





SUPPLIERS OF GREEN MATERIALS & SERVICES DIRECTORY

2016



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This directory outlines the captured information from a baseline survey of suppliers in Lusaka and the Copperbelt with particular focus in Chingola, Kitwe, Kalulushi and Ndola. Whilst every effort was made to contact an extensive list of suppliers, only those whom where willing to participate in the study to enable data verification have been included in this edition.

Acknowledgments

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Every effort has been made during the research and analysis of this publication and all reasonable precautions have been taken to ensure accuracy of both information and details given. The Editor, publishers and supporting partners cannot accept responsibility for any errors, omissions, damages or inconvenience caused that may arise therefrom.

Foreword

The Zambian construction sector has contributed significantly to Zambia's growth in recent years and currently makes up approximately 30 % of the economy. It is also a major consumer of energy and material resources and can be considered as one of the largest contributors to pollution and environmental degradation. Therefore, greening the building construction industry presents an opportunity for economic, social and environmental friendly practices that will ensure a sustainable development.

The current shift towards green building construction in Zambia offers a great business opportunity for suppliers of green building materials as Zambians are becoming aware of the benefits of green building and sustainable construction. Residential housing property developers, architects, construction businesses and home owners alike have seen the significant and exciting opportunity to green their procurement channels and projects with local suppliers of green building materials and technologies.

This first edition of the Green Materials and Services Directory aims to support this positive development of increased need and demand for consistent supply of building materials that are locally sourced and manufactured. It offers a complete listing of brief profiles of local businesses that offer services and materials to help you plan and execute your green building projects.

The categories of the directory are centred around four main pillars of component manufacture, building services, professional services and construction related services. In turn, classification has been on resource efficiency, energy efficiency, durability and localness as immediate benefits derive from the adoption thereof. The design of our built environment impacts us all, as well as our economies and the natural environment and with active use of this directory, users will be key in driving the transformation towards a significantly greener built environment and sustainability.

We are grateful to all the co-operating partners, whose expertise, invaluable support and financial contribution towards this directory has been a true testimony for sustainable design and construction.

Yours faithfully,
For and on behalf of the supporting partners



MICHAEL NYIRENDA

President

Association of Building and Civil Engineering Contractors - ABCEC

Context of Definitions and Glossary

Green construction materials/technologies are characterised by many elements. In the context of this study and for this directory, the following principal elements helped categorise and sort the suppliers listed:

- a. those which are focused on energy, water and natural resource conservation and efficiency;
- b. those which are preferably locally available and/or manufactured regionally and
- c. those which are responsibly sourced from manufacturers whose product literature includes environmental data (e.g. sustainable wood)
- d. those which offer greater design flexibility, those with greater durability and which reduce maintenance, replacement costs over the life of the building
- e. those with minimal life cycle impact based on how renewable, recycled, repurposed, or salvaged the material
- f. Suppliers have been listed based on categories of main product/technological provision, with product descriptions and the top three benefits of their offering highlighted.

Green construction materials/technologies in general are characterised by any of the following:

1. Durable which reduces maintenance/replacement costs over the life of the building leading the economic benefits in the mid-to long-term
2. Focused on energy, water and natural resource conservation
3. Greater design flexibility (e.g. Earth bricks are more flexible for changes than concrete walls)
4. Improve the health, and well-being of the occupant
5. Low embodied energy. Embodied energy is the total energy used to produce and transport a specific building material
6. Based on renewable, recycled, repurposed or salvaged material rather than non-renewable resources
7. Minimise greenhouse gas emissions
8. Non-toxic
9. Preferably locally available and/or manufactured
10. Responsible sourcing from manufacturers whose product literature includes environmental data (e.g. sustainable wood)

