

# COMPANY PROFILE



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# Introduction

Kahihi Engineering Limited is a Kenyan-registered company established in 2018, specializing in engineering construction, general supplies, and business consultancy. Since our inception, we have built a reputation for delivering quality workmanship, reliable service, and cost-effective solutions across diverse sectors.

We are committed to developing long-term partnerships with both clients and suppliers, driven by values of integrity, consistency, and transparent communication. Our team-oriented approach and passion for building meaningful relationships form the core of our business philosophy.



# Mission and Vision

## → Mission

At Kahihi Engineering Limited, we are dedicated to delivering efficient, effective, and respectful services to the public and private sectors. We uphold the highest standards of integrity, accountability, and professionalism in every aspect of our operations. By leveraging both proven methodologies and innovative solutions, we ensure that our services consistently meet and exceed client expectations while contributing to sustainable development and long-term value.

## → Vision

At Kahihi Engineering Limited, we aspire to become a world-class engineering and construction company, renowned for providing efficient, affordable, and sustainable solutions. We are committed to delivering services of the highest quality, focusing on cost efficiency while maintaining exceptional standards. Our goal is to empower our partners, contribute to the growth of local communities, and foster sustainable development through comprehensive, long-term solutions. We aim to not only meet but exceed the expectations of our clients, ensuring mutual growth and success for all stakeholders involved.



# Our Values



**Client Focus** – We listen to our clients and tailor our services to meet their unique

**Creativity** – We embrace innovation and think beyond convention to solve complex engineering challenges.

**Efficiency** – We optimize resources, time, and processes to ensure timely and cost-effective project delivery.

**Innovation** – We embrace new ideas, technologies, and approaches to improve performance.

**Integrity** – We uphold the highest standards of honesty and ethics in all our operations.

**Prompt and Lasting Solutions** – We provide timely, practical solutions designed to stand the test of time.

**Quality** – We are committed to delivering work that meets and exceeds industry standards.

**Sustainability** – We prioritize environmentally responsible and resource-efficient practices.

**Teamwork** – We believe in the power of collaboration to achieve shared goals.

# Client Onboarding



## → Initial Consultation

- Schedule a meeting (physical or virtual) to understand client needs
- Discuss project scope, timeline, budget, and expectations
- Provide company profile, portfolio, and relevant service brochures

## → Project Assessment & Proposal

- Conduct a preliminary site visit (if applicable)
- Prepare a detailed project proposal and cost estimate
- Present timelines, methodology, and resource plan



## → Engagement & Agreement

- Review and finalize the service agreement or contract
- Outline roles, responsibilities, and communication channels
- Obtain necessary approvals, permits, or documentation

## → Mobilization & Project Kick-Off

- Assign project team and project manager
- Schedule kick-off meeting with all stakeholders
- Mobilize resources and begin site preparation or service delivery

## → Ongoing Client Communication

- Provide regular updates and progress reports
- Conduct scheduled reviews and client feedback sessions
- Remain flexible to adjust to evolving project needs

# Our Services

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A close-up photograph of a construction worker's hand wearing a black nitrile glove, placing a red brick on a bed of grey mortar. The background is slightly blurred, showing more construction materials.

→ Civil Engineering Structure  
& Road Construction

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→ Building  
Construction

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→ Construction Project  
Management

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→ Land Surveying

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→ General Services

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# Civil Engineering Structures & Road Construction



In road construction, we specialize in the development of gravel roads, paving block roads, concrete roads, and bitumen-standard surfaces. Each project is executed with attention to terrain conditions, load requirements, and long-term durability.

We also construct associated drainage infrastructure, including side drains, stormwater channels, and box culverts, ensuring effective water management and the protection of road integrity.

With a skilled team of engineers and technicians, Kahihi Engineering is committed to delivering efficient, high-quality, and cost-effective solutions. All projects are managed with strict adherence to safety, timelines, and regulatory standards, ensuring reliable and sustainable infrastructure that serves communities for years to come.

# Building Construction

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Kahihi Engineering Limited is a trusted name in building construction, delivering residential, commercial, and institutional projects across both high-rise and low-rise developments. We provide complete construction solutions—from structural work to finishing and utilities—focused on quality, safety, and efficiency.

Our experienced team of engineers, architects, and managers ensures every project meets high standards in durability, design, and environmental compliance. Whether it's apartments, offices, schools, or health facilities, we build with a commitment to sustainability and community development.



