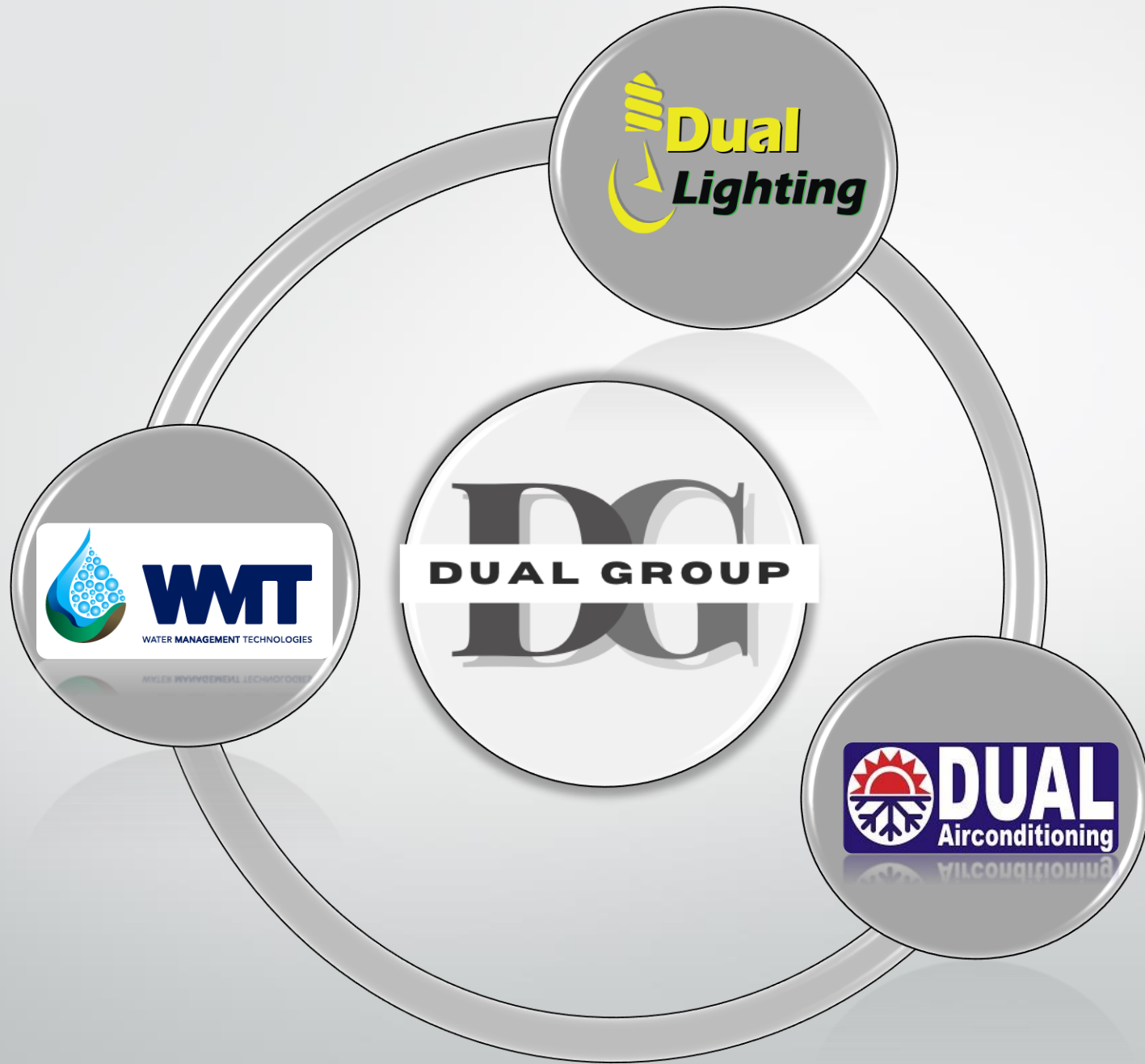




DUAL GROUP CC

Your trusted partner in creating a **safe & healthy** working & living environment



About Us

Mission:

Dual Group's mission is to provide effective and quality services, products and solutions to meet its client's needs in partnership with the clients, to ensure a safe and healthy working & living environment

Social Development & Localisation (B-BBEE Lvl 2)



Lighting, Electrical & Solar



Airconditioning & Refrigeration Services & Systems



Thermal Energy



Nanotechnology - Water purification technology & Atmospheric Water generation



Services (PLC, VSD, act)



Comprehensive Borehole drilling



Construction and supplies



Mission:

Dual strives to provide innovative solutions that meet, or exceed, the reasonable expectations of its customers.

