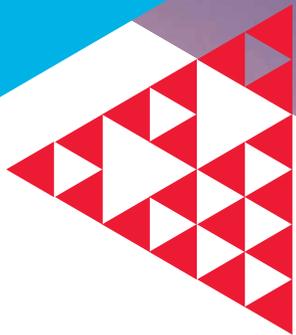


- + MECHANICAL ENGINEERING
- + ELECTRICAL ENGINEERING
- + CIVIL ENGINEERING
- + GENERAL BUILDING
- + COMMERCIAL MAINTENANCE
- + AIRCONDITIONING
- + PLUMBING
- + ESCALATORS, ELEVATORS & AIRWALKS

COMPANY PROFILE 2018



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INTRODUCTION

INTRODUCTION

Falcon Projects was established in 2012 and it's a 100% black owned company with BEE level 1. Falcon intends to provide mechanical, civil engineering, electrical engineering, general building services. We also have a maintenance department for air conditioning, refrigeration, electrical and plumbing.

The company has several permanent associates in all fields. The company is based in the Gauteng province, with plans to expand to other provinces in the medium to long term.

For the organisations to consistently achieve their objectives they need to have a quality management system place that has been consciously established rather evolving by chance. This requires top management to view the organization as a complete system.

Our integrity reflects in our reputable productions, mutual trust and an open fair dealing. Our commitment is to produce the best service ever as well as protect and promote our clients' interests. Clients can count on us for experience, reliability, convenience, professionalism, competitiveness, versatility and value for money in services rendered by us.

► BUSINESS STRATEGY

We are a primary mechanical, electrical, civil and Structural engineering company, having a well-established division of repairs and maintenance. The company is based in the Gauteng province, with plans to expand to other provinces in the medium to

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long term.