Glossary

- **Alternative Energy** is energy coming from a source other than the conventional fossil fuel sources of oil, natural gas and coal (e.g: solar, biofuels, gas, wind etc)
- **Durability** as compared with maintenance/replacement costs over the lifespan of conventional materials
- **Degree of localness** refers to how much raw material is sourced locally/near to site for production/manufacture
- **Environmental Impact** is any change to the environment, whether adverse or beneficial, wholly or partially resulting from human activity, industry or natural disaster
- **Energy Efficiency** refers to those materials/technologies that help reduce energy consumption in buildings
- **Flexibility of Design** as relates to bespoke structural, operational preferences in construction
- **A Green Building** is a building that is built or uses green technologies and operational practices that significantly reduce to eliminate its negative impact on the environment and its occupants; it is energy efficient, resource efficient and environmentally responsible
- **Green Technologies** include applications which use or are resource efficient such as renewable energy and renewable water resources. They improve energy and water efficiency and reduce pollution to air, water and soil (e.g. solar water heaters, solar PV panels, water harvesting)
- **Green materials** include (i) renewable and sustainably harvested materials (e.g. wood or 'earth' for earth bricks) or (ii) materials which are made from recycled materials (e.g. plastic poles from recycled plastic) or (iii) materials which in their production and transport minimised their energy and water input and are not hazardous and therefore have a lower energy and water content as compared to other materials.
- **Grey Water** is waste water recovered from sinks, showers, washing machines and other water sources that do not contain food or human waste
- **Hardscape** refers to pavers, sidewalks, raised planters, retaining walls, site furnishings and other non-living design elements use to enhance landscape areas
- **Heating, Ventilation and Air Conditioning (HVAC)** refers to the mechanical systems that provide heating, ventilation and air conditioning in buildings
- **Indoor Air Quality (IAQ)** refers to technologies supporting low toxicity, minimal emissions, low VOC assembly, resistance to moisture as they support healthy maintenance of indoor air quality for occupants in a building
- **Life Cycle Impact** focuses on effect of recycled/salvaged or repurposed materials/product or renewable materials/products on the environment
- **Local materials/products** that are sourced/manufactured/

produced locally and which save transportation costs by being close to construction site

- **Passive Cooling/Heating** is a process of cooling/heating a building in which no power or fuel is consumed i.e. cooling from thermal mass or heating using solar gains through windows
- **Photovoltaics** describe the introduction of semiconductor technologies to generate electricity directly from sunlight (i.e. solar panels)
- **Potable Water** is water that is drinkable and safe for human consumption
- **Rain Water Harvesting** is the collection and storage of rainwater for agricultural, domestic/commercial buildings or industrial use
- **Recyclable** refers to the ability of a material/product to be recovered from or diverted from a waste stream for the purposes of recycling and can include post-industrial/construction or consumer content
- **Renewable Resources** are those that can be replenished at a rate equal to or greater than its rate of depletion e.g.: solar, wind, geothermal and biomass resources
- **Resource Efficiency** refers to the use of waste as an input into another process e.g. recycling, reusable, renewable materials etc. it could also relate to the durability/reduced maintenance/replacement cost thereof
- **Reusable** refers to components that can be salvaged or that are reusable
- **Sustainable** materials are those related to renewable materials harvested from sustainably managed sources
- **Thermal** comfort is a method of describing occupant comfort which takes into account air temperature, radiant temperature, humidity, draught, clothing value and activity rates
- **Ventilation** is the process of supplying and removing air in building spaces by natural or mechanical means
- **Water Conservation** refers to the reduction in consumption, wastage or improving quality thereof with products/systems designed for landscaped areas

Component manufacturing or distribution includes any green materials or products which can be used in construction projects and would create an aspect of either energy efficiency, resource utilisation create efficiency, improving indoor air quality, are recycled or harvested from sustainably managed resources, have a more durable lifespan compared to conventional materials and which are preferably locally manufactured or distributed.

Energy Efficiency

Capital Electrical Limited

Plot 400/401A Chimwala road, Makeni
Lusaka

Tel: 096 817 8491 or 097 775 5195

Email: captain.electrical.zm@gmail.com

Facebook: captain electrical

Product Description

Solar power systems, System components i.e. solar cells, panels, charge controllers, deep cycle batteries, inverters & inverter chargers, LED lamps & bulbs.

