



ACTOM ENGINEERING PROJECTS & CONTRACTS (EPC)

A division of ACTOM (Pty) Ltd



Your one-stop global energy solutions partner

ACTOM

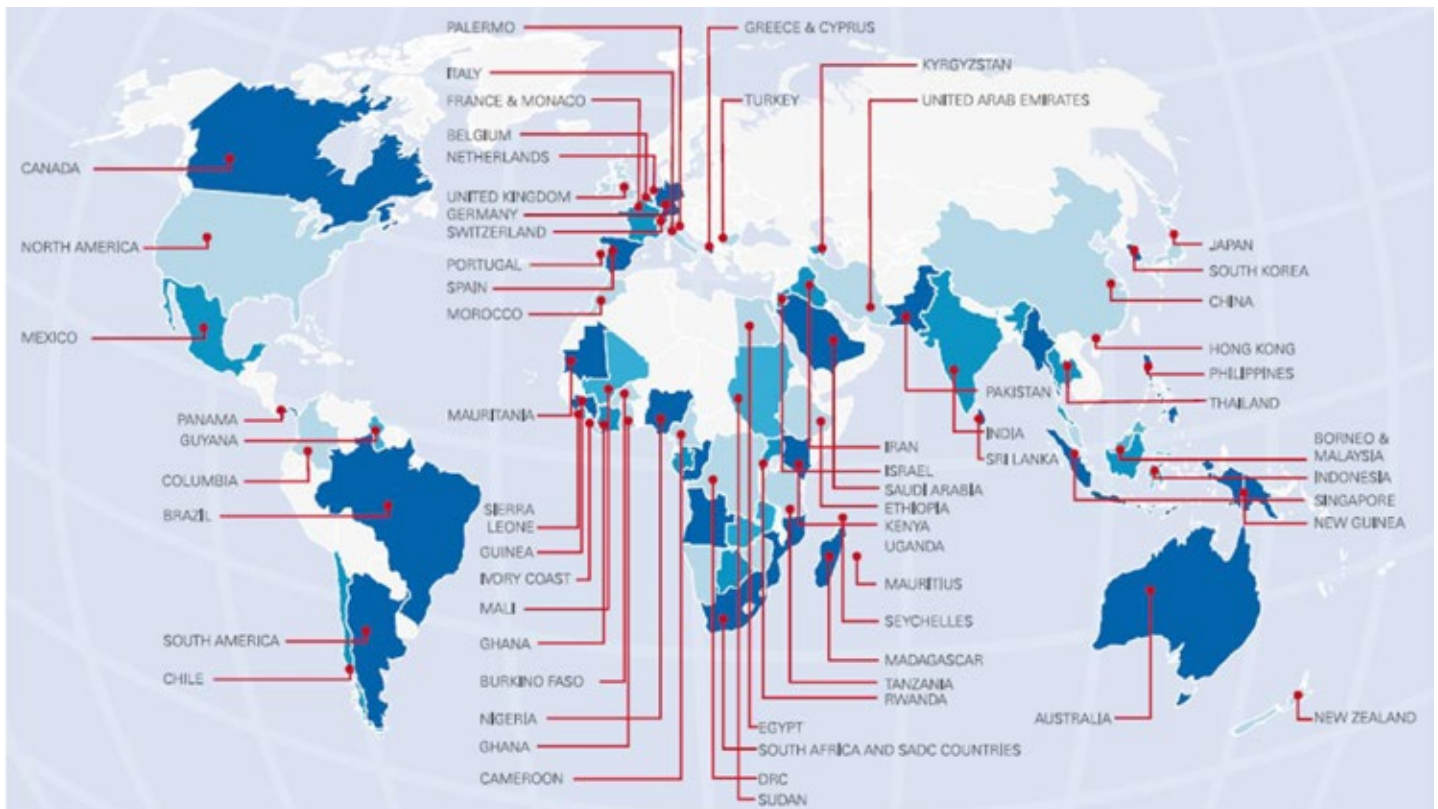
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ACTOM

ACTOM (Pty) Ltd is an industry leader and the largest Sub-Saharan manufacturer, solution provider, repairer and distributor of electro-mechanical equipment in Africa, employing about 8000 people with an annual order intake in excess of R11bn. We are a black empowered company with 34 operating units, 53 production, service and repair facilities, and more than 33 distribution outlets throughout Southern Africa.