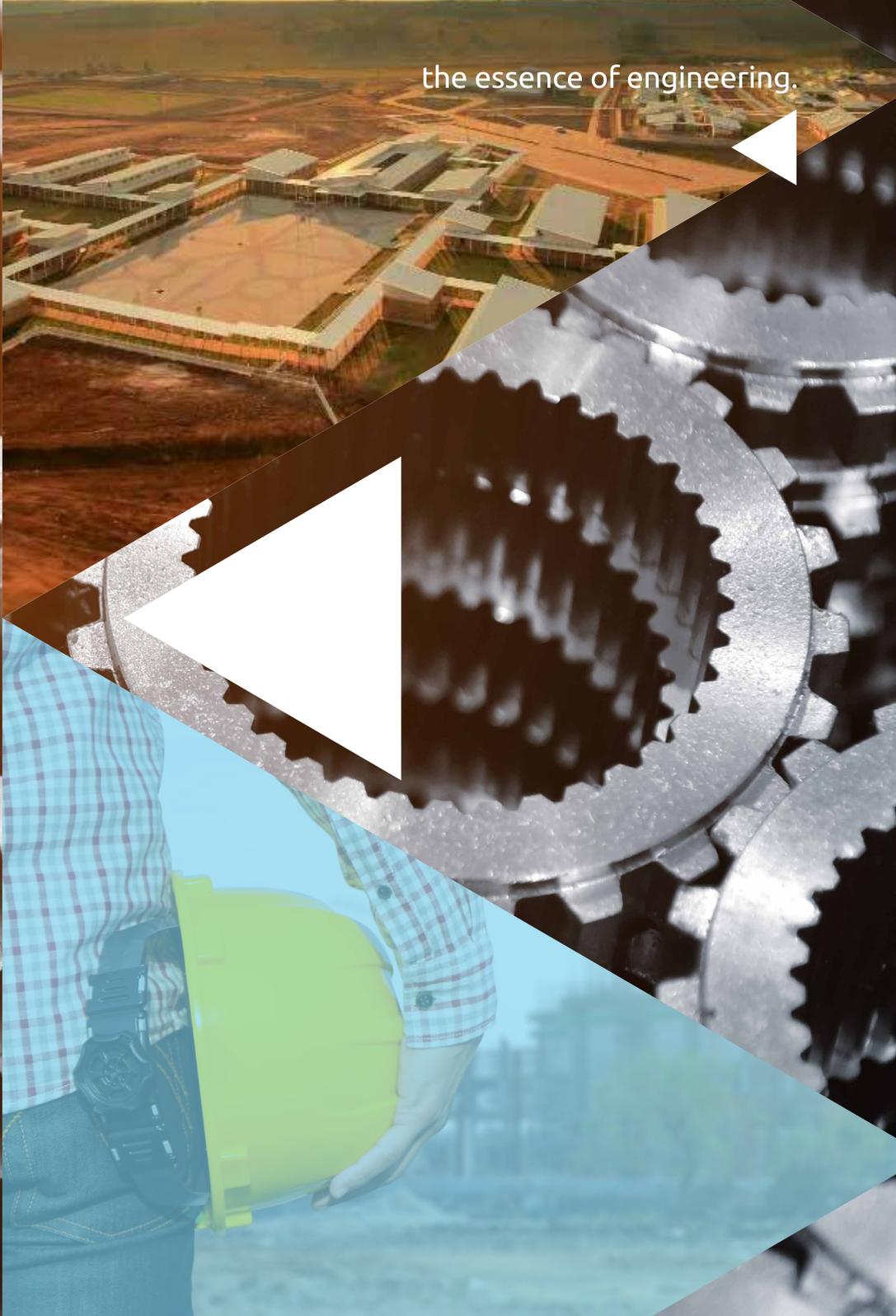
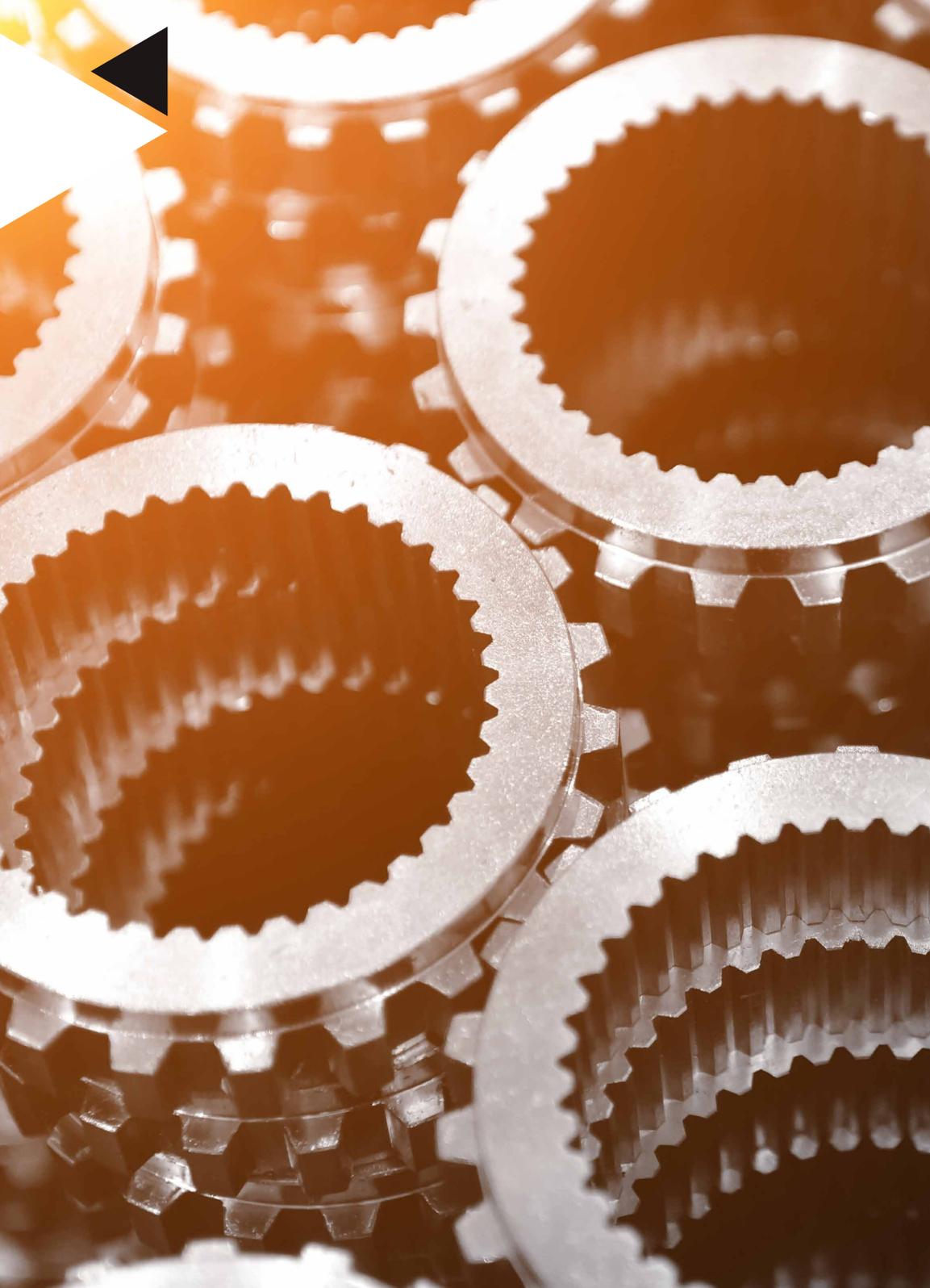
FALCON PROJECTS is an amalgam of professionals who have experience in the construction sector and have pooled resources and expertise to form a single entity that will offer scale and mass to compete in this dynamic construction sector. The company is made up of historically disadvantaged individuals (HDI's). The company was formed with the primary objective of creating a sizable empowerment vehicle which has experience or garners support to be able to deliver on medium and large sized projects without hassles. The owner of the previous companies is thus shareholders and director in the enlarged company. Other skilled professionals have also been recruited to drive the growth of the company in an executive and non-executive role.