Principal benefits of materials/technologies/services offered

- Renewable Energy source
 - Reduction in energy consumption
 - Lifecycle Impact - Renewable materials/product
-

Green Blox

Nkwazi Road
Lusaka

Tel: 097 169 8115

Email: greenblox.zm@gmail.com

Product Description

Alternative Energy solutions, Construction Renewable Energy source

Principal benefits of materials/technologies/services offered

- Reduction in energy consumption
 - Renewable Energy source
 - Durability/ reduced costs/maintainance
-

Killowatt Productions

Mine Club premises, 4th Avenue Nchanga South
Chingola

Tel: 096 618 3331

Email: keithmwenya@gmail.com

Product Description

Distribution, supply, maintenance of Invertors, Generators, LED lighting and Interior Design works.

Principal benefits of materials/technologies/services offered

Reduction in energy consumption

- Durability/ reduced costs/maintainance

Muhanya Solar

Plot#7, Paseli Road, Northmend
Lusaka

Tel: 097 599 8340 or 095 588 2152

Email: muhanyasolar@zamnet.zm

Website: www.muhanyasolar.com

Product Description

Solar Panels, solar hot water systems, submersible solar pumps & training.

Principal benefits of materials/technologies/services offered

- Reduction in energy consumption
 - Renewable Energy source
 - Durability/ reduced costs/maintainance
-

Nanchengwa Solar

#1 Seventh Street, Chudliegh
Lusaka

Tel: 097 746 0855 or 095 562 5040

Email: nanchengwasolar@gmail.com

Facebook: nanchengwasolarenergysolutions

Product Description

Solar Power Solutions.

Principal benefits of materials/technologies/services offered

- Renewable Energy source
 - Reduction in energy consumption
 - Durability/ reduced costs/maintainance
-

Solar Zuwa

Plot B2/23/12 Kamloops road, Kalingalinga
Lusaka

Tel: 097 451 7779

Email: solarzuwa@gmail.com

Product Description

Solar Panels, solar hot water systems, energy saving lighting bulbs.

Principal benefits of materials/technologies/services offered

Reduction in energy consumption

- Renewable Energy source
 - Durability/ reduced costs/maintainance
-

Sombe General Enterprises

#69 Lumumba Avenue, Fairview
Mufulira

Tel: 096 630 0124

Email: aurelius.nkonde@yoow.com

Product Description

Distribution of Energy Efficient and renewable energy products, solar solutions.

Principal benefits of materials/technologies/services offered

- Renewable Energy source
 - Reduction in energy consumption
 - Indoor Air Quality
-

Saint - Gobain

C/o Phoenix Plus, Kafue road

Lusaka

Tel: 097 777 1407/ 021 127 2141

Email: ZAExports@saint-gobain.com

Website: www.saint-gobain-africa.co.za

Various construction materials such as Insulation, gypsum, exterior products, piping and industrial mortars. Innovative materials such as Flat glass manufacture, automotive glazing and specialities, high performance ceramics, plastics, abrasives and textile solutions applied in the housing energy and environmental fields.

- Indoor Air Quality
- Reduction in energy consumption
- Indoor Air Quality

Durability

Nature Guard

Plot 725 New Kasama road

Kabwe

Tel: 096 680 6708

Email: natureguard@ymail.com

Product Description

Curtain Rails, Paving Blocks for out door use (domestic & industrial), Accessories for brooms, Air Vents, Industrial spairs e.g. gears, Furniture shoes, Broom, Brush holders.

Principal benefits of materials/technologies/services offered

- Recyclable
 - Localness
 - Durability/ reduced costs/maintainance
-

Rapid Aluminium

#8 Kaleya Road, Roma

Lusaka

Tel: 0211 292366 or 096 779 1236

Email: v.vidmar@microlink.zm

Website: www.bestofzambia/rapidaluminium.com

Facebook : rapid aluminium

Product Description

Tailer-made fabrication of Aluminium Fascia products including Cladding, Curtain walls, Shop fronts, Folding doors, Sliding window & doors, Louvre systems, office partitioning, sliding doors, roller shutter doors & expandable security barriers, frameless glass

Principal benefits of materials/technologies/services offered

- Design flexibility to custom design
- Durability vs conventional
- Reduction in energy consumption

Resource Efficiency

CIMU Enterprises

Mwembeshi Open Prison

Lusaka

Tel: 097 863 1250 or 095 337 8721

Email: simweene@yahoo.com

Product Description

Curtain Rails, Tiles, Interlocking Paving Tiles

Principal benefits of materials/technologies/services offered

- Recyclable
- Localness
- Lifecycle Impact - Recycled/salvaged materials

Zukanji Zambia

Room 7a, Kanjila Shopping Complex, President Avenue
Ndola

Tel: 0212 221017 or 095 526 8215

Website: www.floorsforzambia.com

Product Description

Compressed Earth Bricks, Solar Geysers, Solar panels.

