



ABOUT US

- TBS Electrical specializes in providing strategic low and medium voltage solutions for new and existing electrical systems for mining, industrial, commercial and residential projects
- We pride ourselves in designing electrical systems that use the latest technology to build energy efficiency into all projects including PV, energy management; LED lighting, UPS systems, and smart building controls to safeguard costs for our clients.
- It is our passion to preserve the environment and culture in which we all work, play, and love and therefore makes it our mission to transition communities and businesses to simple and clean energy-saving solutions.

VISION

To become the most sought after service provider for the design and installation of electrical systems in industrial, mining, commercial, and residential sectors

MISSION

To be the leading electrical solutions company by providing our clients with energy-efficient electrical systems, using the latest industry technology to ensure these systems are both sustainable and cost-effective.

VALUES

SAFETY

HONESTY

INTEGRITY

TRANSPARENCY

INNOVATION

GENERAL SERVICES

- Certificate of Compliance(CoC)
- Heating, Ventilation, and Air Conditioning
- Electrical Fault Finding
- Electrical Installations
- Maintenance and Repair
- Electrical Inspections
- Electrical Rehabilitation
- Thermal Imaging Services (Infrared)
- DB's Panel Re-wiring
- Energy Audits
- 24/7 Availability

MINING SECTOR

- Trackless Machinery
- Conventional Mining
- low and medium voltage cable solutions
- Battery Operated Locomotive Maintenance
- Installation of mini sub stations
- Earthing
- Termination and Jointing of medium voltage cables

INDUSTRIAL

Our main objective is to protect our clients assets and achieve performance efficiency throughout the installation's lifecycle. Our technical know-how and years of experience in this complex infrastructure electrical space means that we can provide innovative solutions for a broad range of international clients. From design and construct, to commissioning and maintenance support, we can provide tailored electrical, instrumental and communication services to meet your operational requirements.



TBS ELECTRICAL CONSULTING TEAM SUITE OF MAINTENANCE AND INSTALLATION SERVICES TO HEAVY INDUSTRY PROJECTS ENCOMPASSES:

- Electrical and instrumentation works
- Installation of switchgear and control systems
- Underground cabling
- Installation of switch rooms and MCC's
- Conveyors and materials handling systems
- Assembly of modular units and Machinery Installation
- Lightning protection Surge / overvoltage protection
- Boxes, Cabling and Interfaces
- Contactors and Protection Relays
- Enclosures and Accessories
- Human Machine Interfaces (HMI)
- Industrial Communication
- Interface, Measurement and Control Relays
- Measurement and Instrumentation
- Motion Control and Robotics
- Motor Starters and Protection Components
- PLC, PAC and Dedicated Controllers
- Power Supplies, Power Protection and Transformers
- Process Control and Safety
- Pushbuttons, Switches, Pilot Lights and Joysticks
- Sensors and RFID System
- Signalling Devices
- Software upgrades & sourcing
- Telemetry and Remote SCADA Systems
- Variable Speed Drives and Soft Starters
- Electrical Distribution Boards and Control System Panel building Including Drawings & Diagrams

COMMERCIAL AND RESIDENTIAL

- Electrical Protection and Control
- Emergency Lighting
- Home Automation
- Home Security, alarm & camera system
- Network Infrastructure and Connectivity
- 24/7 Emergency breakdown service
- Property Management – electrical maintenance and new installations
- Electrical asset maintenance
- Electrical Design and Construction
- Underground electrical supply
- Switchboard and Metering alterations
- Light and Power Installations
- Exit and Emergency Lighting
- Surge Protection and Power Conditioning
- Uninterruptable Power Supply (UPS)





SOLAR & ENERGY

TBS Consulting provides small to mid-scale solar photovoltaic (PV) systems as well as the latest inverter technology and large scale lithium battery storage solutions that are tailor-made to our clients needs ranging from residential to commercial offices, retail parks, hospitals, schools, universities, government facilities and rural agribusinesses.



OUR EXPERT TEAM PROVIDES:

- Engineering & Design
- Procurement
- Construction
- Commissioning
- Operations and Maintenance
- Project Feasibility Analysis
- Energy Performance Analysis
- Long Term Performance Guarantees



ENERGY EFFICIENCY OFFERINGS:

- LED and DALI lighting solutions
- Photovoltaic Solutions (PV)
- Smart Building Controls
- Building Management System (BMS)
- Generator Supply and Installation
- Surge Protection and Power Conditioning
- Uninterruptible Power Supply (UPS)

STANDBY GENERATION

Electrical and Automation can provide standby power options for both residential and commercial installations with options for the auto start on power failure or manual generator start and connection. All installations fully comply with the appropriate Electrical Standards and Wiring Codes of Practice and provide a safe, efficient, and reliable standby power supply. We can offer fuel options including petrol, diesel, and LPG with maintenance programs ensuring your generator is ready to go when it all goes wrong. We will also provide temporary single and three-phase generators and distribution systems of any size for construction sites, sports events and the like as may be required.

