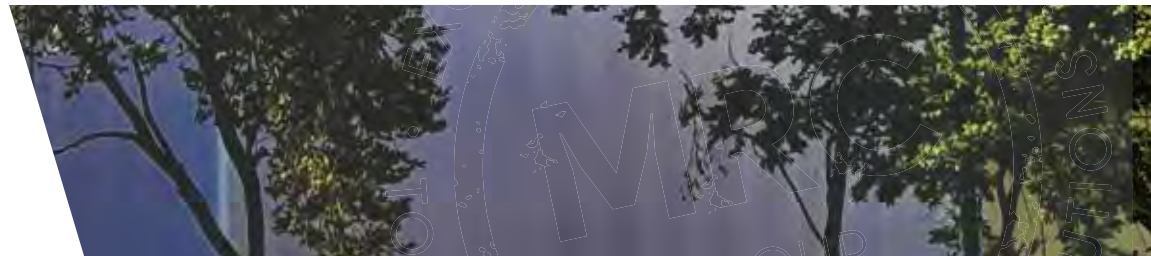




COMPANY BROCHURE



EXCELLENCE IN TOTAL BUILDING
ENVELOPE SOLUTIONS





“MRC Group is proud of its reputation of lifting standards in the construction industry, but we are more proud of our ability to improve spaces, neighbourhoods and lives.

MRC Group are real people with real solutions.”



WHO ARE THE MRC GROUP?

MRC Group is a specialist contractor providing industry leading solutions to our clients, we pride ourselves in offering our customers a unique, integrated service, offering cutting edge and innovative solutions for the new build & refurbishment sectors. We proudly work with property owners, facility managers, architects, quantity surveyors and landlords, delivering turn-key solutions that make up the entire internal and external building envelope from roofs to walls, internal façades to partitions. By working closely with our clients to provide innovation from the earliest design stages through to final installation, and maintenance, we provide you with design freedom, cost efficiency, sustainability and distinctive individuality, from a single source.

MRC Group prides itself on the fact that we have a vast base of construction experience and solution offerings that compromise of the following competencies:

- Metal Roofing & Cladding
- Architectural Cladding & Façades
- Green & Renewable Technologies
- Waterproofing Membrane Systems
- Liquid Applied Waterproofing Solutions
- Passive & Active Fire Protection
- Turn-Key Refurbishment
- Ceilings & Partitions
- HVAC - Heating, Ventilation and Air Conditioning
- Flooring & Finishes
- Electrical Services
- Guardian System Warranty

MRC Group has three strategically located regional offices which enable ourselves to be geographically capable to timeously meet our clients needs. MRC Group has an immense wealth of sales, marketing, business and project management experience coupled with a strong ISO compliant management system. With many years of collective experience in construction, engineering, fabrication and manufacturing, process engineering, project management and problem solving – MRC Group’s vision of establishing an International brand over the next 10 years is founded on our singled minded approach of providing our customers with the best customer service in the market place, from enquiry through to delivery. Our ‘Can Do’ philosophy is further backed a strong competency in Health and Safety.



MRC GROUP IN-HOUSE COMPETENCIES

	<p>MRC METAL ROOFING Excellence in the refurbishment of lightweight steel frames, metal roofs, cladding and façade systems.</p>
	<p>MRC WATERPROOFING Excellence in liquid applied, mechanically fixed / torch-on membrane and specialist waterproofing systems</p>
	<p>MRC GREEN BUILDING Excellence in innovative green solutions such as green roofs, living walls and rainwater harvesting systems.</p>
	<p>MRC FIRE Excellence in smoke ventilation, fire walls / ceilings, penetration sealing and protection coatings.</p>



Whilst our focus has been on achieving excellence in 'turn-key,' single source refurbishment solutions to industrial, commercial and retail property, our growing reputation for delivering the highest quality installations in the safest manner, in South Africa, has meant that we also have the capacity to fulfill the role of main contractor.

	<p>MRC REFURB Excellence in internal refurbishment from white box activities through to tenant installations and internal fit-outs.</p>
	<p>MRC ENERGY Excellence in industrial, commercial and retail electrical installation, repairs and upgrades.</p>
	<p>MRC AFRICA Excellence in delivering projects in the governmental sphere as a Level 2 BBBEE contributor.</p>
	<p>GUARDIAN SYSTEM WARRANTY Excellence in design assist, installation, maintenance and system warranties.</p>



REGISTERED ASBESTOS CONTRACTOR

MRC Group's in-house, experienced and certified asbestos handlers are equipped to meet our client's specific requirements, from building refurbishment to demolition of structures and to the surveying of sites, enabling our clients to meet their regulatory obligations. MRC Group can help to effectively manage the risk by either the removing or containing the asbestos.

- Asbestos roof and cladding sheeting, gutters and downpipes.
- Asbestos lagging, pipework, tiles, back and lino.
- Inspection and survey of contaminated soil.
- All complete with AIA asbestos air monitoring services.
- All Asbestos materials to be disposed at an approved dumping site and the safe disposal certificate to be provided.