Dual Lighting earned the reputation for being the go to company when it comes to electrical products over the last 22 years. Our comprehensive electrical products base of over 36 000 products.

About Us



Electrical Supplies



Solar Supplies



General Services



Electrical & Solar Supplies



- Battery Chargers
- Inverters & Generators
- Electrical Cables
- Electrical Fittings (Lighting & power receptacles)
- Spare Parts & Accessories
- Earth Leakages
- DB Boards & Panels (Can be customized to user specification)
- Lighting (Floodlights (HPS, MH, LED etc.)
- Transformers & Bulbs
- Contactors & Overloads

- PLCs
- VSDs
- Softstarters
- Belt Trip Switches
- Ladders
- Tools
- Motors
- FLP Glands
- Sirens & Boxes
- Solar Panels & Installations
- Security Cameras & Fencing



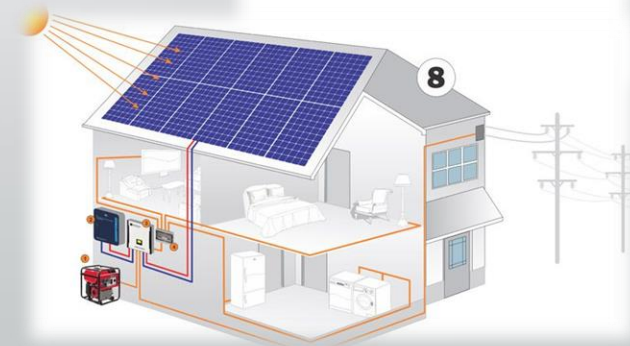
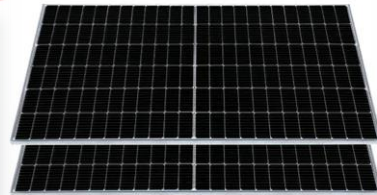


Solar

- Gel Batteries
- Lithium Batteries
- Battery Chargers
- Solar Panels & Installations
- Inverters



SUNGROW





General Services



Galvanized
Roof Sheetting

Colour
Roof Sheetting

Stainless Steel
Roof Sheetting

Polycarbonate
Roof Sheetting

- Supply of IBR and Corrugated Sheetting & miscellaneous items
- Domestic & Industrial lights
- Supply of Qualified Technicians, Electricians, Plumbers
- Full time Service & Repair Teams on Contracts
- Maintenance teams for industrial daily/ weekly or monthly maintenance and or repair
- Roller Shutter Doors
- UHP (Ultra High Pressure) Cleaning



The collage includes the following logos and images:

- eurolux Lighting your way
- MCE ELECTRIC
- MAJOR TECH
- OSRAM
- OSRAM logo with tagline "Brightening your world"
- ACDC SOUTH OCEAN
- OSRAM logo with tagline "Brightening your world"
- UNI-T
- voltex
- WACO industrial electrical distributor
- VETI
- RADIANT
- STRUTFAST 012-804 9393
- O-line
- OMESTO
- SPAZIO
- LEAR
- GAP
- GELSA lighting
- FLASH
- CHINT CHINT ELECTRIC
- central support systems
- Bright Side LIGHTING
- Crabtree
- Schneider Electric
- Powered by Powertech
- Roof Fasteners
- Lipped Channels
- Flashings
- Bullnosing
- Industrial Rainwater
- Cranking
- DIY Carports
- Curving

Mission:

Dual Air-conditioning's mission is to provide effective and quality Air conditioning solutions to meet its client's needs in partnership with the clients, to ensure a safe and healthy working & living environment

Member of The South African Institute of Refrigeration and Air-conditioning (SAIRAC) Number: 3722



About Us



Domestic & Industrial Applications



Mining & Earth Moving Applications



Refrigeration Applications



Domestic

- LG, Panasonic, Hisense, GMC, Carrier, Samsung, Midea, TCL, Alliance

Domestic Application

The design, installation, commissioning and servicing of industrial Airconditioners or Chillers in domestic applications such as:

- Split Type
- Window Walls
- Cassettes
- Hideaways
- Floor standing units
- Evaporative Cooling Units
- Air Purifier



Alliance



gmc aircon

SAMSUNG

Hisense



Panasonic

Midea



Industrial Applications



The design, installation, commissioning and servicing of industrial Airconditioners or Chillers in industrial applications such as:

- Roof Top Units and Duct Split Units
 - Evaporative Cooling Units
 - Consoles
 - Under Ceiling Units

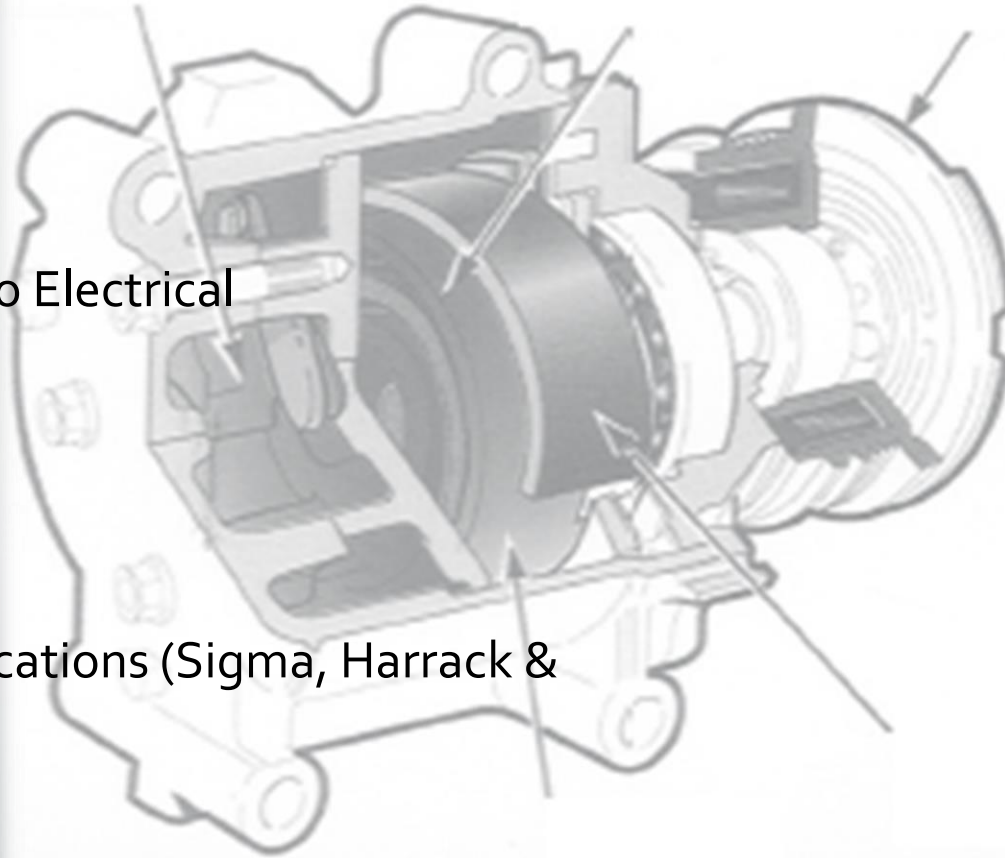




Automotive Airconditioning

All Vehicles

- Service
- Fault Finding/ Auto Electrical
- Repairs
- Flush and Re-gas
- New Installations
- Automotive Applications (Sigma, Harrack & Mac's)





Mining & Earth Moving Applications

Bell, Volvo, CAT, Komatsu, Hitachi, Liebherr & Others



The design, installation, commissioning & servicing in Mining & Earth Moving Applications:

- Draglines
- Overburden Drills
- Dump Trucks
- Graders
- Dozers
- Haulers
- Excavators
- Front End Loaders
- Water Bowsers & others

