SURFACE MINING, DRILLING SOLUTIONS, BULK EARTHWORKS AND INFRASTRUCTURE DEVELOPMENT

Reputation is everything

Digmin Group of Companies
The Digmin Group was launched in January 2012 by Gerald Chapman, founder and CEO of Protech Khuthele Holdings Limited, to incorporate a number of associated mining and construction companies currently operating in Africa servicing the mining, private and public sectors.

In 2011 Gerald came out of retirement to pursue an opportunity with Shanta Gold Mining Company to build the mine infrastructure and manage the opencast mining contract at the New Luika Gold Project in Tanzania.

This led to the acquisition of two local Tanzanian contractors, Bamboo Rock Limited and Bamboo Rock Drilling Limited. Then followed an alliance with Caspian Limited, which in turn led to the formation of BC Mining Limited. Both BC Mining and Bamboo Rock Drilling continue to grow from strength to strength with strong contract performances for Shanta Gold, Acacia Mining, and Magnis Resources.

Back home in South Africa Gerald’s reputation for “fast track” bulk earthworks and civils contracting soon opened doors for the launch of Bamboo Rock Construction, which focused on bulk earthworks and infrastructure development and achieved a first year turnover of R200 million. Bamboo Rock Construction is led by a formidable team of experienced contract managers who have managed in excess of R20 billion worth of contracts with Gerald over the last 26 years.

In addition to operations in South Africa and East Africa, the Digmin Group is also invested in mining exploration and development partnering with Alecto Minerals Plc, Penmin (Pty) Ltd, Luiri Gold Mines Ltd (Zambia), Mowana Copper Mine (Botswana) and IMS in Saudi Arabia.

With an annual turnover in excess of a billion rand, exceptionally low gearing, and an impressive five year profit history, the group is well equipped and financially able to gear up rapidly to service projects coming on stream in Africa and the Middle East.

The Digmin Group’s value proposition is underpinned by innovation, flexibility, cost efficient solutions, on-target delivery and years of invaluable experience in the contracting service industry, a reputation that we preserve at all levels.

“We remain committed to Planet, People and Profit”
GROUP SUSTAINABILITY MODEL

Contract consulting management
- Mineral drilling services
- Infrastructure development
- Contract mining
- Rehabilitation

African regional
- Surface and underground exploration & production drilling
- Bulk earthworks and civils
- Surface mining
- Rehabilitation

Global customer relationships

Group operations
- Regional management

Health
- Safety
- Environment

Value engineering
- Management systems
- Speed of delivery

Risk management
- Project management
- Project controls

Effective communication

Value improvement
Effective delivery
Value proposition

Safety before all
Cost efficiency
Operational excellence

Bulk earthworks
Surface mining
Rehabilitation
GROUP SERVICES AND ORGANISATION

Bulk earthworks, roads and civils
- Site clearance
- Demolitions
- Terraces and platforms
- Basement excavations
- Canal/river diversions
- Bush clearing
- Township infrastructure
- Road construction and rehabilitation
- Bulk infrastructure services
- Dam construction
- Airports, airfields
- Rail construction
- Harbours and relocations

Surface and underground drilling services
- Exploration drilling
- Grade control drilling
- Production drilling

Plant and logistics

Laboratories and surveying

Specialised services

Digmin Group value engineering solutions

Specialised services
- Mining
- Drilling
- Construction
- Crushing & Screening
- Impact Compaction

Mine infrastructure development
- Site clearance
- Access roads
- New haul roads and haul road rehabilitation and maintenance
- Tailings dams, pollution control dams, storage dams, engineered linings
- Pipelines
- Reinforced earth walls
- Design planning and advanced solutions for platforms and terraces
- Dragline path preparation
- Run of Mine (RoM) tip
- Rail construction and load outs
- Discard dumps and transfer lines

Contract mining
- Bulk sampling
- Bush clearing and topsoil stripping
- Overburden removal
- Drill, blast, load, and haul
- Hard rock open pit mining
- Other opencast and surface mining operations
- Box cuts for underground access
- Crushing and screening
- RoM stockpile management
- Waste dump management
- Coal discard compaction and fill sites
- Mine rehabilitation
BULK EARTHWORKS – REGIONAL FOCUS, SOUTH AFRICA

- Basement Excavations
- Bulk Earthworks
- Roads
- Township Infrastructure

Werksmans HO, Sandton
Investec
Bulk Excavations 110 000m³
BULK EARTHWORKS, INFRASTRUCTURE DEVELOPMENT AND CIVILS

Capability overview
Digmin’s services in South Africa include specialist contracting in bulk earthworks, township services, roads and mine infrastructure development.