ROPE ACCESS

MRC Group have an in-house team of determined, qualified and experienced rope access practitioners, trained to the highest standards to get to those areas on a project that are hard to reach. We welcome the challenge to find innovative solutions to the problems of constructing and maintaining high and difficult to access structures.

- Abseil teams that specialize in the cleaning of glazed buildings.
- Inspection and reporting for clients and professional teams.
- Installation of cladding, glazing and polycarbonate sheeting to vertical face structures.
- High level maintenance such as concrete repairs, weather sealing, application of specialist coatings etc.
- Emergency repair solutions at heights.





HEALTH & SAFETY

MRC Group is committed to providing a safe and healthy work environment for its employees, subcontractors, clients and stakeholders by conducting its businesses in a safe and considerate manner. Health & Safety is at the core of the MRC business, recognising our responsibilities under the current and relevant Health and Safety legislation.

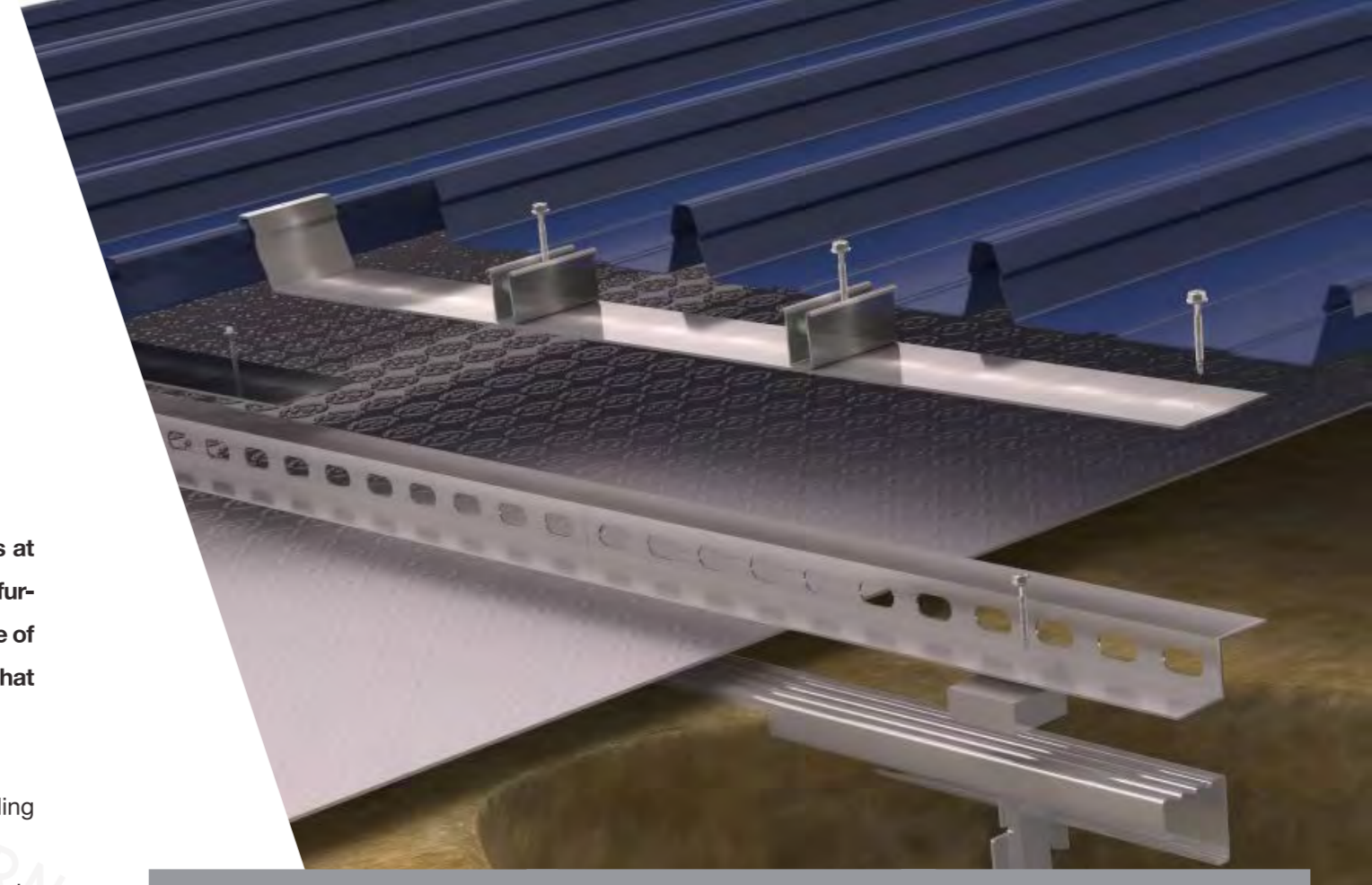
- All staff who work at heights have at least a valid medical and a working at heights qualification.
- All management, in addition to working at heights certification are trained in Hazard Identification and Risk assessment (HIRA), Accident and Incident Investigation, Fall Protection Planning.
- All life lines are installed by suitably qualified personnel.
- Our Health and Safety plans are generated in-house, specific to the site we're working on.
- MRC's MD and project managers are all technical members of SAIOSH further cementing our commitment to Health and Safety.