► VISION

We strive to enhance the engineering and construction business contribution to growth, reducing poverty and socio-economic inequity and in turn, make an important contribution to black economic empowerment in South Africa and the surrounding region. We aim to provide a professional and cost-effective service to our clients and thus become a force to reckon with in the Engineering and Construction. We aim to be a respectable building contractor.

► MISSION

FALCON PROJECTS is an Engineering, Building Construction Company that provides an array of engineering related tasks. It aims to ensure that projects are completed on time and within a set budget while providing and conducive environment in which our contract partners can develop their external and internal capacities. It is also committed to a just, peaceful and stable society built on individual rights and responsibilities, an enduring democracy, a growing economy with effective and just market economy and the sustainable development of all South Africans. (We shall also endeavour to play an active role in the social transformation and upliftment process in South Africa)



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MECHANICAL ENGINEERING

MECHANICAL ENGINEERING

Falcon Mechanical Engineering Division remains at the forefront of trends and technological developments in our industry.

► Our service includes:

- Air conditioning and mechanical ventilation
- Air conditioning and mechanical ventilation
- Central heating and centralized hot water generation
- Boiler installations and steam distribution
- Lifts and escalators
- Kitchen equipment
- Materials, waste handling and conveying systems
- Pumping installations and fluid reticulation for mechanical installations
- Environmental impact assessment and management of mechanical installations
- Wet service design

From analysis to strategy to execution, our professionals see you through projects from start to finish. Expert project engineers at the concept and design phase manage the procurement and construction phase. Construction coordinators carry the project through to completion, turn-over, commissioning and project close out. Our talented professionals utilize a variety of design and performance tools, analytic software, drafting, CAD, and Building Information Modelling (BIM) to provide the analysis and documentation needed for your projects, today and tomorrow.

► OTHER RELATED SERVICES

- Plumbing, Medical Gas and Process Piping
- Fire Protection Systems.
- Heating, Ventilation, and Air-Conditioning (HVAC)

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- Boiler and Chilled Water Plants
- Petroleum Storage and Handle Systems
- Direct Digital Controls Systems
- Indoor Air Quality (IAQ) Studies
- Condition Assessment Reports and Investigations

► MECHANICAL ENGINEERING REPAIR and MAINTENANCE DIVISION

One of our primary areas of specialisation is heating and cooling. Our seasoned staff of skilled service technicians is experienced in all areas of plumbing, heating, air-conditioning, commercial refrigeration and air handling – including motor and electrical repair, and computerised control systems. Decades of service experience allow our certified technicians to recommend proactive preventative maintenance schedules, often anticipating repairs needed to minimise more expensive repairs and costly system downtime.

Service agreements are tailored to meet the customer's individual needs, ranging from basic preventative maintenance to comprehensive systems coverage. Whether you need scheduled preventative maintenance or emergency repair, our radio dispatched service fleet is available to meet your service needs 24 hours a day.

► OUR OBJECTIVE:

To free you and your resources to concentrate on your core business while we efficiently render professional services and maintain a competitive *edge*.

