Contents

COMPONENTS MANUFACTURER/DISTRIBUTION 7
BUILDING SERVICES 12
PROFESSIONAL SERVICES 13
CONSTRUCTION & RELATED SERVICES 16

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.
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-operative 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
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)

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• **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.nconde@yoow.com
Product Description
Components Manufacturer /Distributor
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 outdoor use (domestic & industrial), Accessories for brooms, Air Vents, Industrial spares 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
Components Manufacturer /Distributor

Tailor-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.
Components Manufacturer /Distributor

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 Recyclable
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
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 investors, 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

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**Wave Line Logistics**  
Plot 8272 Industrial Area  
Solwezi  
Tel: 096 658 0508  
Email: gtee27@yahoo.com  

**Product Description**

Commercial and Residential construction expertise offered with architecture 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

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**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**

Commercial & 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

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

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

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