With more than **120 years of experience in energy**, we've continually evolved our product and service offerings to meet the world's energy needs. Our innovative, cutting-edge technology has helped us to provide reliable, environmentally friendly energy solutions for both consumers and businesses.

Global Footprint



SUBSIDIARIES
in Zimbabwe / Namibia / Zambia / Botswana / DRC / Kenya

Committed to localisation, skill and technology transfer

34
OPERATING UNITS

33
DISTRIBUTION CENTRES

53
PRODUCTION, SERVICE AND REPAIR FACILITIES

BBBEE RATING
Level 1 BBBEE contributor

- Procurement recognition of **135%**
- Empowering Supplier

51.49% Black Owned **35.73%** Black Women Owned

NUMEROUS SOCIAL RESPONSIBILITY PROJECTS

SKILLS DEVELOPMENT – IN HOUSE TRAINING

ACTOM Engineering Projects & Contracts (EPC) Business Units

ACTOM Industry



ACTOM Industry is the mine winder expert with modern power electronic drive, control and switchgear technology, providing turnkey solutions worldwide for specialised industrial rotating drive and power applications in mining, metals, paper and process industries.

It manages projects from design to commissioning, inspection and maintenance, including emergency support, repair works and magnetic rope testing.

The business, also supplies fire detection systems consisting of Air Velocity Detectors, Methane Detectors, Smoke Detectors, and Carbon Monoxide Detectors.

ACTOM Contracting



ACTOM Contracting is the E&I division which provides turnkey solutions for electrical power and

instrument & control systems in the mining and manufacturing industries as well as the public sector.

ACTOM Power Systems



ACTOM Power Systems provides turnkey solutions in the electrical infrastructure sector specialising in AIS and GIS substation construction and renewable electrical balance of plant installations.

It undertakes existing substation rehabilitation, extensions and upgrades ranging from 6.6kV to 400kV.

ACTOM Rail Transport



ACTOM Rail Transport has two trading units:

ACTOM Signalling designs, manufactures, installs and maintains railway signalling equipment and turnkey solutions.

ACTOM Rail Transport Equipment & Projects (TEP) is a contractor and supplier of rolling stock equipment,

parts, maintenance and specialised depot machinery and test equipment.

ACTOM Energy



ACTOM Energy is the Power Energy Solutions integrator for power automation, condition monitoring, electrical & instrumentation, hydraulic and pneumatic motion systems across all sectors.

KOEBEC Electrical and Engineering Services



KOEBEC Electrical and Engineering Services provides high, medium and low voltage installations and modifications, project management and commissioning for the Nuclear, Explosive and Petro-chemical industries.

WE PROVIDE RELIABLE,
ENVIRONMENTALLY
FRIENDLY ENERGY
SOLUTIONS



ACTOM Industry

ACTOM Industry's product portfolio includes a full range of medium voltage switchgear, low voltage power distribution switchgear, motor control centres, transformers, drives, DC circuit breakers, motors, encoders, controls and diagnostic software

packages for all AC and DC drive applications.

We have the complete local in house capability to calculate duties, design, manufacture, install, commission, project manage and render proactive maintenance and emergency support

for our present installed base across the African continent.

Our experienced application engineers will advise on a selection of the most techno economically suitable products and solutions for each unique application.