COMMERCIAL AIR-CONDITIONING SUPPLY INSTALLATION AND MAINTENANCE

We offer our customers a wide range of products within free cooling, power housing, and control systems. Due to the rising temperatures that we are experiencing air-conditioning being more affordable than a few years earlier, there is positive growth in the market.

Pricing in our products as always well as quality service plays a major role in your business and is the key to success. We have a positive attitude towards competition in the market and feel that is the best way to stay motivated and to perform at our best.

► SERVICES INCLUDE:

- We install any size Air-con from split systems to multiple VRV units and chili plants.
- We install, service, repair and maintain a large variety of refrigeration units.
- We office service, maintenance and installations of commercial heating systems.
- We service any type of air-cons and any type of domestic and industrial fridges.

► CHILLER PLANTS

MAINTAIN AND REPAIR

Maintenance and repair of building systems is critical to protect your capital investment of your equipment, optimise energy efficiency and satisfy occupant comfort. When systems go down or lose efficiency due to lack of maintenance, operating costs increase. We service all brands of systems with a high level of customisation to meet your budget and operational requirements.

MAINTENANCE AGREEMENTS AND REPAIR SERVICE OPTIONS

We offer a wide range of service agreements from basic inspection agreements all the way up to deluxe service packages where we take care of everything.

Inspection agreements: annual, quarterly, yearly maintenance check-ups and more.

We can even customise periodic inspections on the components you designate, when you want them.

► SERIES 5 ROOFTOP HVAC UNITS

Offering efficiency, reliability and comfort for your building. If your internal space is limited, rooftop units maintain temperature control without an intrusive footprint inside your building. Our units are flexible products that can be installed in a range of locations for a variety of applications.

Series 5 HVAC units can not only be curb mounted on a roof, but also adapted for slab mounting at ground level and for setting on steel beams above a finished roof. The flexibility makes installing your HVAC equipment quicker and easier, putting green credentials and energy efficient cooling within the reach of every single building.

► THE SERIES 5 PRODUCT RANGE INCLUDES:

- Cooling only
- Cooling with gas heat
- Cooling with electric heat

Every Series 5 HVAC unit can be tailored to your specific applications with a wide variety of field-installed accessories. We also pipe, wire, charge and test every unit at the factory to simplify the installations upon arrival.

► SERIES 5 HVAC UNITS ALSO OFFER:

- HFC-410A Refrigerant for environmentally responsible operations
- Cooling efficiency is 13 SEER and heating efficiency is 80% SSE
- Cooling capacity: 3 to 5 tons
- Heating capacity: 40 to 80 MBH output
- Easy and low-cost installations
- Cooling only or cooling with gas or electric heat.

To find out more about improving efficiency with Series 5 HVAC units and other

HVAC equipment, please contact our friendly agents.

MID WALL SPLIT UNITS

A mid wall split unit is the most popular and can easily be installed in even the smallest of spaces. It is most commonly used in homes and small businesses. Offering both heating and cooling functions. Mid wall units are designed to be very quiet. These units come in various sizes and models like white finish (mod look) Flat panels, Health Plasma – mirror finish which carries more features and finally DC inverter which is top of the range (Reduces Electricity usage by 50%)

CEILING CASSETTES

Ceiling cassette units are primarily used in commercial environments, like restaurants, hotels, offices and meeting rooms. It has a compact design and is equipped with many features. It has four louvres to circulate the air around the whole room. It varies in sizes from 9000BTU upwards.

UNDER CEILING UNITS

Depending on the available space, this unit can be installed either standing floor or mounted on the wall below the ceiling like a high wall split unit. It is remote controlled, very quiet and powerful. Sizes range from 18000BTU upwards.

DUCTED HIDEAWAYS

Ducted Hideaway units offer a cost-effective solution for multi room air conditioning applications. The unit offers a larger heating and cooling capacity than mid-wall units. And mounted into the ceiling hidden from the eye, consisting of one or more vents in each room and therefore there has no indoor unit mounted on the wall. These units range from 18000 to 100000 BTU's in size.

PORTABLE AIRCONDITIONERS

- For people on the move...
- Automatic operation
- Auto start and shut down timer
- 3 speed fans
- Remote control
- Water tank does not require emptying

► AIR CONDITIONER AND REFRIGERATOR MAINTENANCE

We employ a team of skilled-technicians who have extensive knowledge of comprehensive repair services to ensure highest quality of work with guaranteed satisfaction.