WE SERVICE & HIRE OUT STANDBY GENERATORS TO CLIENTS IN THE FOLLOWING SECTORS:

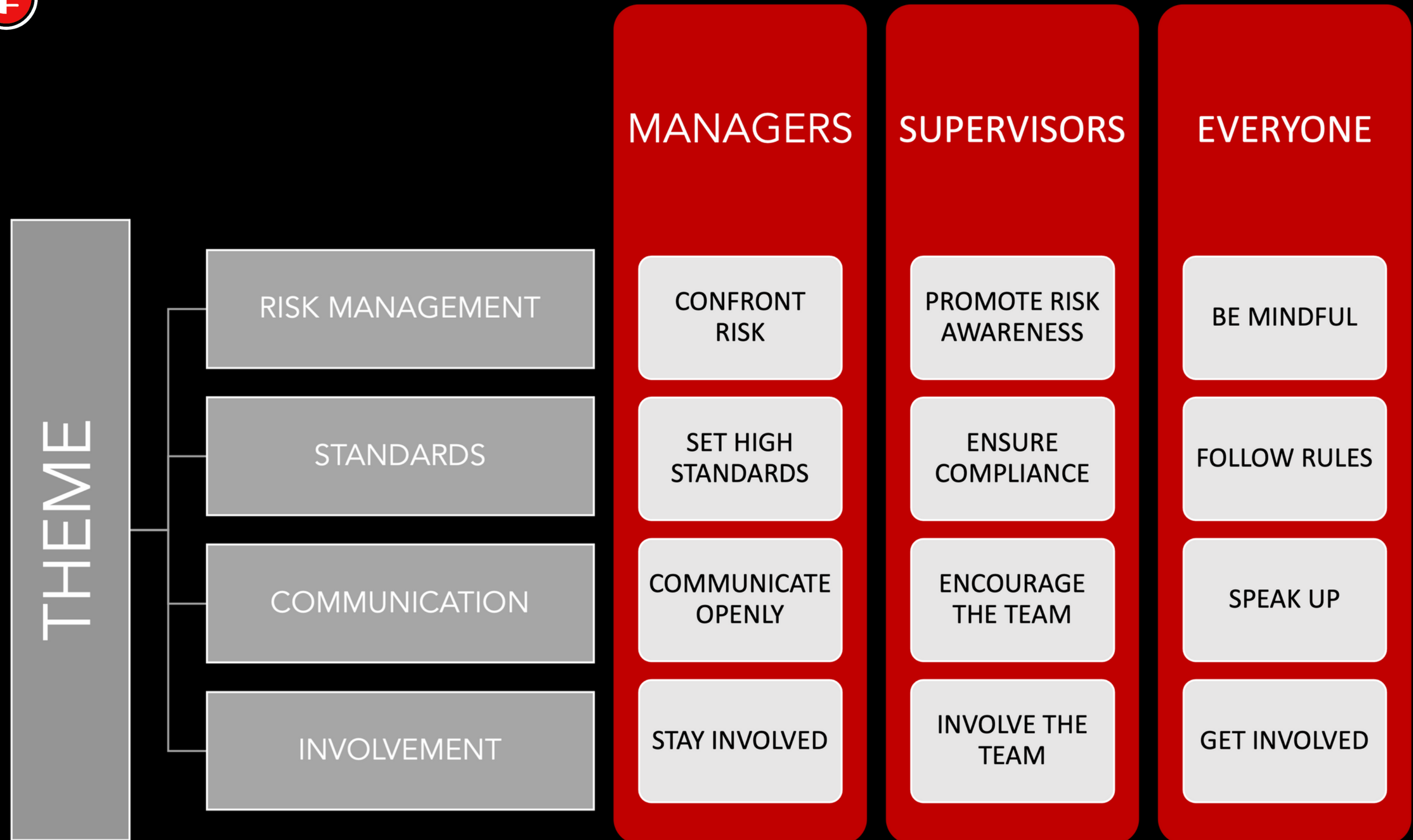
- Local Government Municipalities
- Property Developers / Property Management Real-estate
- Retail Shopping Centres / Retail Parks
- Hospitals / Health Care
- Sporting Venues / Church Venues
- Entertainment venues / Filming Industry indoor & outdoor.



HEALTH AND SAFETY

Our #1 priority is ZERO harm for all our clients and employees.

TBS Electrical Consulting Group aims to stay at the forefront of Health and Safety and has adopted policies and management practices that are per Occupational Health and Safety Regulations.



WE EMPOWER OUR PEOPLE AND EMPLOYEES TO:

- Intervene when they witness any 'at-risk behaviour
- Lead by example
- Identify and manage hazards associated with the activities for which they are responsible
- Courageously and honestly report all accidents and hazards
- Take the time to do things right; do the job safely or not at all – do not cut corners



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