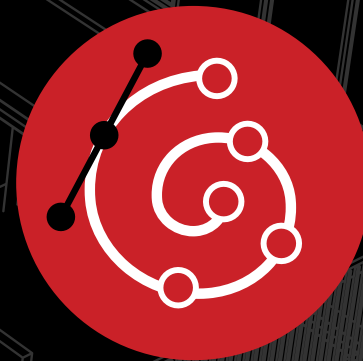




MUKKANDU[®]



CORPORATE PRESENTATION



MUKANDU®



Service Offerings
Architecture, Engineering and Construction

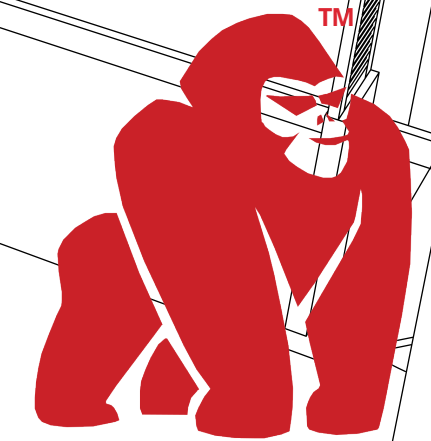
SERVICE OFFERINGS



▶ AEC IN DRC

▶ MUKANDU

▶ SERVICES



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{ CEMENT SECTOR }

The DRC is best known for its vast potential in the mining sector amongst other things. However, it has a very consistent cement manufacturing industry with competitive producing plants.



{ STEEL SECTOR }

The steel sector consist of imported material as the local sector has not seen much of a boom due to lack of consistent electricity and coal to produce the much needed steel.



{ BRICK SECTOR }

The brick sector is fragmented as most construction sites are not regulated and plans are not approved by the state. Therefore, clandestine artisanal production sites are rampant across major cities. However, there are various industrial manufactures whom manage to produce high quality product at a slightly higher cost.



{ MUKANDU'S FORESIGHT }

Mukandu foresees an industrial revolution within the next 3 years which will project the AEC sector in DRC. **Mukandu** aims to be a reputable contributing company within the sector.



MUKANDU®



SERVICE OFFERINGS



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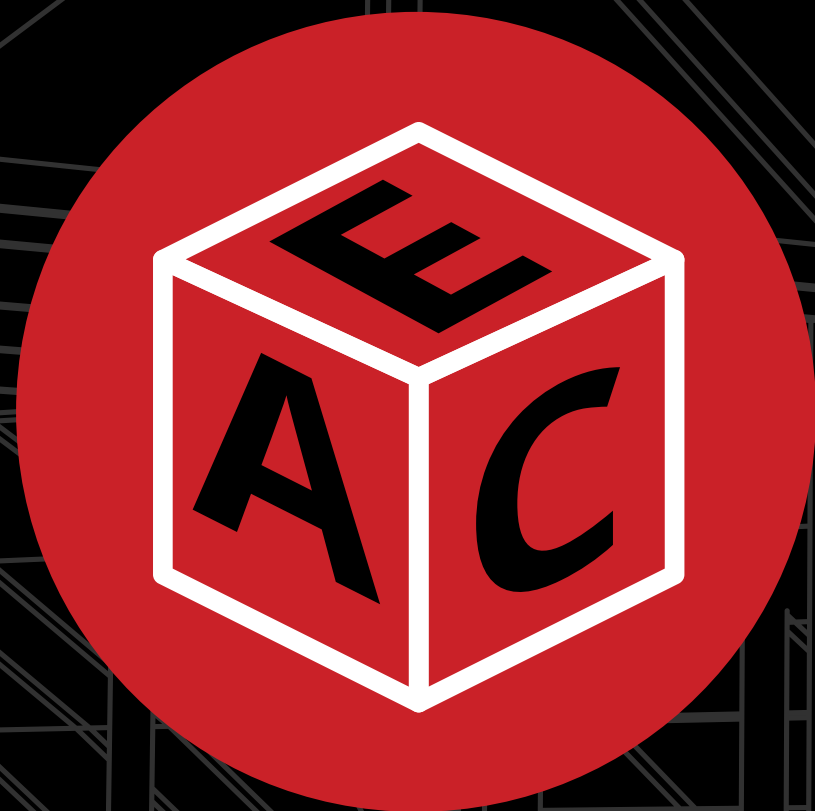


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MUKANDU

{ ABOUT US }



Mukandu is a Construction company with offices in Gombe/Kinshasa providing professional Architecture, Engineering and Construction (AEC) services in DRC.