GUARDIAN ASSIST

Guardian™ Assist can be used on new build projects at the earliest stage of design, or retrospectively on refurbishment projects. Guardian™ Assist provides a range of specification tools and inspection services to ensure that excellence is achieved.

- Auditing service of the existing building performance.
- In-depth technical specifications for the whole system.
- Comprehensive standard CAD details with REVIT / BIM modelling to follow.
- Standard Bill of Quantity templates with accurate budget quotations.
- Technical advice on multiple system integration.





GUARDIAN MAINTENANCE

The Guardian™ Maintenance service or building service plan, ensures that the material guarantees remain valid for the length of term of material guarantee. Just like a car, it is essential that all internal or external building envelope systems require a recorded maintenance or service plan, to ensure compliance with the small print of the material manufactures / suppliers guarantee.

- QCP system in line with the manufacturers / supplier's recommendations.
- Checking of the external or internal building envelope system to make sure it is operating as it should do.
- Regular recorded maintenance.
- Complete external and internal building envelope sign off.
- Integrated maintenancesoftwarepackageforbothreactive and planned maintenance including access to the Guardian™ Helpdesk.



GUARDIAN MAINTENANCE

The continued use of Guardian™ Maintenance, throughout the length of term of the material's guarantee, is the 3rd key part to achieving a valid Guardian™ System Warranty that will protect the long-term operational life of the external or internal building envelope system.

- In-house services to provide full turn key maintenance offering.
- Ensuring the fine print of material guarantee are complied with.
- Bridging the gap between short term workmanship warranties and long-term material guarantees.
- Long term maintenance backed with a transferable warranty.
- All aspects of the external and internal building envelope including certificate of compliances.





METAL ROOFING REFURBISHMENT SOLUTIONS

Metal roof systems provide the client a large spanning, lightweight covering to ensure that water does not enter the building below. MRC Group offers the largest range of profiles and systems to suit thermal, acoustic, fire, aesthetic and structural performance.

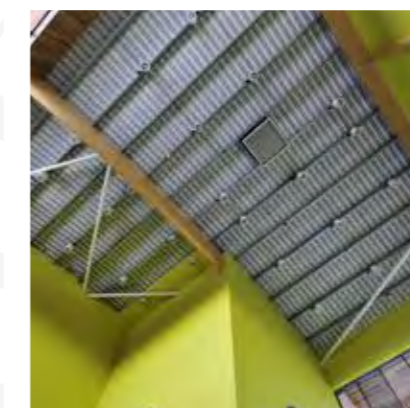
- Secret Fix roof profiles such as Novotexi, Kliplok, Saflok and ProLok.
- Pierced Fix roof profile such as IBR, Widespan, Widedeck and TuffDeck.
- Traditional profiles such as TradZinc in zinc, copper, zinalume and steel materials.
- Acoustic absorption, rain drumming reduction and thermally efficient roof systems.
- High security and high resistance to wind uplift solutions.



METAL ROOFING REFURBISHMENT SOLUTIONS

MRC Group's refurbishment of existing metal roof systems can extend the life of the existing material whilst having a positive impact on the environment by reducing the carbon footprint.

- Strip and re-sheeting including insulation replacement.
- Over-roofing with the structural AshGrid bar & bracket support system.
- Lightweight steel flat to pitch conversion and increase the pitch of low roofs.
- Upgrade soffit overhangs to resist wind uplift.
- Enhance and protect existing gutters and assist rainwater management.





ARCHITECTURAL CLADDING & FACADES

Insulated cladding or ventilated façade systems are the areas of the building that are most viewed by customer and the close attention to the finishing details can render a project successful or ill-conceived. MRC Group prides itself on its minimalistic perimeter, penetration flashings and considerate closures.

- Trapezoidal and sinusoidal cladding systems roll-formed in steel, aluminium or zincalume.
- Cladding profiles such as TradZinc providing a traditional aesthetic.
- Ventilating aluminium cassette façade systems.
- Perforated and visually enhanced flat panels.
- Thermally efficient insulated solutions with integrated support systems.



ARCHITECTURAL CLADDING & FACADES

Architectural thermally efficient multicellular polycarbonate daylight façade systems offer a different aesthetic whilst still providing a high thermal, acoustic and fire performance, for internal and external solutions. MRC's experience is invaluable in providing a successful outcome to these types of systems.