Clients can get benefit from our services around Gauteng and surrounding provinces. We deliver all kind of domestic as well as commercial repairing services for all your ailing appliances.

COMMERCIAL MAINTENANCE

Falcon Projects offers our clients a full turnkey commercial, public and industrial property maintenance management service.

We have enjoyed the success of maintaining military facilities, governmental buildings, hospital facilities and many more over the passed years.





ELECTRICAL ENGINEERING

Falcon Electrical Engineering Division was founded on its in-depth expertise and authority in the field of electrical systems design for infrastructure that generates, distributes, and utilizes electrical power – as well as systems for controlling and monitoring power.

For nearly 5 years I will firm has been providing specialized electrical engineering services to other engineers for the design of civil architectural projects as well as direct support to industrial and municipal clients for all aspects of power distribution and emergency power generation.

Our people come from all over Southern Africa, with a broad diversity of educational and professional backgrounds. They all share passion for delivering quality solution and a drive to have significant impact in the world.

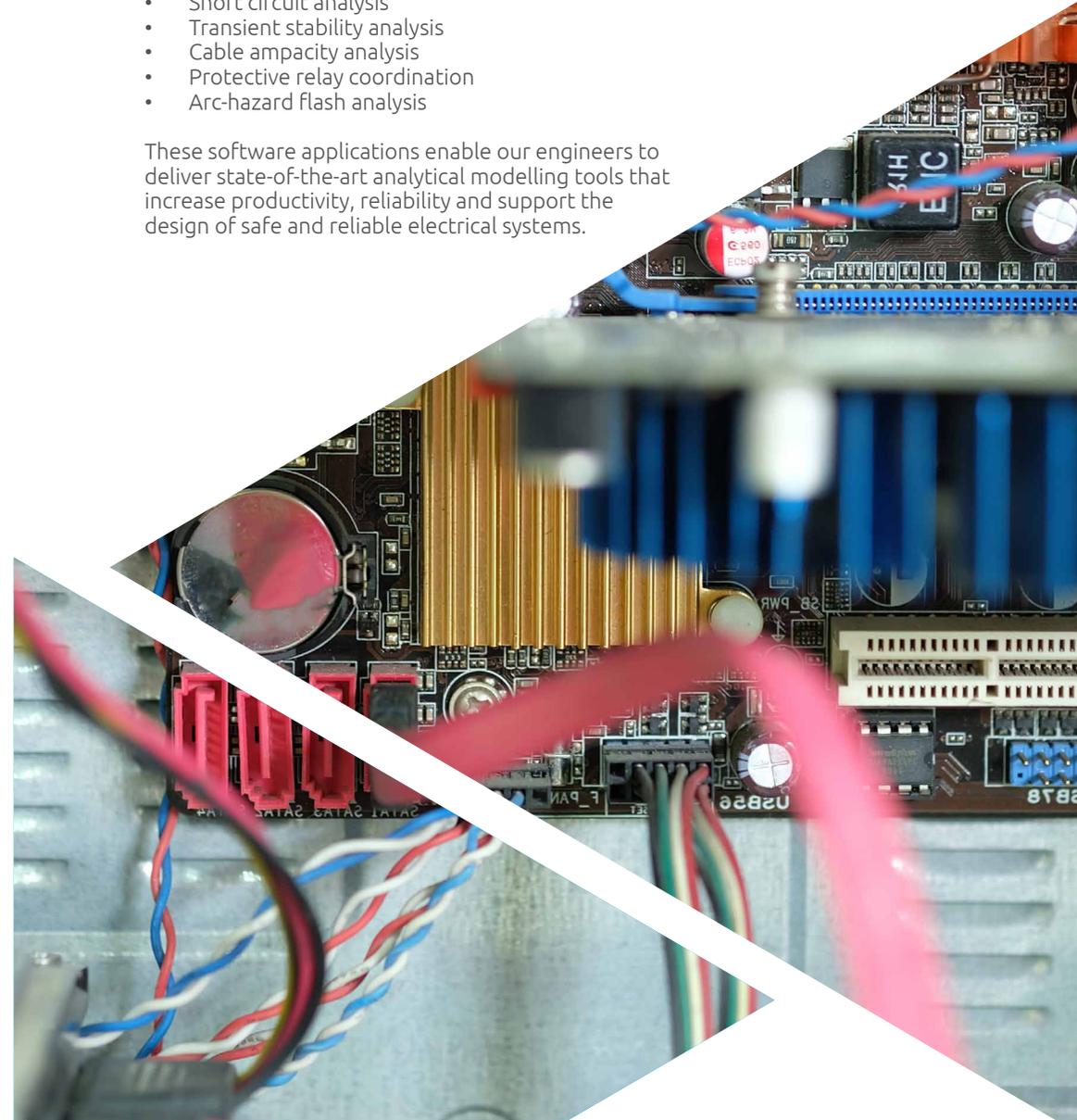
► OUR ELECTRICAL ENGINEERING SERVICES INCLUDE:

- Generators
- DB boards,
- Power stations
- Power transmission and distribution systems
- Medium voltage switchgear
- motor control centres
- power factor correction
- emergency power and transfer systems
- uninterruptible power supplies
- surge suppression and lighting protection
- lighting systems
- life safety protection systems

Falcon Engineering's computer modelling specialists are trained and certified in the latest electrical software solutions to perform:

- Load flow analysis
- Short circuit analysis
- Transient stability analysis
- Cable ampacity analysis
- Protective relay coordination
- Arc-hazard flash analysis

These software applications enable our engineers to deliver state-of-the-art analytical modelling tools that increase productivity, reliability and support the design of safe and reliable electrical systems.





Worker in safety gear standing on a concrete foundation.



CIVIL ENGINEERING

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CIVIL ENGINEERING

Our logistic services and solutions are tailored to our customer's specific requirements, supported by a team of dedicated experts, drivers and engineers. We are compliant with all health, safety and security regulations.

Falcon civil engineering division services as a vast domain covering planning, designing and construction of infrastructure such as commercial and transportation infrastructure including roads, bridges, railways; water distribution system such as dams, canals, sanitation, environmental infrastructure like landscaping, city planning parks; industrial infrastructure; construction management; construction engineering and a lot more of the tremendous growth of economy all over the world, there is the need to implement cost-effective yet efficient civil engineering and construction engineering practices in order to meet the mounting needs while meeting budget and time constraints.

► OUR CIVIL ENGINEERING SERVICES INCLUDE:

We offer a complete range of civil engineering services that are complemented by a mix of allied services to meet your needs flexibly. Our services include:

- Internal Roads
- Roads Construction
- Roads Maintenance
- Road Upgrades
- Bulk Services
- Bulk Water
- Bulk Sewer
- Dam Construction
- Reservoirs
- Sewer Treatment Plant



- Environment Engineering
- Water resources engineering
- Industrial Engineering

The advantages offered by Falcon Civil Engineering Division for civil engineering projects:

- A complete range of professional and cost-effective offshore civil engineering services including construction management, primary surveying and, planning from a single source.
- Faster turnaround for rapid execution of construction engineering projects.
- A team of qualified civil engineers who have complete knowledge of standards and in different countries and have worked the top most construction companies worldwide.



CIVIL ENGINEERING



GENERAL BUILDING



GENERAL BUILDING

GENERAL BUILDING RENOVATIONS AND UPGRADES

At Falcon General Building Division, we offer a comprehensive range of general building services regarding all aspects of your property, whether it is an upmarket cluster or a freestanding house or a multi-unit complex development.

Our team of construction experts are fully qualified and have years of experience under their tool belts. This enables us to take on every aspect of a project, from conception right through to completion.

We conduct risk assessments before carrying out any job and our working practices meet exacting health and safety standards. In addition to all building, plastering, tiling and decorating, our highly-skilled team of professionals is also qualified to carry out plumbing and electric work. Falcon General Building Division has positioned itself and has a well-tracked record.

We specialise in the building construction of new homes, warehouses, garden cottages/ granny flats, dealerships and shopping centres. Renovations of old houses (face lifts) and alterations to dwellings. Whether it is to add on a new room or bathroom to a double story construction project, we oversee everything from staff management, quantity surveying to project management and all concerns regarding safety.

Our General Building Services include:

- Schools
- Commercial and residential properties
- Bridge
- Concrete structures
- Hospitals
- Offices
- Hotel and student residents
- Steel Structures
- KITCHEN EQUIPMENT SPECIALIST



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As professionals in our field, we are adept at kitchen extraction systems and industrial ventilation. A kitchen extraction system is a vital component of any kitchen space; its purpose is to allow the heat and grease generated by cooking equipment and processes below the canopy, as well as harmful fumes to exhaust to the atmosphere.