“highly experienced contract management”

Our rapid growth is led by a formidable team of experienced professionals who have worked for many years with Gerald Chapman, Chairman of the Digmin Group of Companies.

Management capability
Over the past 28 years our management team has collectively managed over R20 billion worth of bulk earthworks and infrastructure development projects in Africa. Our reputation for “fast track”, lean, on-time delivery is the cornerstone of our client value proposition.

References
Over the years our management team have successfully delivered on large, highly technical infrastructure contracts in the mining, private and public sectors, servicing industry professionals and clients that include:
BHP Billiton, Total Coal, Xstrata, DRA, RSV, Shanta Gold, Randgold, NWS, SIP, MLA, CIP, Urban Dynamics, Bigen Africa, Metrum, Investec, Gautrans, Sanral, HBS Africa, Soar Developments, VIP Consulting, Walke Mare, Quanticost, Questcost, MDV Developments, First National Bank, Redefine, Sutherland, Pure, L&S, GR02, Kantey Templer, IBP Central, Abland and Intaprop.

Collectively managed R20 billion worth of work in South Africa and other African countries
Brine Retention Pond  
New Denmark  
Anglo Coal, South Africa

Mkuju River Access Road  
Mkuju Uranium Project  
Mantra Mining, Tanzania

Reinforced Earth Wall  
with over 1 000 concrete panels to required tolerances  
Dorstfontein Coal  
Total Coal, South Africa

Mine Infrastructure & TSF  
Kibali Gold Project  
Randgold, DRC

Provincial Road  
Eikenhoff R82  
Gautrans South Africa

Basement Excavations  
Werksmans HO Sandton  
Investec, South Africa

Mine Infrastructure  
Goedgevonden Coal  
Xstrata, South Africa

Mine Infrastructure Development  
New Luika Gold  
Shanta Gold, Tanzania
## CONTRACT MINING SERVICES

The next stage in delivering optimum value is to move beyond mining and begin planning for value improvement.

### Contract mining

- **Improving mining efficiency**
- **Managing risk**

### AFRICA REGIONAL EXPERIENCE

Upstream and downstream linkages into mining operations is vital and requires experienced contractors in Africa. The Group’s management offers a collective 250 years of experience in Africa, with a footprint spanning south, north, east and west Africa.

Invaluable experience borne from years of operating in Africa.

### EFFECTIVE CONTRACTS DELIVERY

The Group’s philosophy is "If you can’t deliver effectively, don’t do it.”

Effective contracts with fair value to both parties.

Well-developed culture of efficient project delivery.

### PEOPLE PLANT AND SYSTEMS

The Group’s core competencies include:
- experienced management and well-trained incentivised labour;
- leading brands of first life plant;
- leading edge management systems; and
- safe environment.

Ensures major benefits to client project cost and production through effective delivery.

### COST-EFFICIENT SOLUTIONS VALUE IMPROVEMENT

The Group realises the cost pressures facing the mining industry. We are therefore committed to offering our multi-disciplinary services and expertise in value engineering for cost-effective solutions in the planning and execution stages.

This undertaking continues throughout the project life cycle towards value improvement.

Our many years of experience in civil construction, surface mining, plant management and contract management positions the Group with a strategic advantage to deliver “economic value”.

### OPERATIONS DELIVERY MANAGEMENT

The key to our success is talented people.
Our people culture underpins loyalty, excellent health and safety standards and top performance scorecards, achieving successful contracts and long-standing client relationships.

The Digmin Group remains focused and committed to “planet, people, profit”.

### SAFETY HEALTH AND ENVIRONMENT

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#### Production

- Time
- Life cycle
**CONTRACT MINING**

**NEW LUIKA OVERVIEW**

BC Mining, focused in Tanzania, was awarded the Shanta Gold New Luika opencast mining contract in April 2011. The initial phase comprised mine construction and infrastructure development. This included the construction of mine roads, extensions to municipal roads, internal haul roads, the ROM tip platform, tailings dam and air strip. The second phase open pit mining works required monthly drilling of 35 000 lm, and load and haul of one million tons of waste and ore. Since inception, BC Mining has successfully delivered on Shanta’s required project production requirements with a commendable safety and health record. The 59-month contract still has 23 months to completion. BC Mining continues to perform various civils projects on an ongoing basis for Shanta, while exploration and further drilling programmes continue to unlock future potential resources to increase the overall resource base.