Principal benefits of materials/technologies/services offered

- Sustainably sourced materials
- Recycled components
- Reduction in wastage of water - water conservation

Ocean Ventures

#7308 Chibengele Road

Lusaka

Tel: 0211 286039 or 097 789 3333

Email: unitedhorizons2006@gmail.com

Website: www.floorsforzambia.com

Product Description

*Ecowood Composite Decking, Van Dyck Carpets (earth series),
Medium Density Fibreboards.*

Principal benefits of materials/technologies/services offered

- Recyclable
 - Sustainably sourced materials
 - Durability/ reduced costs/maintainance
-

Atlas Roof Tiles

Farm 29 Makeni Road

Lusaka

Tel: 097 999 0990 or 097 514 3181

Product Description

Roof tiles

Principal benefits of materials/technologies/services offered

- Localness
- Recyclable
- Design Flexibility

Local

Solar Solutions

#4483 Katima Mulilo road, Kalundu

Lusaka

Tel: 097 867 6937 or 097 444 6861

Email: info@idsolarsolutions.com

Product Description

Solar PV system design, Solar PV system installation, Solar PV system maintainance.

Principal benefits of materials/technologies/services offered

- Renewable Energy source
 - Reduction in energy consumption
 - Localness
-

Glass Glazers Ltd

Plot 17771 Chilumbulu road

Lusaka

Tel: 097 780 1518

Email: expressglassglazers@yahoo.co.uk

Product Description

Clear Glass, shouter proof glass, solar shield glass. Fabricators of aluminium doors, windows,shop fronts etc

Principal benefits of materials/technologies/services offered

- Recyclable
- Durability/ reduced costs/maintainance
- Localness

Building services relates to expertise in green property management, reduced general replacement and maintenance expertise

Flexibility of service design

Sustainable Builders

Rm 205, Kabelenga House, Opp Northrise University,
Next to Savoy Hotel
Ndola

Tel: 096 631 5706

Email: susbuilders@yahoo.com

Facebook: sustainable builders zambia

Product Description

Property maintenance services, Green renovations and development and construction services.

Principal benefits of materials/technologies/services offered

- Localness
- Durability
- Resource efficiency - sustainably sourced materials

Local

Zambian Tool Hire Co Limited

Plot 1785/30 Lubambe road, Northmead
Lusaka

Tel: 097 621 7255/ 021 123 4668/ 096 952 7319

Email: zambiantoolhire@gmail.com

Product Description

Hiring of Machinery for construction

Principal benefits of materials/technologies/services offered

- Resource Efficiency
- Durability
- Design Flexibility

Professional service provision which affords sustainable architecture; flexibility of design and expertise in green technology utilisation from mechanical engineers, drafters, civil engineers, electrical engineers, interior designers and landscape architects

Design Flexibility

Green Code Architects

Unit 31, Arcades Shopping Centre
Lusaka

Tel: 0211 251225 or 096 423 9199

Email: kellykalumba@greencodearchitects.com

Website: www.greencodearchitects.com

Product Description

Architecture & Project management; Space Planning, Development Consultation, Interior Design

Principal benefits of materials/technologies/services offered

- Design Flexibility
 - Energy Efficiency as relates to reduction in consumption
 - Resource Efficiency
-

Jiivana Services

Plot 609A, off Munali road, Chudliegh

Tel: 0211 292388 or 097 404 4850

Email: info@jiivanaservices.com

Website: www.jiivanaservices.com

Product Description

Sustainability consultancy with building and operational analysis, bespoke solutions and implementation support for greener businesses, includes option for Green Star Building Certification

Principal benefits of materials/technologies/services offered

- Resource Efficiency
 - Energy Efficiency as relates to reduction in consumption
 - Water Conservation
-

Touch Finale Incorporated

Room #12 FEI Building, Chitundu Road, Off Kafue road,
Chiwama Junction
Lusaka

Tel: 097-888-1862 or 096-661-6506

Email: info@touch-finale.com

Website: www.touch-finale.com

Product Description

Architecture & Project management; Urban Design & Planning with focus on sustainable energy usage.