This allows for cleaner, less dense air while you or your staff is cooking. It is also far healthier to cook or prepare food in this manner. To this end, we install and repair a wide range of extractor canopies and hoods, either in stainless steel or galvanised steel; whichever is most suitable for your space.





KITCHEN EQUIPMENT SPECIALIST

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ELEVATORS REPAIRS and MAINTENANCE

We also offer excellent elevator maintenance and repair services to our highly esteemed clients. These are inspected by our team of highly skilled experts from time to time for smooth operations and checking compatibility of heavy load efficiency. The maintenance services involve the inspection of models of commercial elevators and their accessibility systems. The process of inspection is carried by a team of technicians who are quite familiar with all makes and models. Our services are offered at market leading rates.

► COMMERCIAL ELEVATORS

- We have learned enough specialisation in offering commercial elevators which included a worm and a wheel reduction gear included in a suitable substantial cast iron casing and working in all baths. They are built with the help of excellent technology and its electric motor is specially designed for lift work to give ample starting torque and specially insulated to withstand tropical conditions. These commercial elevators are strong, have long life and offer optimum usage.

► AUTOMATIC ELEVATORS

- We have gained enough momentum in the industry and are offering automatic elevators, which are technically enhanced and offer trouble free operations for long periods. These products are developed as per leading market guidelines and are completely user friendly. They have long lives, are strong, are easy to operate and require minimum assistance in operation. They are highly preferred by customers.

► MANUAL ELEVATORS

- We have gained footholds in the market and are offering superior quality manual elevators, which could be manually controlled using hydraulics or they can be power operated. A manual lift can be used with two persons or one person. Our manual lifts are built with the help of top notch technology and can deliver maximum lifting powers with minimum efforts. It is built in a unique manner so that the arm requires minimal force to lift the blade, thus, reducing operator fatigue. It could be simply and easily detached along with the entire assembly. Plus, we offer affordable rates.



► CAPSULE ELEVATORS

- We have gained enough specialisation in providing high quality capsule elevators that are specifically designed to suit the requirements of retail malls, residences, offices and hotels. These are developed from effective materials and the latest technology; and are offered in different sizes, specifications, shapes and capacity.

► MRL ELEVATORS

- We are highly acclaimed for our effective varieties of MRL Elevators that do not require any machine room and save space. They are designed as per the latest market techniques and usually have higher rates of travel than traditional hydraulic elevators. Also, these are appreciated for their long life, strength, reduced motor-size, maximum performance and weight.

► GEARLESS ELEVATORS

- We are appreciated for our great variety of gearless elevators which have been built from supreme technology. They have flooded the market and are renowned for their quality, longevity, optimum performance, usage and competitive rates. Plus, we are known to cater effectively to the demands of customers.

► GOODS ELEVATORS

- Our company is engaged in offering a comprehensive range of goods elevators that is designed in compliance with industry standards. These are commonly used for lifting and transporting heavy goods in an easier and quicker way. Known for durability, load-bearing capacity, flexibility and cost-effectiveness, these find application in industrial manufacturing plants, warehouses, shopping complexes, etc. Moreover, these can also be designed as per the details provided by clients for maximum client satisfaction.

► ESCALATORS AND AUTOWALK

- We are one of the most prominent manufacturers and exporters of escalator and autowalk that is made using the latest technology and machinery. These are equipped with the best designs and automatic functions. Our range of

escalator and autowalk are highly acknowledged for their safety features, reliability, visual design, space savings and environmental performance. These are equipped with automatic lubrication systems, rubber wheels, fault display, stainless steel skirt guard, deck cover and landing plate. Our clients can avail these unique products at most affordable rates.



ELECTRIC REPAIR and MAINTENANCE

Light Commercial and 3 Phase Supplies

ELECTRIC REPAIR and MAINTENANCE

► LIGHT COMMERCIAL AND 3 PHASE SUPPLIES

If your business unit or commercial premises requires extra lighting or additional 3 phase socket outlets, then our fully qualified and experienced electricians can carry out any such alterations or additions to your premises.

