

ABRIDGED CORPORATE PROFILE



ACTOM is the largest manufacturer, solution provider, repairer, maintainer and distributor of electro-mechanical equipment in Africa.

ACTOM

ACTOM divisions at a glance

ACTOM (Pty) Ltd is a level 3 B-BBEE Contributor with 51.30% Black Ownership and 34.66% Black Women Ownership. It is the largest manufacturer, solution provider, repairer, maintainer and distributor of electro-mechanical equipment in Africa, offering a winning and balanced combination of manufacturing, service, repairs, maintenance, projects and distribution through its 38 outlets throughout Southern Africa.

ACTOM is also a major local supplier of electrical equipment, services and balance of plant to the renewable energy projects.

It also holds numerous technology, distribution and value added reseller agreements with various partners, both locally and internationally.

POWER



John Thompson has its principal focus on being the best boiler and environmental solutions business serving the industrial and power generation markets, both locally and internationally.

John Thompson are South Africa's leading supplier of industrial boilers and design, manufacture, construct and maintain watertube and firetube types with steam outputs of up to 350 t/h, for process steam and power generation applications. John Thompson also retrofit, service, maintain, repair and refurbish utility boilers and associated auxiliary plant and environmental (gas-cleaning) systems in the power generation market. In addition, they design, manufacture and install related products incorporating heat transfer technology.

Additionally John Thompson designs, manufactures, supplies, installs, commissions, services, maintains and retrofits process control systems for gas cleaning, product recovery, air pollution control and dust control in the industrial and mining environment. Supported products include baghouses, bag filters, cyclones, wet scrubbers and collectors.

POWER CONVERSION



ACTOM Electrical Machines is the leading manufacturer and supplier of electric motors in Southern Africa and exports its products to several countries. It has a long standing capability for custom-designing and manufacturing medium voltage motors up to 18MW for mining, industrial, processing and utilities markets. It has supplied motors for the bulk of Eskom's power stations over the years. It is a leading supplier of premium specification as well as standard low voltage motors, gearboxes, speed reducers and motor starters. It also manufactures laminated components and tooling for the electric motor manufacturing and repair industries.

Elmacast Foundry is a one-stop manufacturer of high quality castings in SG Grey and Chrome irons for a wide spectrum of external customers.

ACTOM HVAC Systems specialises in the design and installation of industrial ventilation, filtration and air-conditioning systems. It has extensive experience in HVAC systems for MCC rooms and control rooms for refineries, pulp mills, smelters and mines. They also design and supply cleanroom systems for the pharmaceutical industry and have installed many HVAC systems in the food industry. In the textile industry, they have extensive knowledge in the design and installation of humidification, dust filtration and waste extraction systems.

Static Power specialise in the design and manufacture of AC and DC standby equipment. Thyristor type battery chargers (Micro Process Controlled option), industrial batteries, power supplies, rectifiers, DC/DC converters, DC/AC inverters, furnace control panels, capacitor trip units, battery trip units, power distribution boards. All systems are designed and engineered to suit their purpose, to ensure reliability and compatibility. Our success is testimony to the quality products and service to which

Static Power is committed to providing the local and export markets. We rectify the AC and convert the DC.

Alkaline Batteries, is the South African agent for ALCAD and SAFT industrial nickel cadmium and Lithium Ion batteries for the industrial, telecoms, rail and renewable energy markets. The local assembly plant on the East Rand includes a collecting point for spent nickel cadmium batteries for recycling. Services offered include Installation and Commissioning, Battery Sizing, Testing, Investigations, Maintenance and Repairs, Maintenance and Service Contracts, Discharge Tests and Training.

COM10 is a local assembler and integrator of Alpha switchmode rectifiers, DC/DC Converters with sophisticated supervisory controllers, Haze Batteries, stands, battery cubicles and power enclosures.

ENGINEERING PROJECTS AND CONTRACTS



ACTOM Industry, alongside ACTOM's Power Systems, the group's substation construction contractor, is ACTOM's systems integrator, responsible for turnkey projects for the electrical power, mining and manufacturing industries, as well as for public sector infrastructure.

ACTOM Contracting is a specialist electrical and instrumentation contractor serving a wide range of industries.