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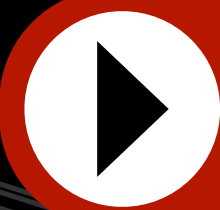
MUKANDU



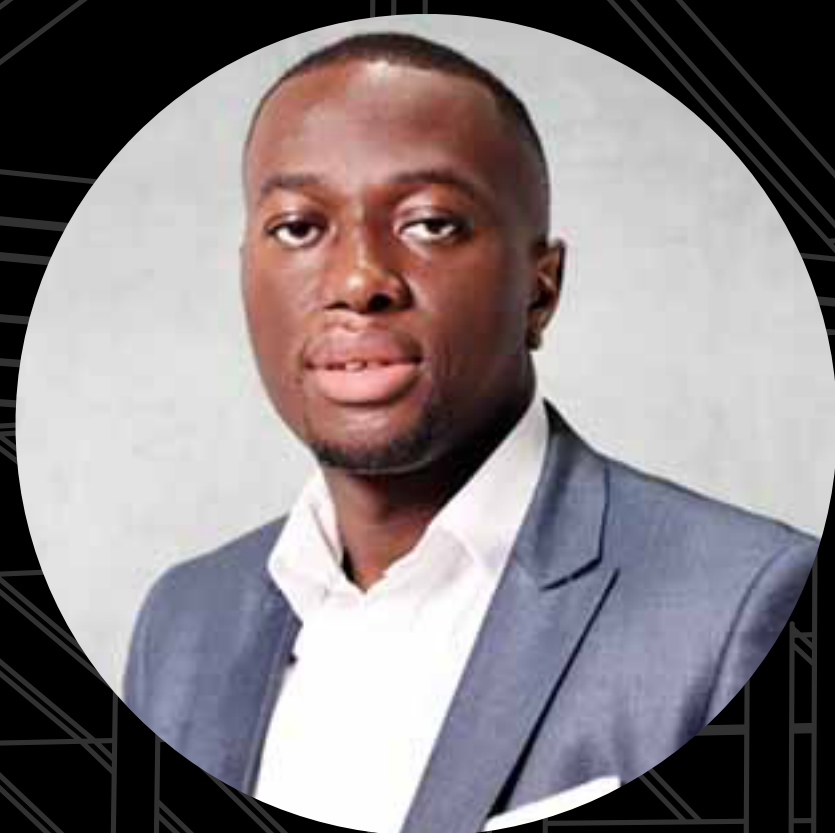
{ TRAINING PROGRAM }

Mukandu runs a training program where young architects are taught how to use the latest software in the AEC sector. The aim is to make all our employees BIM 360 ready.





MUKANDU



{ OUR MISSION }

"We strive for efficiency and excellence in all our efforts. Be it from the design process to the construction phase, we coordinate our team to participate by withholding high standards, always!"

Yannick Okuka
CEO and Founder of Mukandu



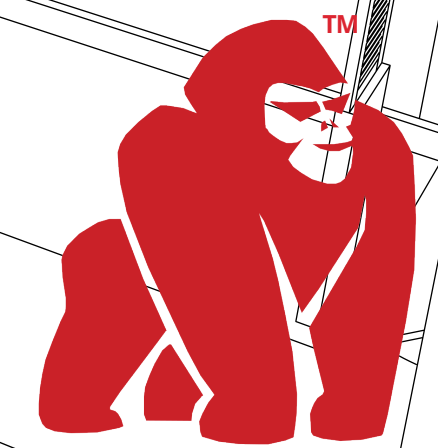
SERVICE OFFERINGS



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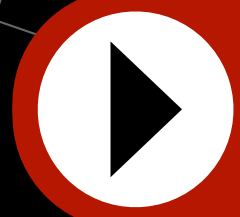
▶ SERVICES



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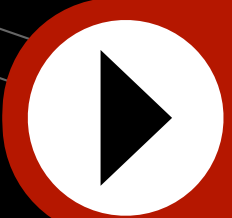
SERVICES

{ SERVICE OFFERING }

Mukandu covers the entire gamut of design-drafting, analysis and contracting services in Civil engineering across industries.