Principal benefits of materials/technologies/services offered

- Design Flexibility
- Localness
- Energy Efficiency with renewable energy sources

Resource Efficiency with durability, reduced maintenance and costs

Jay Classic Engineering

Plot 6F, Bishops Road, Kabulonga

Lusaka

Tel: 097 781 8283

Email: jayclassicengineering@ymail.com

Facebook: Jay Classic Engineering

Product Description

Electrical Engineering Services.

Principal benefits of materials/technologies/services offered

Resource Efficiency

Jogra Investments

Plot 1635, Kahale Street

Kaoma

Tel: 097 847 8522

Email: mungandi.arha@gmail.com

Product Description

Landscape Architect offering landscape construction, land use planning, planting design, storm water management, and sustainable design.

Principal benefits of materials/technologies/services offered

- Resource Efficiency
 - Water conservation
 - Localness
-

Nibasi Enterprises

Lusaka

Tel: 097 785 0397

Email: nibasi.info@gmail.com

Product Description

Landscaping services.

Principal benefits of materials/technologies/services offered

Resource Efficiency

- Water conservation
- Localness

Rootz Design & Lifestyle

Plot 6293, Kwacha Road, Olympia

Lusaka

Tel: 095 577 1106

Email: miryana@rootz.co.zm

Facebook: Rootz Design & Lifestyle

Product Description

Interior Design and Creative direction. Creation of signature styles to suit lifestyles. Stockists of furniture, art, accessories and soft furnishings.

Principal benefits of materials/technologies/services offered

- Resource Efficiency
- Flexibility of Design
- Localness

Energy Efficiency**Beacon Crest Investment**

Shop#3B, Bubuw House, Plot 6299 Kabanga Street

Kitwe

Tel: 096 689 3280/ 096 689 1178

Email: simutinta@yahoo.com

Product Description

Installation & assessment of UPS invertors, Solar panels & batteries.

Principal benefits of materials/technologies/services offered

- Energy Efficiency
- Renewable energy source
- Localness

Water Conservation**Lawn Irrigation Technologies**

Suite 42, CCZ Ecumenical Centre, Bishops Road, Kabulonga

Lusaka

Tel: 096 401 4296/ 021 126 8629

Email: lawnirrigationtech@gmail.com

Facebook: Lawn Irrigation Techn

Product Description

Full Irrigation services including pre-installation assessment, irrigation system design, Installation, system repair, upgrade and maintenance consultancy services.

Principal benefits of materials/technologies/services offered

- Reduction of water wastage
- Resource Efficiency
- Durability Vs Conventional

Construction and related trades. Service providers focusing on supporting design as the principal implementors in commercial or residential construction; plumbers; electricians; heating/air conditioning mechanics and installers etc

Flexibility of design

Nahath Enterprises

18 Kariba Road

Ndola

Tel: 096 659 6425

Email: stephenm@gmail.com

Product Description

Welding services, specialising in door and window frames.

Principal benefits of materials/technologies/services offered

- Resource Efficiency using sustainably sourced materials
- Localness
- Design Flexibility

Wave Line Logistics

Plot 8272 Industrial Area

Solwezi

Tel: 096 658 0508

Email: gtee27@yahoo.com

Product Description

Commerical and Residential construction expertise offered with arhcitectue design, civil engineering, interior design, landscape architect. General Property management and maintenance services.

Principal benefits of materials/technologies/services offered

- Resource Efficiency with durability vs conventional
- Localness

ABC Global Works

Suite 3-4, 5th Floor, Lusaka House, Ben Bella road

Lusaka

Tel: 096 370 2233/ 096 332 2272

Email: mutalewesu@yahoo.com

Product Description

Commerical & Domestic Construction Contractors. Also work within Road Construction.