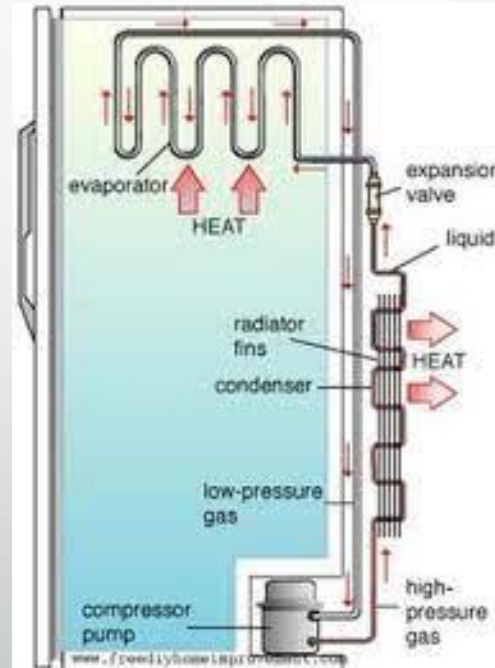




Refrigeration Applications

The design, installation, commissioning & servicing in Small or Large Scale Refrigeration Applications:

- Fridges
- Cold Rooms
- Water Coolers
- Ice Machines



Our References



#	Customer	Scope of Supply/ Service	Duration Yrs.
1	BHP Billiton	All Earthmoving equipment, Domestic Air Conditioning	14
2	South 32	Air Conditioning Maintenance: Middelburg mine, Klipspruit, Khutala, Douglas & Energy Coal	7
3	Seriti	Air Conditioning Maintenance: Middelburg mine, Klipspruit, Khutala, Douglas & Energy Coal	On-going
4	Shanduka Coal Izimbiwa	Domestic Air Conditioning & Plumbing	8
5	Shanduka Coal Umcebo	Domestic Air Conditioning & Plumbing	8
6	Shanduka Coal Umsimbithi	Domestic Air Conditioning & Plumbing	8
7	Optimum Coal Holding	Earthmoving Machines/ Construction, Domestic Air Conditioning & Plumbing & Electrical Services	16
8	SAMANCOR Ferrochrome	Domestic Air Conditioning	9
9	SAMANCOR Eastern Chrome Mines	Domestic Air Conditioning	9
10	Tubatse	Automotive & Domestic Air Conditioning	10
11	Barlows	CAT Earthmoving Machines	10
12	Highveld Steel/ Mapoch's	Earthmoving Machines & Domestic Air Conditioning	11
13	Rand Carbide	Domestic Air Conditioning	5
14	KUMBA Resources	Earthmoving Machines	5
15	Arnot Colliery (Exxaro)	Domestic Air Conditioning	12
16	Anglo	Earthmoving Machines & Domestic Air Conditioning	14
17	MAFUBE (Anglo/ Exxaro JV)	Earthmoving Machines & Domestic Air Conditioning	14
18	Columbus Stainless Steel	Domestic Air Conditioning & Electrical Services	16

Mission:

WMT is striving to become the market leader that offers an ethical and global water solution, securing the future of our environment for generations to come. Our solutions are scientifically based and proven.

We serve a wide range of industries and can confidently solve your specific water treatment challenges. WMT offers turnkey solutions to achieve compliance, improve facilities and operations, while saving costs and resources.