- Bespoke and standard daylight façade system for internal or external application.
- Vast range of thicknesses to suit the spans of up to 12 metres clear span.
- Enhancement of colour to the panels via introduction of lighting.
- Sealed lightweight façade systems.
- Acoustic and thermally efficient systems with integrated support systems.
- New Build Energy Efficient Metal
- Built Up Roofing and Cladding
- Solutions for Acoustic, Thermal & High Security Systems

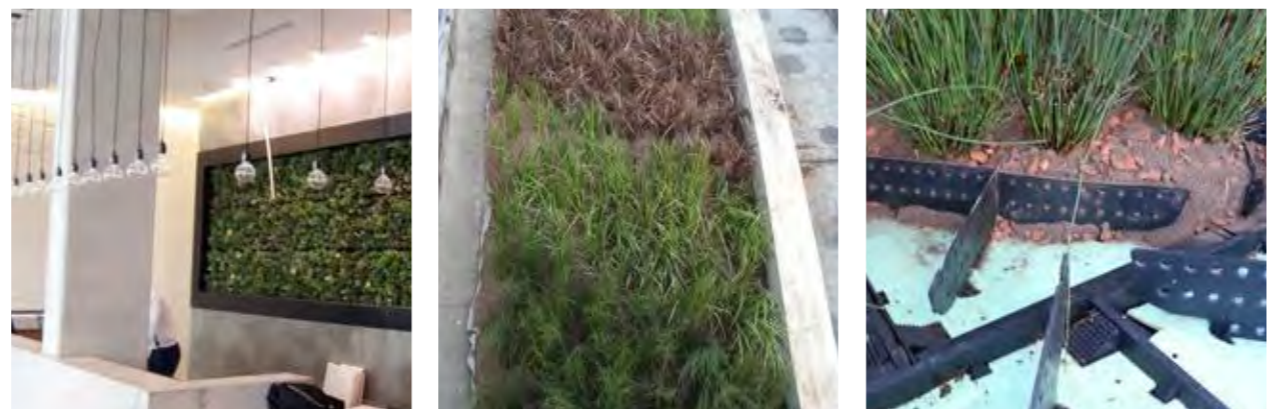




GREEN & RENEWABLE TECHNOLOGIES

MRC's in-house innovative range of green and renewable technologies provides the specifier real choice in turn-key system selection for the whole green roofing and cladding system backed with our experience in integrating all aspects.

- Green roof systems assist in reducing and manage the run-off from rainwater, reducing the pressure on the drainage system below the ground.
- Improve thermal and acoustic performance of the roofing system.
- Increase the longevity and protect the roof system.
- Reduce the impact of Urban Heat Islands.
- Removes pollutants and carbon dioxide from the atmosphere while increasing oxygen.



GREEN & RENEWABLE TECHNOLOGIES

MRC's internal and external living walls or vertical garden range, provides the ability enhance transformation of vertical spaces into outstanding areas of natural beauty and encourage local species to thrive, all backed with a patented method of irrigation to ensure the plants are sustainably maintained.

- Living walls reduce the impact of thermal expansion on the building.
- Provide protection to the exterior of the building by providing protection from UV radiation.
- Living green walls have been shown to reduce levels of harmful pollutants by 40% and 60% respectively.
- Reduces noise levels and aids concentration within the building.
- Helps combat poor air conditioning and drying effects.





WATERPROOFING MEMBRANE SYSTEMS

Waterproofing systems for flat roof projects are abundant, MRC Waterproofing's experience in waterproofing systems ensures that the right system is installed for the performance required. Waterproofing membrane systems such as 'Torch-on' or 'Single-Ply' provide a resolute seal to any flat roofing areas.

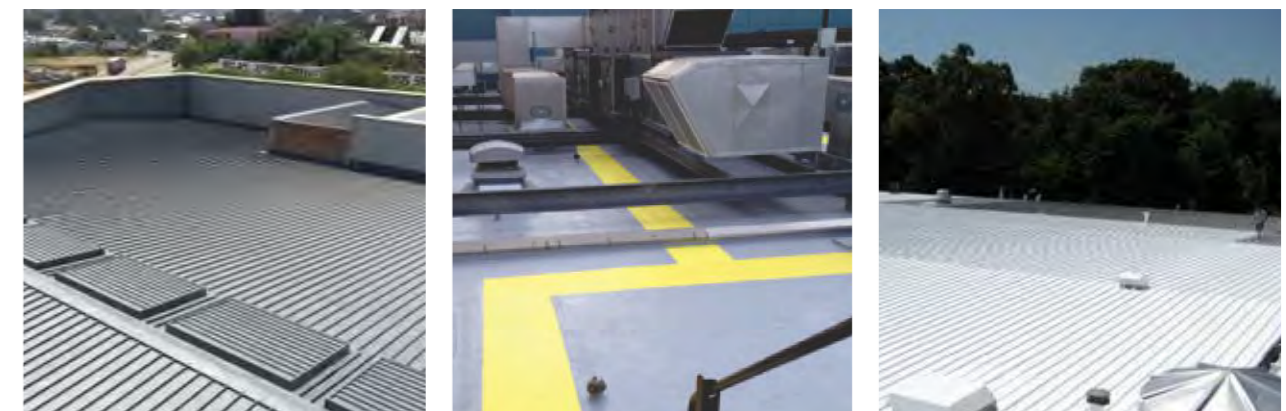
- Single, double or triple layer 'torch-on' waterproofing membranes.
- Single-ply TPO, TPE or UPVC waterproofing membrane systems mechanically fixed to the structure.
- Ballasted or inverted insulated waterproofing membrane solutions.
- Membranes systems to over-roof existing bitumen roof systems without having to strip the roof.
- Waterproofing membrane systems for basement and retaining wall applications.