We offer:

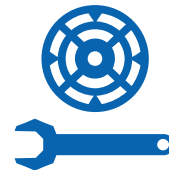
- Mine Winder Hoist Expertise
- Switchgear, DC Circuit Breakers and MCCs
- Protection
- Transformers
- AC/DC Drives
- PLC / IPC Controls
- Safety / Brake Control
- Electronic Speed Distance Protection
- HMI / SCADA / Data Logging / Instrumentation
- Motors and MG Sets
- Technology Partnership with leading Brand Manufacturers
- Products to IEC and SANS specification
- Proven Products and Systems
- Access to our Founding Group Legacy equipment OEM data
- Customization to client needs
- Turn Key Projects
- Maintenance and Inspections
- Repairs / Breakdown Support
- Spares and Components
- Fire Detection Systems
- Level 1 Technical Audits
- Dynamic Brake Testing
- Magnetic Rope Testing



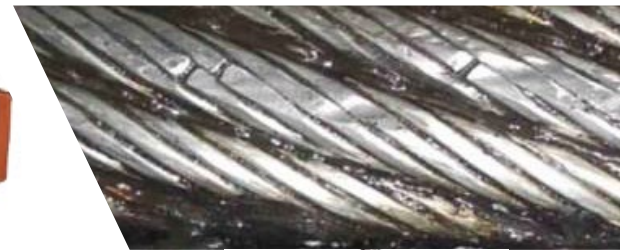
Winder Systems



Fire Detection in Explosive Atmospheres



Winder Services



ACTOM Contracting

ACTOM Contracting is the Electrical and Control & Instrumentation division which provides turnkey solutions for electrical power cabling and control & instrumentation of Infrastructure projects for various Sectors including but not limited to Mining, Manufacturing, Energy (Power Generation, Transmission and Distribution including Renewable), Rail and Public Sector. ACTOM Contracting also provides a consolidated and integrated EPC ACTOM Solutions to its customers



We offer:

- Complete EPC for High, medium, low voltage power cabling for new construction, upgrades and refurbishment projects.
- Commercial lighting and small power installations
- Complete EPC for Control & Instrumentation.
- Integrated ACTOM solutions to customers (i.e Tutuka MV Switchgear and HVAC project)

ACTOM Contracting pride itself with wealth of experience gained during some of the critical and biggest infrastructure projects undertaken in the South African history. This includes a complete EPC scope for all Electrical power cabling and lighting for the construction of Soccer City Stadium JHB, complete EPC for all Power cabling for the construction of Medupi Power Station including C&I for half of the station and for all Balance of Plant

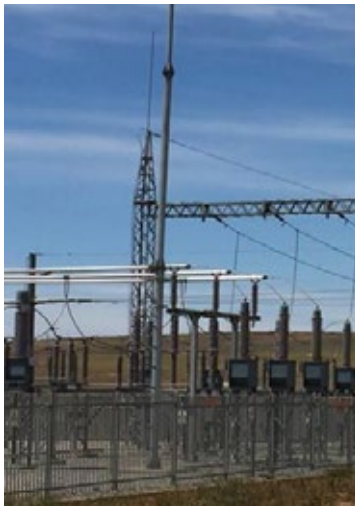


ACTOM Power Systems

Power Systems: turnkey projects for the electrical power industry.

The Power Systems unit delivers complete MV, HV and EHV turnkey projects for the electrical power industry, including complete substations.

Power Systems will undertake substations and projects ranging from 6,6 kV to 400 kV and has an impressive reference list of successful projects and satisfied clients, including utilities, municipalities, industries, railways and mines.



Gas insulated switchgear (GIS).



Customer Focus

Provides the best long-term strategy to ensure that local content would be maximised to improve competitiveness.

The scope of activities includes:

- Civil layouts and substation designs
- Steelwork engineering and structural designs
- Earthing layout and designs
- Yard physical and electrical designs and layouts
- Civil construction
- Conventional outdoor AC and DC substations with strung yards, lattice design, low profile tubular design or busprop design
- CAIS (compact air-insulated switchgear) and HYpact (hybrid compact switchgear) substations
- GIS (gas insulated switchgear) substations
- SVC (static VAR compensator) projects
- Indoor cellular type substations
- Mobile substations
- Refurbishment and extension of existing substations
- Service, maintenance and repairs
- Series capacitor banks



ACTOM Rail Transport

ACTOM Rail Transport has a comprehensive turnkey capability in the fields of railway automation, signalling and control systems and traction equipment systems and components.