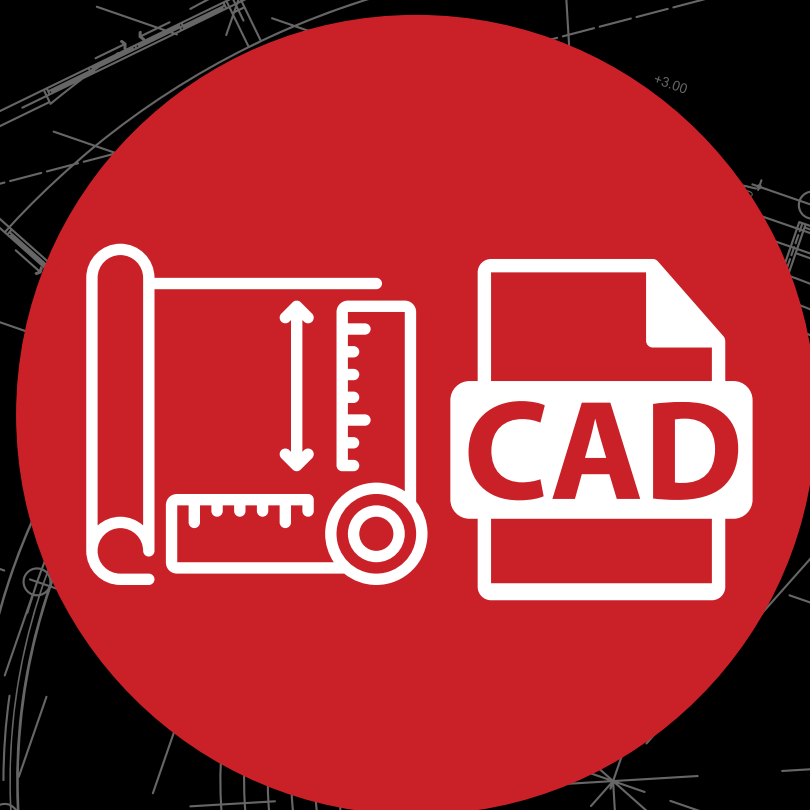
- ▶ Paper to CAD Conversion
- ▶ Construction Drawings
- ▶ Land Development Design
- ▶ Mechanical Design
- ▶ Electrical Design
- ▶ Plumbing Design
- ▶ HVAC Design
- ▶ Contracting





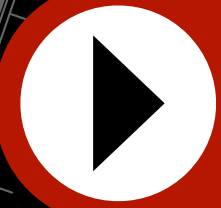
{ PAPER TO CAD CONVERSION }

Mukandu team comprises of Architects and Engineers who have rich experience across various industries and are familiar with international codes of practice. We can seamlessly put together your data and sketches to give you accurate final drawings. We not only convert, but also add value by pointing out errors and correcting them whenever needed. We ensure quality not just from a conversion standpoint but also from an operational and functional perspective.



PAPER TO CAD CONVERSION SERVICES	
Site Plans	Floor Plans
Exterior Elevations	Roof Plans
Foundation Plans	Electrical Plans
Plumbing Plans	HVAC Plans





{ CONSTRUCTION DRAWINGS }

At **Mukandu**, we have a highly skilled engineering team with the expertise in using software such as AutoCAD and Revit to create accurate construction drawings in a cost-effective manner. When you outsource construction drawing services, we create CAD drawings including section drawings, elevation details, site plan details, as well as presentation drawings to aide our growing list of clients from the real estate and construction industry.



LAND DEVELOPMENT SERVICES

Detailed Sectional Drawings

Fabrication Drawings

Council Approval Drawings

Steel Construction Detail Drawings

Re-drawing of Construction Drawings





{ LAND DEVELOPMENT DESIGN }

Land development design is an important part of any development project. Right from single-family residential projects to industrial parks, every project requires appropriate land development plan and drafting. This is exactly where land development design services can help individuals and businesses. Outsourcing **Mukandu** your land development and design will ensure excellent civil designs that are aesthetic and utility conscious.