LIQUID APPLIED WATER-PROOFING SOLUTIONS

Liquid applied specialist waterproofing systems add the ability to withstand a list of issues such as corrosion, chemical imbalances, thermal shock as well as water ingress. MRC Waterproofing offers liquid applied systems to refurbish concrete flat and metal pitch roofs along with bund and basement areas.

- Acrylic waterproofing and rust inhibitor waterproofing systems to provide a seal to a metal roof and enhance its operational life.
- Polyurethane systems for gutters and flat roofs with problematic ponding issues.
- Specialist thermal coatings to reflect the sun's rays and reduce thermal shock / expansion to the material below.
- Liquid applied coating to apply to surfaces with bitumen materials or previously applied coatings.
- Specialist Spraylock coating that penetrates the existing or new concrete to provide a fast acting, long term seal.

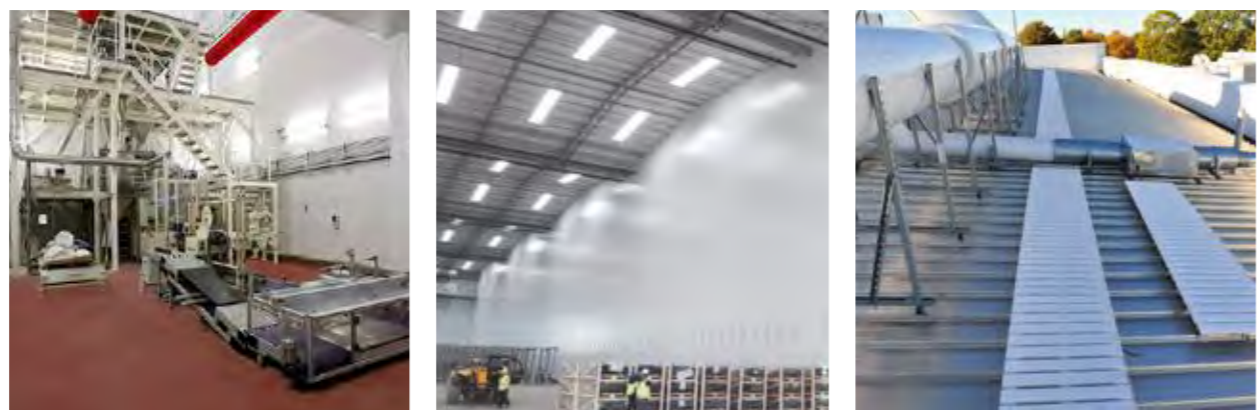




PASSIVE FIRE PROTECTION

MRC Fire offers in-house 'turn-key' passive fire & blast protection systems, such as fire walls & ceilings, hinged & sliding fire doors, fire barriers, blast walls, transformer & valve enclosures and fireproof vaults and ducts, all backed with valid fire certificates and tests.

- Board systems such as plasterboard and calcium silicate fire wall systems with fire ratings up to 4 hrs.
- High impact, high security fire protection systems such as Durasteel™
- Wall and ceiling systems that reduce the impact of explosions.
- All complete with associated steel support, insulation, seal and fire stopping systems.
- MRC Fire's experience allows seamless integration of passive and active fire protection systems.



ACTIVE FIRE PROTECTION

Active fire protection systems such as smoke ventilation and ductwork systems assist in the saving of lives by lifting the smoke ceiling to the regulated height above the people operating within the building space, thus providing escape conditions.

- Smoke and heat exhaust ventilators.
- Smoke and heat exhaust ventilation systems tested to the local SANS 10400-T specification.
- Designed to extract smoke from the interior of a building through roof-mounted ventilators, in compliance with Part 2 of the EN 12101 code.
- Fans and cables to comply with EN 12101 to ensure correct operation when required.
- Basements fans and ducting that operate at high temperature.





TURN-KEY REFURBISHMENT

MRC Refurb offers the client a 'turn-key' refurbishment of industrial, retail, office, laboratory and commercial property, utilising all the aspects of the MRC Groups' in-house services ensuring seamless integration ensuring the highest quality installations.

- Complete internal and external building envelope refurbishment installations.
- All aspects of the in-house MRC Group service integrated to ensure total compliance.
- Specialised clean rooms and laboratories including high hygiene standards, furniture and fittings.
- Shop fitting services provided for retailers looking for a corporate theme to ensure continuity through all their outlets.
- In house wet work incorporated, from concrete foundations to brick walls.