ACTOM Transport has a comprehensive turnkey capability in the fields of railway automation, signalling and control

systems and traction equipment systems and components. Transport comprises two trading units, namely:

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

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.

HIGH VOLTAGE EQUIPMENT



Backed by the resources and expertise of Alstom Grid's companies in more than 20 countries, **ACTOM High Voltage Equipment** is well placed to partner local customers in the design and implementation of power transmission infrastructure projects. It is the leading supplier of power products in South Africa.

MEDIUM VOLTAGE AND PROTECTION



ACTOM MV Switchgear is a leading local manufacturer of medium voltage equipment which complies with international standards. The products range includes: Indoor Switchgear Panels using vacuum technology, Outdoor Miniature Substations, Ring Main Units using SF6/vacuum technology, and Container-housed switchgear options. Other services include retrofitting of existing range of oil switchgear with new vacuum breakers, switchgear maintenance and engineering, and supply of imported switchgear sourced from technology partners.

ACTOM Protection & Control is a market leader in the supply of protection and metering solutions to the electrical industry. Our offering includes a comprehensive range of automation systems, protection relays, credit, smart and prepayment metering systems and hosted services as well as LV panels, components and accessories.

Current Electric is the leading manufacturer of current and voltage transformers in South Africa. The product range comprises current transformers up to 33kV and voltage transformers up to 22kV for use in medium voltage reticulation products. It has a very strong design capability with all products designed in-house and tested to the internationally accepted IEC standard. Transformers are supplied to individual customer specifications.

POWER TRANSFORMERS



ACTOM Power Transformers has manufactured power transformers for over 50 years. It manufactures transformers from 5MVA up to and including 315MVA with voltages up to 275kV. These transformers are supplied to electricity distribution utilities, the mining sector, industrial plants, public works authorities and turnkey contractors. The power transformers are mostly of the step-down type, equipped with on-load tap changers, either naturally cooled or, for larger units, incorporating forced oil and air-cooling.

DISTRIBUTION TRANSFORMERS



ACTOM Distribution Transformers designs and manufactures a comprehensive range of distribution transformers ranging from 16kVA up to 5000kVA for the local and export markets.

In close collaboration with utilities, municipalities, general industry, mining and the renewable energy sector, **ACTOM** has perfected a range of transformer solutions combining high performance, electrical suitability and compatibility with the natural environment.

ACTOM Distribution Transformers is accredited for ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007. The transformers are tested to the well-established SANS 780:2009 specification.

LH MARTHINUSEN



LH Marthinusen (LHM) is the market leader in the refurbishment of rotating machines, transformers and systems. LHM have facilities in Johannesburg, Cape Town, Durban and Phalaborwa. With its head office in Johannesburg, LHM's all-compassing facility comprises six focused business units: A fully equipped rotating machine repair facility, a totally self-sufficient transformer repair facility with capabilities up to 200MVA at 275kV, a component manufacturing business that produces a variety of electric motor and insulation sub-components, a Power Generation division specialising in hydro and thermal power alternators up to 250MVA, a marine division offering off-shore marine services and an engineering services division that provides on-site support for the entire product range, including transformer oil analysis and regeneration, on a 24-hour basis throughout Africa. LHM also has in-house capability to manufacture specialized motors and transformers.

REID & MITCHELL



Reid & Mitchell (R&M) is the largest repairer, manufacturer and exporter of electrical equipment for large mining excavators, off-highway vehicles, traction and oil & gas equipment. R&M is customer-focused supporting its industry 24/7/365 and maintains a large team of field service engineers.

Contact Engineering is the leading local manufacturer and refurbisher of commutators for use in the repair of DC motors and generators as well as traction motors and also manufactures a diverse range of electro-mechanical components that include slip-ring assemblies, flexible connectors, electrical contacts and brush holders.

Metalplus' core competencies include machining, grinding and micro-welding of all types of shafts and other mechanical components and its services include the manufacture of new shafts and the repairs of traction motors castings.

