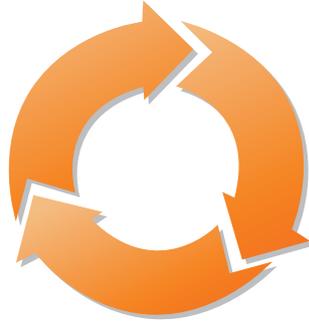


ABRIDGED CORPORATE PROFILE

MANUFACTURING



TURKEY PROJECTS



SERVICE

BRANCH NETWORK



RENEWABLE ENERGY

The largest manufacturer, solution provider, repairer and distributor of electro-mechanical equipment in Africa.

ACTOM

ACTOM divisions at a glance

ACTOM (Pty) Ltd is the largest manufacturer, solution provider, repairer and distributor of electro-mechanical equipment in Africa, offering a winning and balanced combination of manufacturing, service, repairs, projects and distribution through its 40 distribution 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



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

JT 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 320 t/h, for process steam and power generation applications.

JT 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.

ACTOM Air Pollution Control designs, supplies and constructs 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 18 MW for the mining, industrial, processing and utilities markets and offers a range of medium voltage variable speed drives compatible with its range of motors. It is a leading supplier of high specification as well as standard low voltage motors, gearboxes, speed reducers, motor starters and diesel generators. 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 several HVAC systems in the food industry. They are the local agents for Luwa Switzerland for textile air-conditioning systems.

Static Power design, manufacture and sell AC and DC engineered solutions to all specifications for the industrial market. Products include: standby battery chargers, (thyristor and switchmode) distribution boards, power supplies, rectifiers, DC/DC converters, DC/AC inverters, furnace control panels, capacitor trip units, solar regulators and battery trip units. All systems are designed and engineered to suit their purpose in order to ensure reliability and compatibility. We rectify the AC and convert the DC.

Alkaline Batteries, is the South African agent for ALCAD/SAFT nickel cadmium, Lithium Ion, Nickel Metal Hydrate batteries for 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 application design, sizing, and training.

Multi Power Systems is the turnkey company for standby power solutions supplying DC products, which include switchmode rectifiers, UPS systems vented and sealed, lead acid and NiCd batteries for the African market.

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:

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 specialised 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 product 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/supply of imported switchgear sourced from our technical partners.

ACTOM Protection & Control is a market leader in the supply of protection and metering solutions to the electrical industry. It provides a comprehensive range of automation systems, protection relays and schemes. Further, credit, smart and prepayment metering systems are provided, complemented by 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 33 kV and voltage transformers up to 22 kV for use in medium voltage reticulation products. It has a very strong design capability, all products are 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 5 MVA up to and including 315 MVA with voltages up to 275 kV. 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 16 kVA up to 5000 kVA 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-encompassing facility comprises six focussed business units: A fully equipped rotating machine repair facility, a totally self-sufficient transformer repair facility with capabilities up to 200 MVA at 275 kV, 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 250 MVA, 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. LH Marthinusen also has in-house capability to manufacture specialised 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 repair of traction motor casings.

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 customised 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 980MW in Africa, the Middle East, Asia and the Far East.

WILEC



Wilec is a leading supplier of input materials to the electrical motor and transformer repair and manufacturing industries to both local and international standards. Transwire is the largest manufacturer of enamelled magnet wire in Southern Africa.

It manufactures a complete range of magnet wire, rectangular and shaped conductor products.

ELECTRICAL EQUIPMENT



ACTOM Electrical Products is ACTOM's trading and representation arm in Southern Africa, with fourteen 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.

ACTOM Mechanical Equipment designs, manufactures and supplies fans, heaters and anti-vibration equipment into mining, HVAC, commercial and industrial applications. It has extensive experience in fan engineering for mine ventilation and industrial processes involving fans. The Arnot sub unit has the ability to engineer damping and vibration solutions for any application where vibration or noise is a factor. The HVAC and Xpelair sub units trade ventilation fans and heaters to the construction and building industry. ACTOM Mechanical Equipment trades under the brands FläktWoods, Xpelair, Redring, Tempadair and Arnot.

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.

Genlux Lighting is a leading designer and manufacturer of luminaires for roadway lighting, floodlighting, outdoor commercial lighting and industrial applications.

It produces a wide range of high quality products in this field and employs a team of expert designers to meet the

requirements of the market, with further design and product support available through a longstanding technological partnership it enjoys with a leading international designer and manufacturer of luminaires.

ACTOM ENERGY



hydron hydraulics is a hydraulic engineering company operating internationally in the offshore oil and gas sector. Over the years, hydron has established a strong reputation with top rig operators such as Transocean and Ensco for delivering "safely, on time and on budget" by using innovative mobile solutions (HUET certified personnel) such as fully equipped mobile workshops and stores. hydron provides a multitude of services ranging from the 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. hydron hydraulics 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, our site engineering services personnel (HUET certified) is available 24/7 worldwide to install and commission any type of electrical equipment and conduct various surveys required in terms of Maritime Classification Society. Electrowave was recently commended by Transocean for successfully completing the complex draw-work automation and drive upgrade on the Deep Water Expedition in Singapore.

Namibia Armature Rewinders, based in Swakopmund, provides electro-mechanical repair services to all industry sectors, including repairs to low and high voltage electric motors, generators, DC and traction motors and other rotating equipment.