Principal benefits of materials/technologies/services offered

- Resource Efficiency using sustainably sourced materials
- Resource Efficiency with durability vs conventional
- Localness

Dansuz Investments

Office #54, 5th Floor, Plot 1093 Bowmaker House, City Square Kitwe

Tel: 097 784 7075 or 096 676 8763 or 021 222 1017

Email: danny_simumba@yahoo.com

Product Description

Retrofitting services using skilled bricklayers, carpenters, plumbers, electricians and painters. Also manufacture of Compressed Earth Bricks, Wood window & door frames. Distribution of Solar Geysers, Energy saving light bulbs and Solar panels.

Principal benefits of materials/technologies/services offered

- Resource Efficiency using sustainably sourced materials
- Localness
- Resource Efficiency with durability vs conventional

Degre Eco Construction Limited

Plot 4-5 Musekese Drive , Eureka Park, Lilayi Lusaka

Tel: 096 679 7779 or 095 509 9779

Email: degree.construction@gmail.com

Website: www.degre-eco.com

Product Description

Construction using a qualified team of architects, builders, electricians, plumbers, tillers, and painters for renovation, maintenance works and service delivery. Building & Property Development, Interior Designs with Landscaping, Creation of Green spaces and an ecologically and environmentally friendly garden. Suppliers and distributors for ecologic building materials.

Principal benefits of materials/technologies/services offered

- Energy Efficiency using renewable sources of energy
- Localness

**Durability due to reduced maintenance/
replacement costs over time****DiTec Engineering**

16 Arusha Street

Ndola

Tel: 096 679 9217 or 097 778 9217

Email: joseph@ditecengineering.com

Product Description

Civil Engineering, Building Construction, Electrical and Mechanical Engineering, Mining Engineering.

Principal benefits of materials/technologies/services offered

- Localness
 - Resource Efficiency
 - Energy Efficiency
-

Raubex Construction

Plot 7452, Lunzua Road, Rhodespark
Lusaka

Tel: 097 587 2521

Email: mamba.m@raubex.com

Product Description

Road Construction

Principal benefits of materials/technologies/services offered

- Resource Efficiency
 - Resource Efficiency with durability vs conventional
 - Localness
-

Resource Efficiency using sustainably sourced materials

Howdens Enterprises

5043A Mutentemuko Road
Kitwe

Tel: 096 627 6424

Email: howdensenterprises@gmail.com

Facebook: Howdens.Enterprises

Product Description

Producers of Cabinets & Counterports, Kitchen Design & Construction, Workplace & Office Furniture.

Principal benefits of materials/technologies/services offered

- Resource Efficiency with durability vs conventional
 - Localness
 - Design Flexibility
-

Localness

Kalingalinga Industrial Cluster

Corner of Kamloops
Lusaka

Tel: 097 781 8283

Product Description

Provision of Carpentry, Upholstery and Roofing Fabrication.

Principal benefits of materials/technologies/services offered

- Resource Efficiency using reused/ salvaged materials
- Resource Efficiency with durability vs conventional

Resource Efficiency with durability, reduced maintenance and costs

Crescendo Designs Limited
24N Zambezi Flats, Roan Road, Kabulonga
Lusaka
Tel: 096 623 7612

Email: cresendodesignsltd@gmail.com

Product Description

Design and Construction for Commercial and Domestic structures, Architecture Consultancy with steer towards sustainable construction practices.

Principal benefits of materials/technologies/services offered

- Resource Efficiency
 - Water conservation
 - Resource Efficiency - Sustainable sourced materials
-

Water Conservation by reducing consumption

AllWorkx Plumbing

Plot 6727 Chainama road, Olympia
Lusaka

Tel: 097 793 0141 or 095 481 0182

Email: chandankamba2016@yahoo.com

Product Description

Plumbing & water reticulation fitting services.

Principal benefits of materials/technologies/services offered

- Design flexibility to changing needs
 - Localness
 - Durability with reduced maintenance costs
-

Energy Consumption

Chris Electrical & General Suppliers

Plot 27 along Great East Road
Katete

Tel: 097 816 5031 or 096 516 5031

Email: chrisnyirenda222@gmail.com

Product Description

Commerical & Domestic Electrical Contractors.

Principal benefits of materials/technologies/services offered

- Resource Efficiency with durability, reduced maintenance
- Energy Efficiency by reduction of energy consumption
- Localness