WMT

WATER MANAGEMENT TECHNOLOGIES

WATER MANAGEMENT TECHNOLOGIES

About Us



Nanotechnology - Water purification technology & Atmospheric Water generation



WATER PURIFICATION TECHNOLOGY



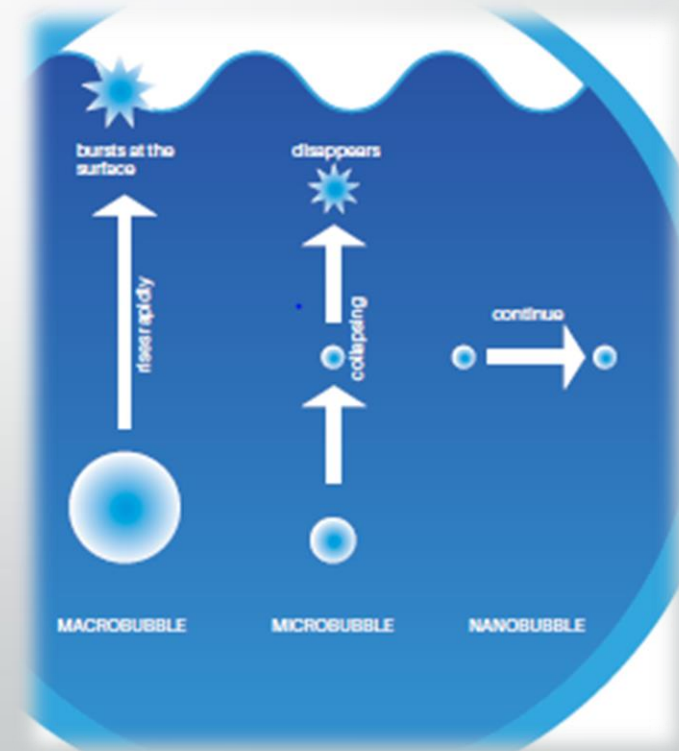
WMT
WATER MANAGEMENT TECHNOLOGIES

WATER MANAGEMENT TECHNOLOGIES

WMT uses industrial-scale nanobubble technology, in conjunction with project specific pathogens to deliver extraordinary improvements in chemical-free water treatment and the recovery of natural resources.

NANOBUBBLES

Nanobubbles are 70-120 nanometers in size, 2500 times smaller than a single grain of salt. They can be formed using any gas and injected into any liquid. Due to their size, nanobubbles exhibit unique properties that improve numerous physical, chemical, and biological processes.





WATER PURIFICATION TECHNOLOGY



WATER MANAGEMENT TECHNOLOGIES

THE PROVEN BENEFITS OF NANOBUBBLES



Ensure your wastewater is treated effectively with a solution that removes contaminants and improves water quality. Nanobubbles promote improved flotation of fats, oils, greases, and floatable solids, and enhances the performance of dissolved air flotation (DAF) systems.



Molecular nanobubble generators remove surfactants of fine bubble aeration systems. Nanobubbles also achieve oxygen transfer rates over 85% and can be used as the sole aeration technology or as a supplement to an existing aeration system.



Nanobubbles work in any stage of your liquid process to oxidize and prevent the formation of odor and corrosion causing compounds that degrade the infrastructure, threaten health and safety, and raise complaints.



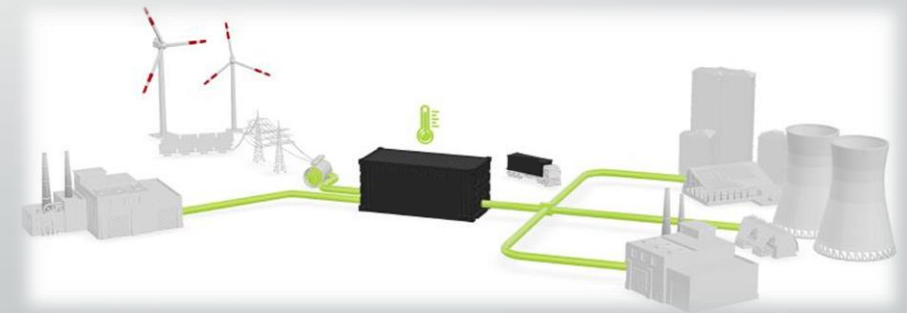
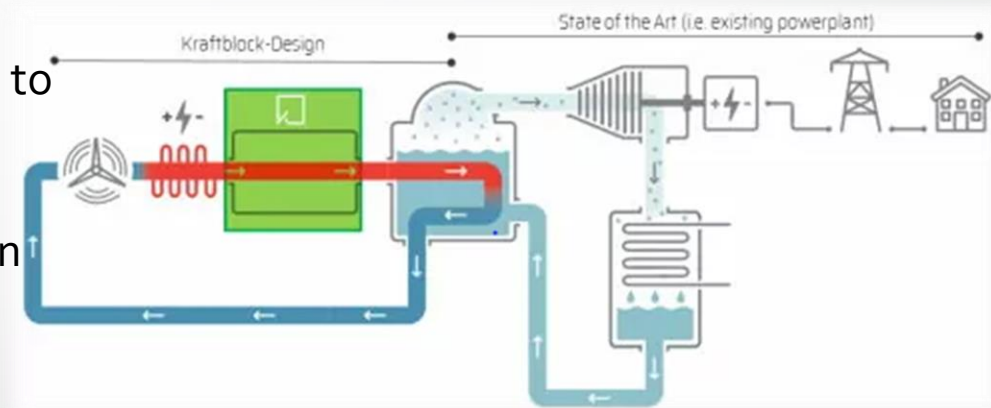
THERMAL ENERGY

Specialized products meet specific demands through precise applications tailored to your industry. Scalable flow rate capacities to accelerate productivity, integrate with various systems, and meet unique needs

Solutions integrate seamlessly into your existing system so you can get up and running without downtime.