LAND DEVELOPMENT SERVICES	
Feasibility Studies	Commercial Site Design
Site Analysis	Subdivision Projects
Residential Development	Community Development
Retail Projects	Landscape Design
Stormwater Management	Hydrology Reports



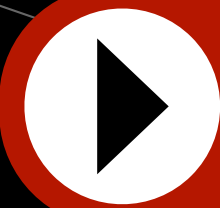


{ MECHANICAL DESIGN }

Mukandu's Mechanical Design services cover the whole spectrum right from concept design to detail design and analysis. Engaging in the industry's best practices, our very strong domain knowledge and expertise in leading software, in various industry verticals offers a host of services as part of our design and drafting services.



MECHANICAL DESIGN SERVICES	
Heating & Cooling Equipment Selection	Heat Loss and/or Gain Calculations
Heating & Cooling System Schematic Design	Underfloor Heating System
Tunnel Ventilation	Basement Ventilation and CFD Analysis
Plant Room Layout Design	Chilled Beams System
Duct Layout Drawings	Mechanical Design Services



SERVICES



{ ELECTRICAL DESIGN }

Mukandu's Electrical Design and Drafting Services offer exceptional and superior electrical designs. With the simple use of geometrical information, we deliver high-quality services by syncing electric logic diagrams with electric wires using the latest software and create electrical schematic layouts and PCB designs for all electrical and electronic equipment.



ELECTRICAL DESIGN SERVICES

Design & Drafting	Electrical Site Plans Lighting Systems
Power Systems	Power Distribution Systems
Fire Protection Systems	HT Line and LT line
Electrical, Power and Lighting System plans	Electrical Panel Schedules
Electrical One Line Diagrams	Electrical Power and Lighting System Plans
Electrical Diagrams/ Layouts in Industries	Extra Low Voltage Systems (ELV)
Access Control and CCTV	System Integration and PA Systems





SERVICES



{ PLUMBING DESIGN }

Mukandu has highly skilled plumbing drafters and detailers who are pioneers in plumbing designing and drafting services. We provide highly effective and accurate Plumbing Engineering Solutions in adherence to worldwide industry standards. Our engineers develop accurate Plumbing designs and drafts for residential, commercial and industrial buildings to global clients.



PLUMBING DESIGN SERVICES	
Plumbing Cost Estimation	STP (Sewage Treatment Plant) design
Plumbing Material Estimation	Plumbing Modeling
Plumbing Shop Drawings	Plumbing Section Drawings
Plumbing Isometric Diagrams	Piping Modeling and Drafting
Waste Water Collection System Drawings	Pipe Fabrication Drawings
Fire Fighting Systems Design Services	Piping Cost Estimation and Measurement
Residential Plumbing Systems Drawings	Commercial Plumbing System Drawings
Industrial Plumbing System Drawings	Runner Riser Diagrams





SERVICES



{ HVAC DESIGN }

Mukandu provides design and drafting of HVAC (Heating, Ventilation, and Air Conditioning) needs across global projects. We provide HVAC designs to architects, builders, contractors, and suppliers, using the latest tools and technologies. Our services also include sizing, scheduling, schematics, creating legends, details, and control diagrams, mechanical equipment layouts, elevation drawings, coordination drawings, shop drawings, and heat load calculations which comply with worldwide civil engineering standards.



HVAC DESIGN SERVICES
Drafting and design services for HVAC system construction plan drawings
Duct sizing and design layout plan drawings
Equipment piping, sizing, and design layout plan drawings
Schedules, schematics, legends, detail, and control diagrams
Mechanical equipment layouts, elevation drawings, and submittals
Addendums, coordination drawings, specifications, shop drawings, and as-builts
Piping layout, duct design, heat load calculations and plant sizing
BoQ and equipment scheduling





SERVICES



{ CONTRACTING }

As a contractor **Mukandu** has carpenters, electricians, plumbers, ironworkers, masons, and project managers. We build residential, commercial and industrial buildings. As construction is an ever evolving field we stay updated with new construction techniques and sustainability approaches as to boost efficiency, improve performance, reduce construction waste and save money. Safety is at the core of all our business practices. Every employee is trained and empowered to ensure our high safety standards are adhered to, while providing cost-effective and community-oriented solutions that make **Mukandu** a true partner to each client.



CONTRACTING SERVICES

Pre-construction

Legal and Advisory

Finance and Budgeting

Procurement

Construction

Project Management





MUKANDU[®]



Architecture, Engineering and Construction

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