**CONTRACT MINING FOR SHANTA GOLD**

- Mine infrastructure
- 9 million m³ pit
- Multiple split pit hard rock mining operation
- 400 000 BCMs/month open pit operation
- Drill and blast

New Luika gold project, Tanzania, over five years:
- Up to 400 000 BCMs/MONTH
- USD140 000 000
EXPLORATION AND PRODUCTION DRILLING SERVICES

Bamboo Rock Drilling is a member of the Digmin Group offering comprehensive services to the resource exploration and mining sectors in Africa and the Middle East.

Founded in 2010 in Tanzania, Bamboo Rock Drilling’s success can be attributed to management’s extensive experience in Africa, together with our highly professional technical team who have worked for tier one mining companies around the world.

We make it our business to perform above expectations, which is the key to our successful growth.

Our most recent clients include:
- Shanta Gold
- Acacia Mining (formerly African Barrick Gold)
- Magnis Resources (formerly Uranex)
- Mawarid
- Uranium One
- Cradle Resources

Capability and value offering
Our capability includes surface and underground mining and exploration drilling services. We are equipped to offer the full spectrum of drilling disciplines.
- Diamond core
- Blast hole
- Grade Control
- Reverse Circulation
- Geotechnical
- Underground Diamond

Value offering
- Tanzania has grown to be a major force for us, our in-country knowledge, experience and local operations are well developed, which in turn offers attractive benefits to clients.
- Bamboo Rock Drilling is associated to the Digmin Group, a multi-disciplinary mining services group, who are well versed in Africa and sustain a very good reputation in contracting.
- Our 1st life premium brand fleet ensures availability, high utilisation and efficient production.
- We are able to financially gear up rapidly with new and specialised rigs to meet our client’s requirements.
- Our key focus lies in building client satisfaction through reliability, flexibility, achieving production targets and a safe environment.

Plant policy
Bamboo Rock Drilling’s fleet consists of premium brand, well maintained first life equipment.

Tanzania operations
Bamboo Rock Drilling’s in-country capabilities are summarised as follows:
- Experienced operators with 12 years of local experience
- Registered and established company in Tanzania
- Established infrastructure in Tanzania
- First-class workshop facilities in Dar es Salaam
- Technical service team based in-country
- Local logistics team to support operations and spares

Workshop facilities
We have first-class workshop facilities located in Dar es Salaam equipped with boilermaking, fitting and turning as well as hydraulic hose make-up and repairs. The workshops carry extensive in-country consumable stores for the support of the drilling operations. Additionally, we will provide a suitably equipped mobile workshop on site.
Together with services such as surface mining and pit-to-plant solutions, we also offer a wide range of crushing and screening services using modern and well-maintained equipment. The latest technologies enable us to tailor solutions to our clients’ project requirements, working within budget and ensuring on-time delivery.
**SUSTAINABILITY**

**HEALTH AND SAFETY**

**GROUP HEALTH, SAFETY AND ENVIRONMENT**

Digmin Group implemented a formalised, standardised health, safety and environmental system in 2010. The objective was to implement an integrated system which could be used within the entire Group. This system was based on local as well as international standards. During the last six years we have continuously revised the SHEC System for improvements to include different aspects and standards such as ISO 9000, ISO 14000 and OSHAS 18001. Before commencement of any new Project, assessments are done to identify and assess all relevant HSEC legislation, regulations, approvals, licenses, permits and other requirements for the specific region.

It is the vision of Digmin to deliver customer value faster and better than our competitors while managing and maintaining our SHEQ System in order to ensure zero harm to any person or the environment throughout all our operating units. We have an honorable obligation and responsibility to all our employees, clients, subcontractors, visitors and communities.

**SAFETY PERFORMANCE**

The group utilise a set of leading and lagging indicators to measure and improve overall safety performances throughout all operational units. Continuous reviews on indicators assists in up to date comparisons with our performance and clients / competitors in the market. Indicators may vary from project to project and business unit to business unit to suit different requirements. However, by continually revising these requirements, more leading indicators will be implemented across the group. Examples will include:

- Recorded Field visits and time spent on site by senior management
- System Audits and Site inspections
- Recorded Observations
- Inspections Planned
- Reporting and recording near misses
- Incident reporting, analysis and close outs

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**Number of LTI per Business Unit**

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**Group LTIFR per annum (%)**

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ENVIRONMENT

It is becoming more evident that mining and construction activities have a significant impact on our environment and our communities. Digmin therefor continues to improve and develop a culture of Environmental and Community Awareness to minimize impacts such as emissions, effluents / hazardous chemicals and waste.