CEILING & PARTITIONS

MRC Refurb is proud of its in-house 'turn key' white boxing and tenant installation service providing the client a rapid response to tenants vacating to handing it back as a rentable or usable space. From ceilings and partitions through to internal multicellular polycarbonate walls, kitchen and bathroom fit outs.

- Full range of standard plasterboard drywalling and ceiling systems.
- Specialised bespoke design modular rooms providing quiet areas.
- High quality metal acoustic partition and ceiling systems for airports to reduce the reverberation with the building.
- Acoustic walling and ceilings for break out areas, meeting and boardrooms.
- Jumbo walls, dividing warehouses and retail units.

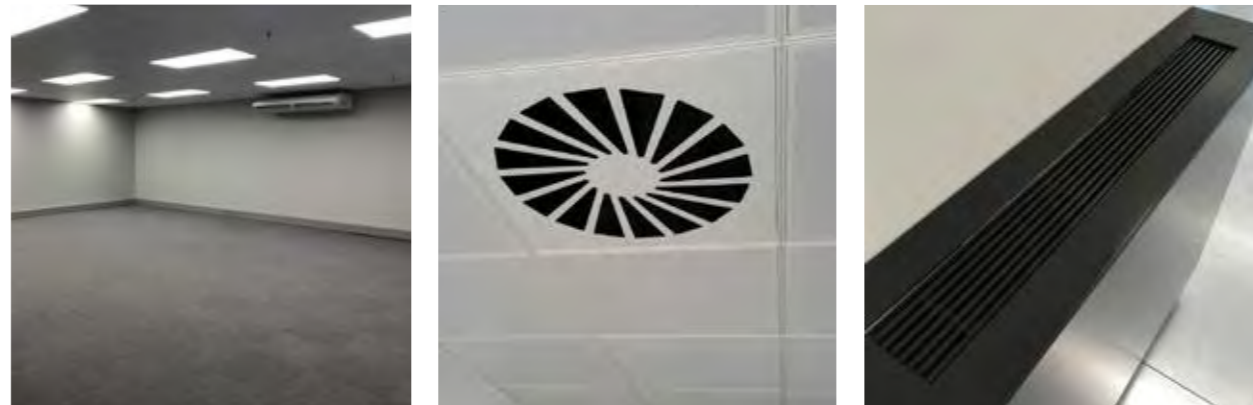




HVAC – HEATING, VENTILATION AND AIR CONDITIONING

MRC Refurb's turn-key approach ensure that HVAC is carefully considered in the overall construction. Comfort control is high on every employers list of welfare concerns and efficient HVAC can play a huge role in well being, safety and productivity in the work place. MRC Refurb provides a full turn-key service for HVAC solutions.

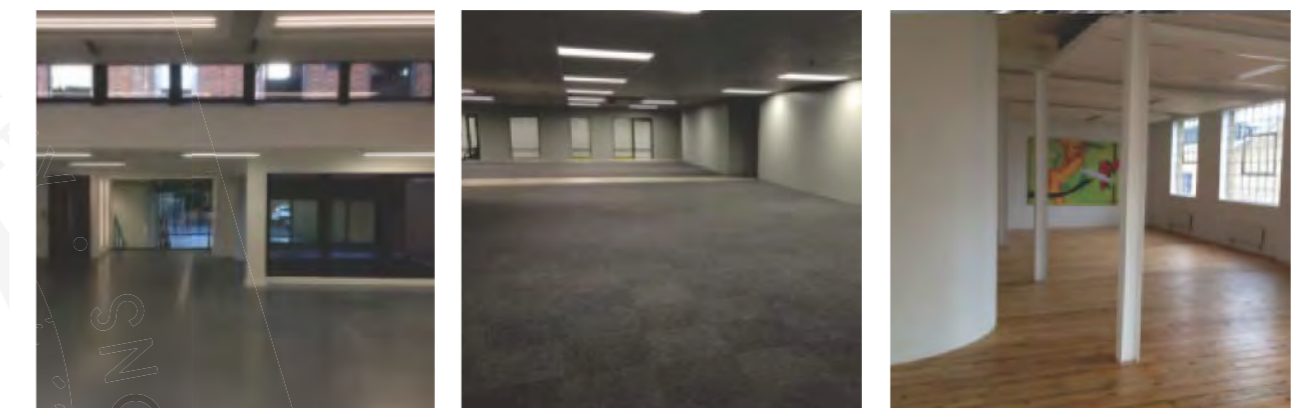
- Insulated and uninsulated galvanised or stainless-steel HVAC systems.
- Wall, floor or ceiling mounted options.
- Exposed feature or hidden HVAC solutions.
- Mechanical designs based on office volume and planned occupancy.
- Integrated high heat or low temperature systems.



FLOORING AND FINISHES

In the modern era of open plan offices and minimalism, is a renewed emphasis on flooring and its various finishes. MRC Refurb offers a totally unbiased range of finishes to suit your budget and aesthetic.

- Raised access flooring.
- Polished concrete floors and classic timber & engineered wood systems.
- Carpets, vinyl's, tiling and paving.
- Balustrading and hand-railing systems.
- Balconies designed to account for thermal expansion to ensure no water ingress.