ACTOM Rail Transport comprises of two subunits:

- **ACTOM Signalling**, leading players in the Southern African market in the fields of railway automation, signalling and control systems, with a comprehensive turnkey capability and an extensive range of products.
- **ACTOM Transport Equipment & Projects (TEP)**, a contractor and supplier of rolling stock equipment, parts and maintenance services.

ACTOM Transport Equipment & Projects (TEP)

ACTOM Transport Equipment and Projects is a contractor and supplier of rolling stock equipment, parts and maintenance services. They also provide specialized depot

assembly and test equipment such as wheel presses, bogie drop machinery, bogie and test equipment and power supplies through their representation in Southern Africa of BBM and IRMIE Impianti of Italy.

ACTOM Signalling

ACTOM Signalling designs, manufactures, installs and maintains railway signalling equipment and turnkey systems covering train control, track side equipment, interlocking, train detection, automatic train routing and train management information.



Our core capabilities include:

- Planning and design
- Research and development
- Manufacture of signalling products
- Testing and commissioning
- Refurbishment/repair of products
- Signalling maintenance
- Project management
- Turnkey railway signalling projects
- Supplier of rolling stock equipment, parts and maintenance services
- Depot assembly and test equipment

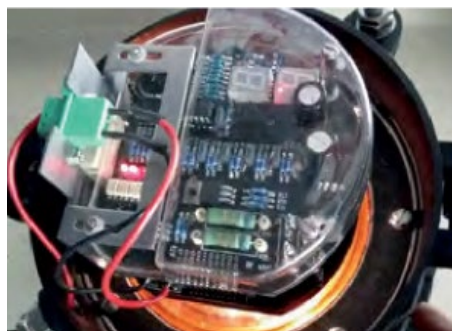
Signals & Points Equipment

Plastic Light Units

Route/shunt Signal Unit



LED Cluster Signal Unit



Points Units & Equipment

Self Normalising Trailable Cylinder & Mechanical Points Indicator



ACTOM Rail Transport

Style C1H MKII Points Machine and Universal Drive Unit



Switchmatic B1



Train Detection

Jeumont Track Circuits



AZLM Axle Counter



**SUPPORT
LEGACY RAILWAY
SIGNALLING
EQUIPMENT**



VITAL 21 FSDT



Interlocking Systems

iVPI Electronic Interlocking



Hybrid Relay Interlocking



Remote Control Systems



Yard Automation System



Level Crossing



BBM



TEP represents BBM of Italy for specialised products such as wheel presses, bogie drop machines and bogie test equipment. Recent installations include six wheel presses in various depots in South Africa.
www.bbm.it

