining industry globally.
- **Safety:** Our engineering solutions prioritize safety at every stage, from planning and design to execution, ensuring that both people and the environment are safeguarded.



# WHY CHOOSE US?



## Local Expertise

As a Tanzanian-owned firm, we understand the unique challenges of the local extractive industry.



## Innovative Solutions

We use state-of-the-art technology to deliver efficient and sustainable engineering solutions.



## Client-Centric Approach

Our tailored services ensure your project's safety, compliance, and success.



# OUR SERVICES

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## 1 Mine Geotechnical Services

- A. Site Investigations.
- B. Geotechnical Modelling (Numerical Modeling, Risk Assessment, Design Optimization).
- C. Slope Stability Analysis.
- D. Ground Control and Support Design.
- E. Mine Design and Planning.
- F. Mine Feasibility Studies.

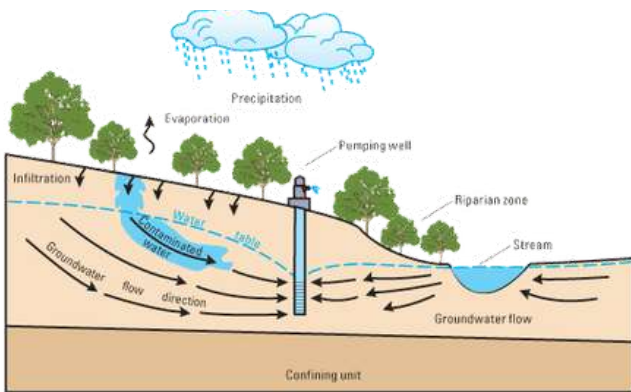
## 2 Data Acquisition and Interpretation Services

- A. Core Logging and Analysis.
- B. Geophysical Logging.
- C. Borehole Data Acquisition by ATV and OTV Services.
- D. Downhole Testing (e.g. Standard Penetration Test (SPT), Cone Penetration Test (CPT), etc.).
- E. Piezometer Installation.





# OUR SERVICES



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## Hydrology and Hydrogeological Assessment

- A. Groundwater Analysis (Site Characterization, Hydrogeological Modelling).
- B. Water Management (Water Balance Studies, Treatment Solutions).
- C. Risk Assessment.

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## Mine Waste (Tailings) Management

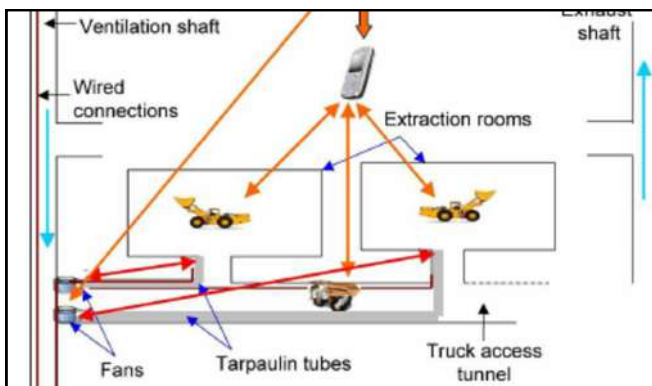
- A. Geotechnical assessment and select suitable sites for TSFs.
- B. Tailings Storage Facility (TSF) Design.
- C. Evaluate the geotechnical stability of the TSF.
- D. Implement monitoring systems to track the stability and performance of TSFs and perform regular maintenance.





# OUR SERVICES

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## 5 Mine Ventilation Services

- A. Ventilation System Design.
- B. Air Quality Monitoring.
- C. Emergency Ventilation Planning.

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## Mine Closure Design and Management

- A. Closure Planning.
- B. Environmental Rehabilitation.
- C. Post-Closure Monitoring.





# OUR SERVICES

## 7 Equipment Supply

We supply the following equipment;



Rail



Rail accessories



Mine lamp cap



Mine lamp



Mine lamp charging rack



Temperature sensor



Electrical mine car stopper



Pneumatic mine car stopper



Manual mine car stopper



Multi gas detector



Blasting alarm



# OUR SERVICES

## 7 Equipment Supply



Scraper winch



Shaft winch



Double speed winch



Transport winch



Dumper winch



Cable pulling winch



Dumper winch



Self rescue



Steel wire rope



Roller cage



Head sheave



# OUR SERVICES

## 7 Equipment Supply



Rescue Tripod



Jack pot pump



Jack pot



Rock drill



Pneumatic anchor cable tensioning machine



Hydraulic anchor cable tensioning machine



Hydraulic rock drill



Bits



Rock breaker



# OUR SERVICES

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## 7 Equipment Supply



Bucket tipping  
mine car



Bottom discharge  
mine car



Side discharge  
mine car



Flat car



Material car



Mucking machine



Electrical rock loader



Scraper conveyor



# OUR SERVICES

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## 7 Equipment Supply



Pumping station



Miner steel bracket



Single section beam



Standard semi  
circular arch  
bracket



Single hydraulic  
probs



Wire mesh



Steel straps



# OUR SERVICES

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## 8 Training

We provide a variety of training programs focused on Geotechnical Engineering and Mining in general.



## GET IN TOUCH



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