SOLAR STORAGE

The energy storage system has two application forms: It can be used as a Waste-Heat Recycling System for the conversion and reuse of waste heat and as a Net-Zero Heat System to replace fossil energies with renewable ones





ATMOSPHERIC WATER GENERATION

An atmospheric water generator (AWG) is a device that extracts water from humid ambient air. Water vapor in the air is condensed by cooling the air below its dew point.

Designed to render the water potable with multiple stages of filtration

- Residential
- Industrial / Commercial
- Agricultural

99.9%
Pure Water



WHERE THERE IS AIR
THERE IS GOOD WATER

Making Water from Air Humidity
One Machine Combined 4 Home Appliance

Air Purifier | Water Dispenser | Dehumidifier | Water Purifier

\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ AIR WATER GENERRATOR \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\



SERVICES(PLC, VSD, act)

- Integration with new instruments
- Maintenance of current automation systems
- Updating of Automation systems
- Remote reporting systems on plant / equipment status(email/sms/remote viewing)
- Auditing of existing automation systems
- Breakdown assistance on existing equipment
- Site specific plc program training: We analyze any existing application and program. Then we compile and present a site specific training session
- Integration of various flow meters, pressures, level sensors, encoders etc.

- Programming and backups of PLC, SCADA and HMI's
- Siemens PLC specialists: Diagnostics, fault finding, programming
- Configuration, programming and fault finding on simocodes, soft starters and VSD's
- Industrial network installations, maintenance and fault finding (Profibus, Profinet, wireless links)
- Design, build and wiring of PLC and electrical panels
- Custom build information displays
- Drill automation and upgrades
- Maintenance and repairs on electronic devices
- Drizit systems automation, reports and maintenance
- Professional measuring solutions



SERVICES(DRAGLINE SPECIALIST)

- X-Y recordings with full detailed report and solutions to findings
- Inspection and maintenance on rotating equipment
- Transfer switch installation maintenance
- Field application installation and maintenance
- Ground fault finding on all loops
- Rectification and preventative maintenance on loop unbalances
- Fault finding and repairs on Siemens drives
- Installation and maintenance of IP cameras and recorders

- Maintenance and repairs on all LV equipment and circuits
- Programming and maintenance of dragline control systems (plc, simocode, siprotec, siemens drives etc.)
- Generator and motor neutral tests and adjustments.
- Lubrication panel maintenance and fault finding
- Power backup for critical systems
- Inspections and maintenance on MV slip rings
- Engineering and inspections of critical safety equipment
- After hours breakdown assistance



SERVICES

GENERAL

- Camera systems (installation and maintenance)
- Soft start and VSD drive installations and maintenance
- Fault finding on electrical circuits

SUPPLY

- Automation parts (plc, hmi, software, etc)
- LV switchgear
- Electrical consumables
- Soft starter and VSD drives
- Industrial instruments
- LV and MV enclosures
- All Types of Cables
- Complete pre-build electrical / instrumentation panels to client standard
- Solar backup power for crucial systems(Control Rooms, Server Rooms and Offices)



COMPREHENSIVE BORE DRILLING

- Water surveys
- Borehole Drilling – DTH Drilling
- Borehole Sleeving
- Borehole Development
- Borehole Yield Testing & Certification
- Pump & Storage Installation
- Borehole Water Quality Testing & Filters
- Camera Inspections
- Off the Grid Water Solution



Our Promise to YOU



Your trusted partner in creating a **safe** & **healthy** working & living environment

Dual Group's vision is not one of being the biggest but rather the best, most reputable provider of solutions focused on the client's needs!

Dual Group thus engenders a positive culture revolving around the four basic values which it sees as its cornerstones:

- 1) The Client is Priority
- 2) The Provision of Quality Service
- 3) Honesty and Transparency in all business dealings
- 4) Recognition of Individual Performance

Thank You

OFFICE

SAN-MARIE



ABEAGYEL



(013) 244 1528/38



admin@dualgroup.co.za



admin@dualairconditioning.com



Victor Snyman



+27 82 575 3481



victor@dualgroup.co.za



www.dualgroup.co.za