MARTHINUSEN & COUTTS



Marthinusen & Coutts (M&C) offers extensive coverage for rotating machines after-market services in Africa with representation throughout the continent. The range of 24/7 electrical and mechanical services includes: large and small AC and DC motors, flameproof motors, traction motors and power generators and turbines, compressors, blowers, pumps and gearboxes, decanters, centrifuges, filter presses and scrubbers.

The division provides a full range of engineering services including customized manufacture and design, 24/7 on-site services and unique motor, generator and turbine management and maintenance solutions.

M&C's power generation capabilities include minor and major repairs on any design or type of turbine, generator, stator or rotor, and have completed power generation projects up to 373MVA in Africa and across the globe.

WILEC



Wilec is Africa's largest manufacturer and supplier of input materials and technical solutions to the electric rotating machine, transformer and general industries. There are 3 operating divisions:- "Electrical", serving predominantly the motor and transformer industries with conductor, insulating materials and complementary products, "Mechanical", providing bearings and ancillary products for motors and general industry, and "Industrial", servicing the DIY, hardware and graphics industries with adhesive tapes and specialty films.

ELECTRICAL EQUIPMENT



ACTOM Electrical Products is ACTOM's trading and representation arm in Southern Africa, with thirteen strategically located branches stocking and supplying ACTOM products and other leading electrical equipment brands of cable, cable accessories, lamps, lighting equipment, heating and ventilation equipment, circuit breakers, distribution transformers, minisubs, electric motors, meters and fusegear.

Genlux Lighting boasts a range of locally produced high pressure die cast aluminium (LM6 grade) luminaires and are one of the largest local manufacturers of outdoor, commercial, industrial, floodlighting and roadway lighting. Genlux Lighting are compliant with the ISO 9001 QMS, while all luminaires carry the SANS 60598 safety mark including photometric data that is available across the range.

Appliance Components specialises in the manufacture and distribution of an extensive range of heating products, from small heating elements and controls for the electrical appliance manufacturing industries to large industrial heaters for the chemical, mining and other industries. Satchwell Solar assembles solar panels for heating of domestic water vessels and manufactures low pressure geysers for the agricultural and low income sectors. The appliance spares division imports universal products for the domestic appliance industry which are distributed around the country through Appliance Components' five trade counters. It also supplies refrigeration spares to the domestic, commercial and industrial sectors.

ACTOM ENERGY



ACTOM Solutions is a project business with front end engineering capabilities and technical expertise. It is able to provide customers with optimal solutions

through the integration of ACTOM's wide range of locally manufactured products as well as those from other leading suppliers, both locally and internationally. From C&I, protection and controls, automation, electrical installations, commissioning, auxiliaries, security and safety, black start standby power generation, MV electrical yards, condition monitoring including remote data logging, maintenance and repairs just to name a few. ACTOM Solutions can assist clients across a wide spectrum of industries in South Africa and Sub-Sahara Africa with most of their existing or new plant requirements.

hydron hydraulics is a Fluid Power and Motion business operating internationally in the offshore oil and gas sector. Hydron has established a strong reputation with leading rig operators for delivering "safely, on time and on budget" by using innovative mobile solutions such as fully equipped mobile workshops and stores. Hydron provides a multitude of services ranging from design, assembly, installation and commissioning of high pressure power pack, ring main installation, refurbishment of winches and cranes, refurbishment and installation of ballast systems, waterproof doors, drilling and subsea equipment. It is a certified premier distributor for Parker in the Western Cape.

Electrowave Cape, which operates both locally and internationally, provides the marine and offshore (oil & gas) sectors with high level electrical services, including power automation and drive systems, automation and instrumentation, electrical installation and engineering services. In addition to typical shipyard type projects, site engineering services personnel (BOSIET and CompEx certified) are available 24/7 worldwide to install and commission any type of electrical equipment and conduct various surveys required in terms of Maritime Classification Society.

Namibia Armature Rewinders, based in Swakopmund and Walvis Bay provides electro-mechanical repair services to all industry sectors, including repairs to low and medium voltage electric motors, generators, DC, traction motors and transformers, including on site oil filtration. Recently NAR with the support of ACTOM Energy in South Africa also developed local capabilities in Power Automation, Automation, Electrical Installations and Fluid Power & Motion to become a unique solution business in Namibia.