ELECTRICAL SERVICES

MRC Energy gives the new build or refurbishment of industrial, commercial, retail and office property its life offering a full turn-key inspection, application through to issuing of electrical certificate of compliance.

- General electrical works.
- Power supply & distribution boards.
- Busbar, Fluorescent, LED and security lighting systems.
- Upgrading power
- Roof mounted and wall mounted photovoltaic solar panels.
- Generator and Uninterrupted Power Supply Installations.



ELECTRICAL SERVICES

MRC Energy's vast experience in electrical works is backed with industry leading electrical analysis tools that ensure that we understand all the electrical dynamics of the building. MRC Energy gets to the core of the electrical problem rather than dealing with just the symptoms.

- Earth leakage or power tripping analysis.
- Power quality analysis allows us to identify the negative effects of inductions loads, and non-linear loads.
- Thermal imaging uses the infrared spectrum to see heat patterns and to measure temperatures.
- Photovoltaic solar panel planning.
- Total electrical building inspection and fault finding.

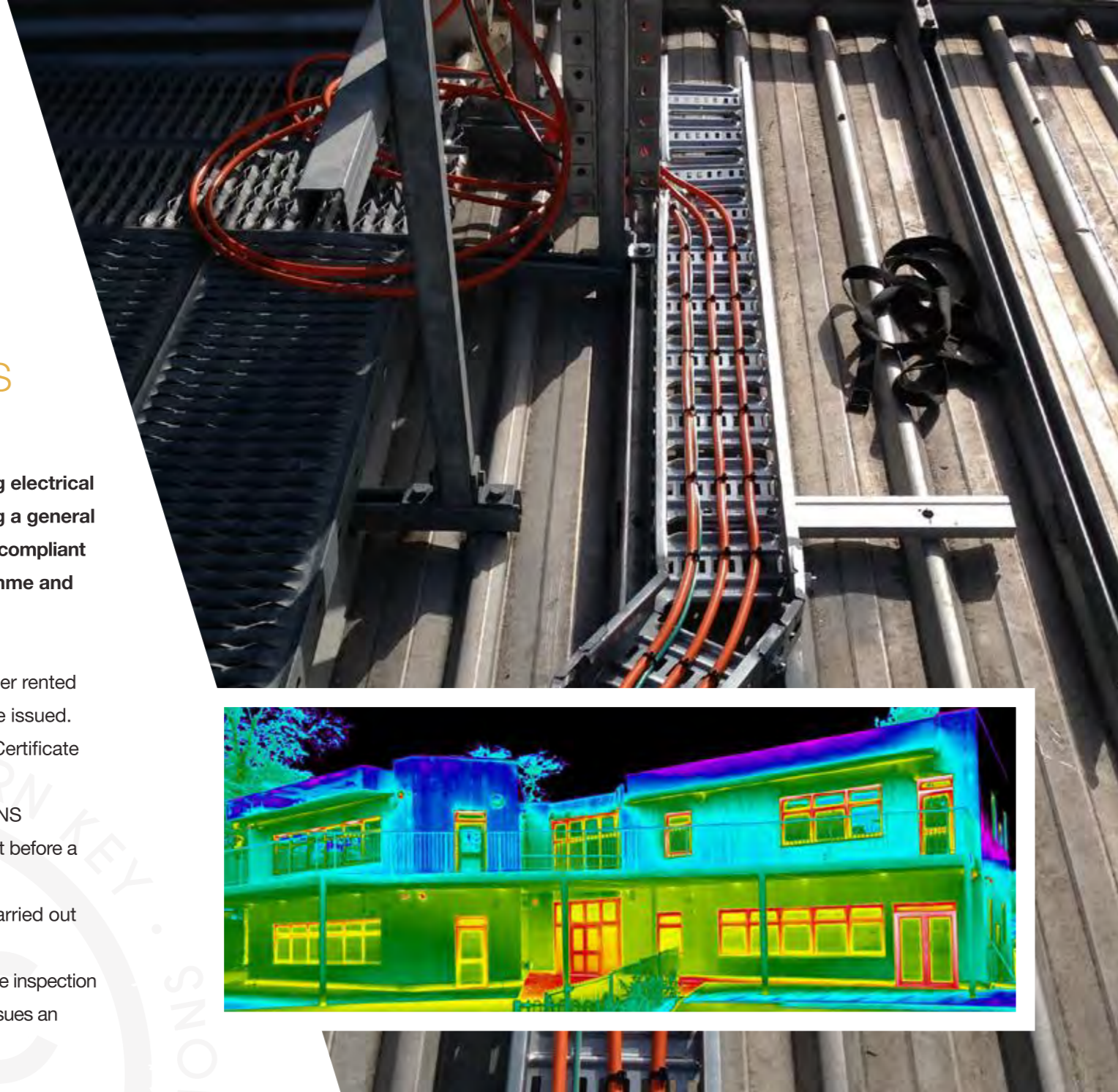
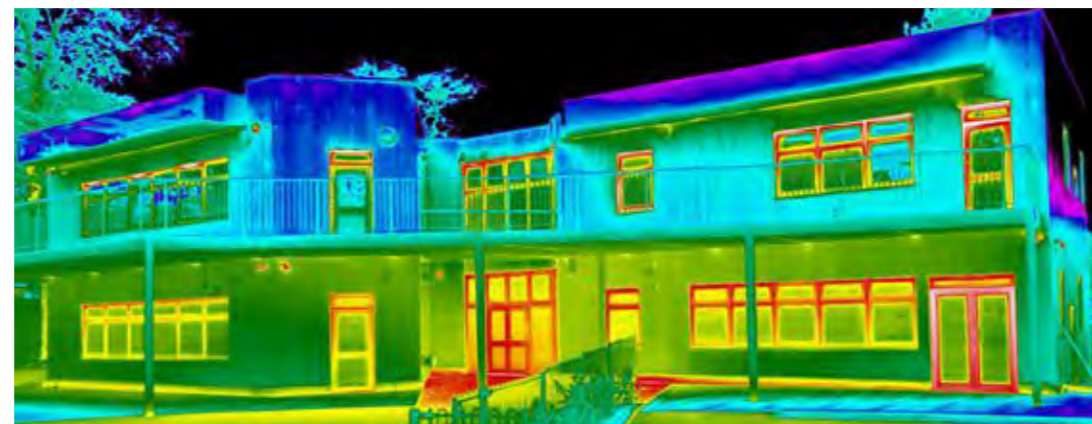