IRMIE Impianti



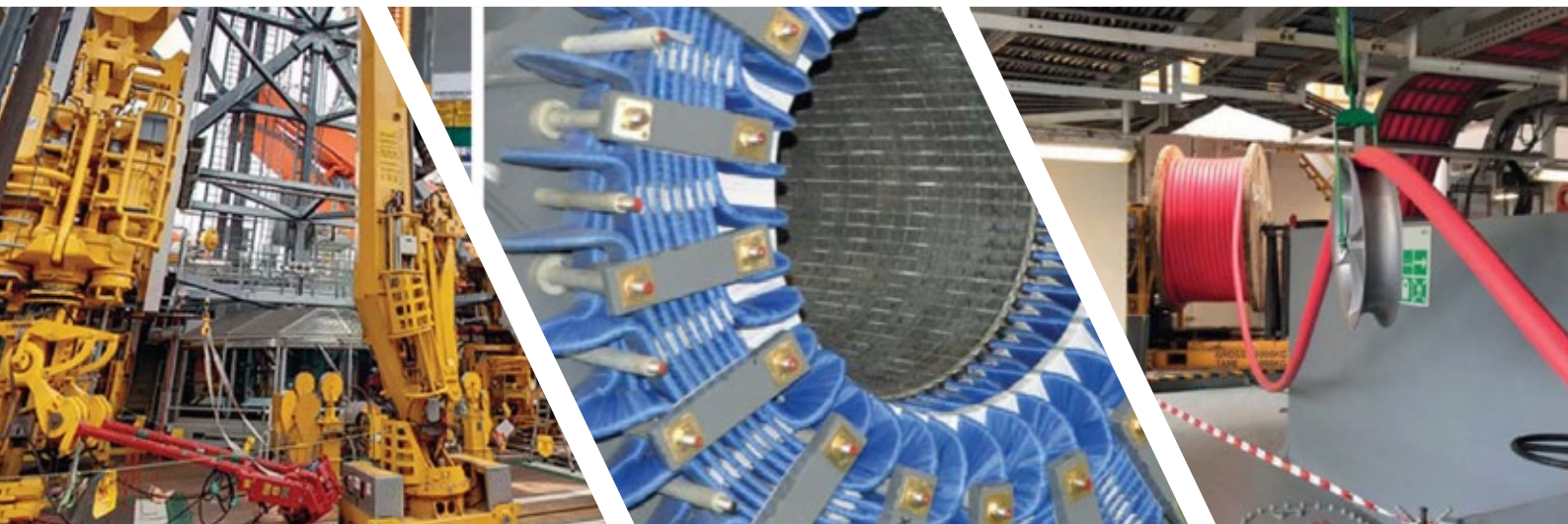
TEP also represents IRMIE Impianti of Italy, which specialises in depot testing and other rolling stock related electrical test equipment, depot assembly and test equipment.
www.irmieimpianti.com

ACTOM Energy

From Control & Instrumentation, Protection and Control, Automation, Electrical Installations, Commissioning, Auxiliaries, Power Generation, MV Sub-stations, Condition Monitoring including remote Data Logging, Maintenance and Repairs just to name a few, ACTOM Energy can assist customers across a wide spectrum of industries in South Africa, Sub-Saharan Africa and Internationally with most of their existing or new plants' requirements.

Summary list of our services

- Power and Distribution Transformers
- MV Switchgear
- MV Mini Substations
- LV and MV Motors & Drives
- Black Start Emergency Power
- Motor Control Centers
- Energy Storage
- Industrial UPS
- Protection and Controls
- Power Generation
- Mobile / Containerised Substations
- HVAC
- Lighting
- Cathodic Protection
- Safety and Security
- HPUs
- Oil Lubrication System Hydrodynamic Cleaning & Flushing
- Electrical Installations
- Condition Monitoring
- Motor and Transformer Repairs
- Transformer Oil Analysis & Filtration
- Boilers Auxiliaries
- Maintenance, Inspection & Repairs



ACTOM Products and Services Integration

Over the years ACTOM Energy has developed solid front end engineering and project management expertise in sectors such as: Steel, Defense, Water, Mining, Cement, Petro-chemical, Paper, Sugar, Marine and Oil & Gas.

ACTOM Energy can integrate products and services from our Group Divisions to provide clients with system solutions such as:

- Integrated Plant Instrumentation
- Boiler and Auxiliary Electrical Installations
- Industrial MV Substations
- Black Start Emergency Power Generation
- Island Power Generation
- Desalination and Demineralisation Plants
- Energy Storage (UPS)
- Hydraulic Pressure Units (HPUs)
- Pump Stations
- Ventilation Plants
- Compressors
- HVAC Installations
- Electrical Installations
- Fire Detection and Prevention to NFPA 20 & NFPA70
- Condition Monitoring, Remote Data Logging