The group’s environmental system forms part of the integrated HSE system and is based on ISO 14001:2004. Apart from legislation and internal standards, the group adopts clients’ environmental requirements on site, including stringent standards in most sectors, especially in mining.

The group’s environmental system involves:
• Pre assessments on environmental hazards
• Identifying hazards during construction and or mining processes
• Implementing controls
• Annual internal awareness training programs

Our strategy to reduce the impact on the environment includes:
• Preferably Environmentally friendly materials are used to clean our plant and equipment
• Hazardous chemicals are used within strict regulations
• Waste is disposed of only with approved certified service providers.

Reporting of environmental incidents are included in the group’s standard incident procedures. We are proud to announce that during 2016 no significant environmental incidents were reported.

Digmin have a Green Committee who are responsible for identifying and reporting climate change risks, opportunities and green initiatives to management.

For new projects and sites, risks and opportunities inherent to each potential project are identified at the tendering phase of a project. Projects pursuing LEED certification earn points across several categories, including energy use and air quality, these milestones become Digmin’s ultimate responsibility to ensure our contribution to the highest possible achievements.

Each site has a delegated Environmental Site Officer responsible for the management & reporting of the Environmental Management Plan (EMP) on-site.
SAFETY INDICATORS
The group utilise a set of leading and lagging indicators to measure and improve overall safety performances throughout all operational units. Continuous reviews on indicators assists in up to date comparison with our performance and clients / competitors in the market. Indicators may vary from project to project and business unit to business unit to suit different requirements. However, by continually revising these requirements, more leading indicators will be implemented across the group. Examples will include:

- Recorded Field visits and time spent on site by senior management
- System Audits and Site inspections
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HAZARD IDENTIFICATION AND ASSESSMENTS
A significant behavioral change in employees who are accepting safety as a culture and a way of life is visible on all our Projects. However, we have identified that it is still a reality that employees often fail to identify hazards pertaining their specific activity. Risk assessors are appointed on site to assist in performing risk assessments and developing suitable safe operating procedures. A comprehensive system of identifying, recording and eliminating potentially dangerous acts or situations is implemented on all projects. Apart from the physical assistance in the Risk Assessment process, the assessors assist in internal training that is provided to develop the skills to identify hazards.

POLICIES AND PROCEDURES
All Safety Procedures and Policies were currently revised in annually. Although Business units work independently, Digmin Group Internal HSE System is mandatory for all sites, used to enforce zero harm to our employees, contractors, environment and communities affected by our operations. HSE Management Systems may consist of both mandatory and advisory documents. These documents apply only to the sites, operations and activities controlled by the relevant business as there are variations within the group in activities. Operational HSE Procedures apply within the sites and operations where they are issued, and are intended to support the Digmin Group, Sustainable Development Policy and these Standards. Before any new Project commence an assessment is carried out on all applicable HSEC laws, regulations, approvals, licenses, permits and other requirements.

Our internal HSE standards are compiled and revised to try and capture as much as possible of our client specifications. It is not always practical to enforce all client standards in our own management system but we do this as far as reasonably practicable. By this we strive to create a safety culture within the company to try to minimise standards differences between projects.

HEALTH
Pre-employment medicals are done on all new recruits before employment. Follow up medicals are conducted annually and exit medical. A typical medical consists of a physical examination, industrial audiometry, vision screening test and a lung function test.

Vaccinations against Tetanus, Hepatitis A, Hepatitis B and Influenza are offered. We also provide Malaria prophylaxis to all employees working across border in Malaria areas and employees are provided with Yellow fever immunizations by a local Travel clinic.
CLIENT VALUE PROPOSITION

Customer value

Safety performance
Risk management
Project management
Partnering with clients in innovation
Sustainability

Group sustainability

Key benefits

Safe environment
Effective delivery
Operational excellence
Cost efficiency
Satisfied clients

Reputation is everything

Group sustainability

Customer value

Sustainability

Key benefits

Safe environment
Effective delivery
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BULK EARTHWORKS AND
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- Reputation is everything

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Alecto Minerals

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