DOMESTIC SERVICES

- New build electrical design and installation
- Garden and garage power supplies
- Kitchen, bathroom and full rewires
- Lightning design and installation
- Extra sockets both inside and out
- Move or install new light fittings and switches
- Outside lighting
- Smoke alarm installations
- Electric heaters installed
- Full electrical system check and certifications
- Fault finding and Repair
- Security

INDUSTRIAL SERVICES

- Single and 3 Phase systems including panel boards
- Warehouse and factory lighting
- Design service

- Installation of bus bar trunking for power and lighting
- Installation of SWA (steel wired armoured) cables
- Cable tray systems
- Galvanised trunking
- Steel and PVC conduit installations
- 110V supply systems
- NICEIC test and inspections
- PAT testing
- Emergency lighting
- Security/ outside lighting
- Maintenance

COMMERCIAL SERVICES

- New builds
- Factory wiring and rewiring
- Installation of machinery
- Office rewires and alterations
- Shop fitting
- PAT testing
- Annual safety inspections and testing
- Security

SAFETY AND SECURITY SYSTEMS

- Security lights check fitted or installed
- Burglar alarms fitted
- Emergency lighting installed and tested
- Expand fire alarms
- Smoke alarm installation
- CCTV installed and inspected
- Intercoms installed
- Door entry systems

INSPECTION AND TESTING

- PAT (Portable Appliance Safety Testing)
- Fixed equipment safety testing 3 phase and single phase
- 3 phase sockets
- 110 Volts equipment and cables
- Full electrical system check and certification
- Fault finding and repair
- Landlord inspections/ periodic testing
- Insurance reports
- Realty / rental plumbing services
- Fixture installations (water heaters, sinks, tub installation)
- New water service installation and re-routing
- Low or not enough water pressure problems
- Sewer video locating and inspections
- Whole home remodelling
- Winterise and de-winterise home
- Home and commercial hydro jetting of drain lines
- Sewage ejectors and sump pumps
- Copper and PEX re-piping
- Water filter installation and repair

PLUMBING

Falcon projects is a name you can count on when it comes to your plumbing projects. We employ only the most knowledgeable and experienced electricians and plumbers in the country.

This process of skills procurement ensures that your electrical and plumbing needs are properly taken care of, whether they be residential or commercial.

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SYSTEMS & AFFILIATIONS



SYSTEMS

► QUALITY MANAGEMENT SYSTEMS

For the organizations to consistently achieve their objectives they need to have a quality management system place that has been consciously established rather evolving by chance. This requires top management to view the organization as a complete system; a set of interrelated processes which includes tasks, resources, and consistent behaviours, all working towards organizational objectives.

Falcon Projects takes control of the various policies, procedures, and work instructions specific to each organization, to ensure they meet the requirements of ISO 9001.

► ENVIRONMENTAL MANAGEMENT

Falcon projects Environment Management Systems (EMS) is designed for managing the impacts of an organizations activities on the environment. Falcon Projects provides a structured approach to planning and implementing environment project measures.

Falcon Projects monitors environmental performance, like the way a financial management system monitors expenditures and income and enables regular checks of a company's financial performance.

We integrate environmental management into a company's daily operations, long-term planning and other quality management systems.

► HEALTH AND SAFETY MANAGEMENT SYSTEMS

Falcon Projects Occupational, Health, and Safety Management services provides an organization the correct tools to effectively manage and comply with Occupational Health and Safety (OHS) requirements across the organization.

Our health and safety offices have helped numerous organizations in South Africa to understand and become compliant with international safety and quality specification over the years.

Our officers have extensive experience and knowledge in various fields and specifically in Industrial and Systems Engineering regarding environment, quality, project management, supply management, occupational health and safety as well as business solutions.

We furthermore provide various training programs which focus on improving knowledge regarding business processes, specifications, legislation and compliance. Using our consultancy services, companies have been able to improve their existing process and safety policies to ensure compliance with international standards.

► AFFILIATIONS

CIDB
NOSA
SANAS
NHBRC
BEE

CIDB GRADING LEVEL: 8GB PE,
8 ME PE, 8EP PE, 8 CE PE

BEE STATUS LEVEL 1

AFFILIATIONS & CLIENTS

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**OUR COMPREHENSIVE LIST OF CLIENTS
INCLUDES, BUT IS NOT LIMITED TO:**

**DEPARTMENT OF PUBLIC WORKS
DEPARTMENT OF DEFENCE
RANDWATER BOARD
COENG**



PROJECT PORTFOLIO

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