Battery Charging Hall



Boiler Electrical Installations



Mobile Oil Filtration Plant



Operator Interface



Drilling Display

Fluid Technology

As an official Parker Distributor we offer a wide range of Parker products and Services ranging from:

- Pumps & Motors
- Industrial Valves
- Cylinders
- Filtration
- Pneumatics
- Training

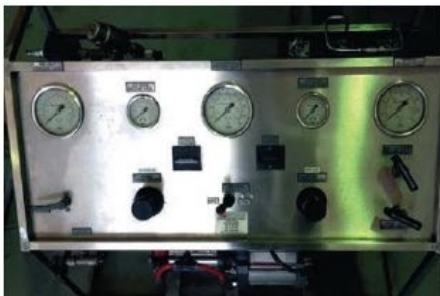
Our services include system design, manufacturing, site installation and commissioning using our mobile workshops which can be deployed anywhere in the world.



Mobile workshop

On Site Turbine and Large Diesel Engine Oil Filtration

ACTOM Energy can provide diesel driven filter plant equipped with our Parker multiple filtration manifold



Nitrogen intensifier



KOEBEC Electrical and Engineering Services

KOEBEC Electrical and Engineering Services has evolved over 26 years into a leading contender in the electrical industry, particularly within the South African Nuclear, Peaking Stations and Petrochemical sectors. With our affiliation with ACTOM, we access OEM services for switchgear and cable manufacturing, enhancing our technical capabilities and support.

At KOEBEC Electrical and Engineering Services, we offer a comprehensive range of services tailored to meet the needs of various industries, including Nuclear, Peaking Stations and Petrochemical.

Our Services

- Switchgear, Panels, and Transformers: Supply and installation for efficient electrical systems.
- Electrical Modifications: Comprehensive solutions for all modification needs.
- Lighting and Power Solutions: Installation and maintenance for both industrial and domestic settings.
- Control Systems & PLCs: Advanced control solutions for automation.
- Manpower Hiring: Skilled personnel for project support.
- Explosive Area Installations: Expertise in high-risk environments.
- High Voltage Installations: Including cable installations (Pex & Paper lead).
- Equipment and Materials Supply: Comprehensive sourcing for all electrical needs.
- Project Management: End-to-end management of electrical projects.
- Commissioning Services: Ensuring systems are operational and compliant.
- Access Control Systems: Installation and monitoring for enhanced security.
- Fibre Optic and Networking: Telephone and LAN network installations.
- Cable Tray and Conduit Systems: Installation services for organized electrical layouts.
- Power Generation Installations: Electrical systems for generating power.
- Audio-Visual Solutions: Installation of AV systems for enhanced communication.
- Electrical Metering and Control Panels: Installation of metering and relay equipment.
- Core Drilling and Cable Penetrations: Including fireproof sealing.
- Safety Files and Programs: Compiling essential safety documentation.
- Solar Installations: Renewable energy solutions.
- CCTV Installations: Comprehensive security camera setups.



KOEBEC Electrical and Engineering Services

OEM Support

With ACTOM'S backing, we provide comprehensive design, manufacturing, supply and technical support for:

- High and Low Voltage Switchgear
- Transformers
- Motors
- Leading stockist and supplier of competitively priced quality electrical equipment

Social Responsibility

KOEBEC is committed to improving employee welfare, offering:

- Provident, disability, and death benefits
- Medical aid
- Transport assistance
- Educational incentives
- Support for the NSRI

Our Expertise

- **Quality Management**
Our ISO 9001:2015 certified Quality Management System ensures compliance with industry standards, supported by procedures tailored for the Nuclear, Explosive, Hydro and Petrochemical sectors.
- **Professional Registration**
We are registered with several professional bodies, ensuring our team includes qualified Installation Electricians, Master Installation Electricians, Project Managers, and Safety Managers.



Customer Focus

Provides customers with turnkey electro-mechanical solutions



Your one-stop global energy solutions partner

ACTOM

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