ELECTRICAL CERTIFICATES OF COMPLIANCE

MRC Energy's vast experience in inspecting existing electrical installations, checking for compliance and providing a general audit on the use of the system is backed with an ISO compliant report complete with photos, specification, programme and stage by stage costings.

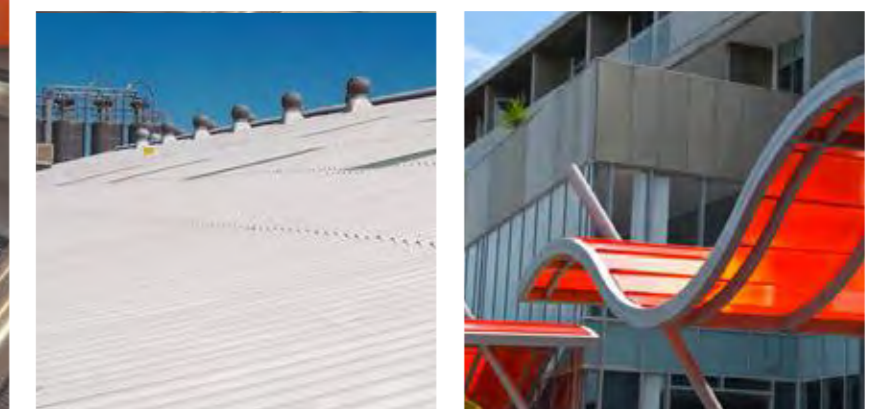
- It is a legal requirement that all premises whether rented or owned have a valid Certificate of compliance issued.
- A property that is being transferred requires a Certificate of compliance to be issued.
- The Electrical Installations Regulations and SANS 10142-1 Ed 2 set out the requirements to be met before a certificate can be issued.
- It is necessary that a full visual inspection be carried out in conjunction with a full set of instrument test.
- Once all the works that have been picked up in the inspection report and have been completed, MRC Energy issues an electrical certificate of compliance.



MRC AFRICA

MRC Africa is a level 2 Broad-Based Black Economic Empowerment contributor, providing total turn-key refurbishment solutions to the public government construction sector for projects such as schools, universities, public buildings, military projects and hospitals and in the private construction sector.

- Refurbishment of existing metal roofing systems.
- Upgrading of the internal fit out of existing buildings.
- Install thermally efficient systems to our schools and hospitals to improve the internal space for education and healing.
- Create environmentally friendly solutions for projects.
- Install back up power to our public buildings to ensure continuity of operation.





MRC AFRICA

MRC Africa is committed to maintaining public and governmental buildings to reduce waste and to ensure the longevity of external and internal materials. With a nationwide footprint, MRC Africa operates throughout the whole of South Africa and uplifting skills development to the local people to undertake works at the highest quality standards.

- Maintain all type of roofs and gutters including repair works where necessary.
- Electrical inspections and certificate of compliances.
- Installation of external and internal building envelope solutions.
- Application of green and renewable technologies.
- Removal, encapsulation and disposal of asbestos materials.



Excellence in 'Turn Key'
Building Envelope Solutions...
How can we assist you?

Offices: Johannesburg | Durban | Cape Town
International: London
Landline: +27 (0) 861 672 476
Email: info@mrc-group.co.za
Website: www.mrc-group.co.za
 www.mrc-refurb.co.za
 www.mrc-durasteel.co.za
 www.mrc-energy.co.za
 www.guardianwarranty.co.za