# Construction Project Management



Kahihi Engineering Limited offers a comprehensive suite of construction project management services, designed to ensure the successful delivery of projects from inception to completion. Our services encompass all critical aspects of project execution, providing clients with strategic oversight, technical expertise, and effective coordination across all stages of the construction lifecycle.

Our core project management capabilities include, but are not limited to:

- Project planning and scheduling
- Construction supervision and quality control
- Contract administration and management
- Site inspections and reporting
- Resource coordination and cost management
- Risk assessment and mitigation planning



With a focus on timely delivery, budget adherence, and quality assurance, our project managers work closely with clients, consultants, and contractors to ensure that each project aligns with its defined scope, timelines, and objectives. Kahihi Engineering leverages both traditional and modern project management tools to optimize performance and minimize delays. Through our proactive approach and attention to detail, we help clients achieve project success while maintaining high standards of safety, compliance, and accountability.





# Land Surveying



Kahihi Engineering Limited offers comprehensive land surveying services, delivered by a team of certified and experienced professionals. Our surveying operations are structured to cover all technical and legal aspects of land measurement and mapping, ensuring accuracy, reliability, and compliance with applicable regulations.

Utilizing state-of-the-art surveying equipment and technology, we are able to carry out efficient field data collection and layout work across diverse terrain and project types. This modern approach enhances precision and reduces turnaround time, enabling us to meet project deadlines without compromising quality.

Our services include:

- Boundary Surveys – Accurate determination and marking of property lines.
- Site Planning Surveys – Detailed surveys used in the planning and design of engineering and architectural projects.
- Topographic Surveys – Measurement of elevation and land features for planning and development purposes.
- Land Boundary Subdivision Plans – Preparation of subdivision layouts in accordance with local land administration guidelines.

With a commitment to professionalism, technical excellence, and client satisfaction, Kahihi Engineering continues to support land development and infrastructure planning through reliable surveying solutions.

Let me know if you'd like to include sample projects or tools (e.g., GPS, Total Station, drones) used in your fieldwork.

# General Services

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Kahihi Engineering Limited offer high Quality product , since most of our products are imported from the highest brand and certified by the Kenya Bureau Of Standards some of the Equipment we provide are shown below

PIPELINE  
EQUIPMENT

CONCRETING  
EQUIPMENT

HAULING  
EQUIPMENT

PILING/DIAPHRAGM  
WORKS

EARTHWORK  
EQUIPMENT

# Our Approach

At Kahihi Engineering Limited, our approach to delivering engineering and construction solutions is grounded in professionalism, efficiency, and client satisfaction. We believe that every project, regardless of size or complexity, deserves a well-structured process backed by experience, innovation, and attention to detail.

Our operations are guided by a client-focused philosophy—we listen, understand, and collaborate closely with our clients to ensure their goals are fully realized. We view each engagement as a partnership, working transparently and responsively to deliver outcomes that meet expectations and add value to our clients' investments.

From project initiation to final handover, we apply a methodical and results-driven process, which includes:

- **Comprehensive Planning** – Every project begins with careful planning and feasibility analysis to ensure alignment with client needs, budgets, and timelines.
- **Technical Excellence** – Our team of certified professionals brings deep technical knowledge across civil engineering, building construction, roadworks, project management, and land surveying.
- **Quality Assurance** – We maintain high standards in both service and material quality. All deliverables are subjected to rigorous inspection and quality control procedures.
- **Innovation & Technology** – We utilize modern tools, technologies, and construction equipment to optimize efficiency, accuracy, and safety on all projects.
- **Sustainability & Compliance** – We are committed to environmentally responsible practices and operate in full compliance with local and international engineering standards.

What sets Kahihi Engineering apart is our ability to integrate multiple disciplines under one roof—from supplying high-grade construction equipment to executing complex infrastructure projects—providing our clients with a single, reliable point of contact for their construction and development needs.

Our success is measured not only by the timely delivery of projects but by the lasting relationships we build with our clients. Through consistent communication, flexible service delivery, and a commitment to exceeding expectations, Kahihi Engineering Limited continues to earn the trust of clients across Kenya and beyond.



# Case Studies

## Civil Engineering and Road Construction – Case 01

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### → Background

The project involved upgrading a gravel road to a bitumen-standard road connecting remote agricultural communities to urban centers in Western Uganda. The goal was to improve access to markets and reduce travel time.

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### → Scope of Engagement

- Kahihi Engineering Limited provided a full suite Surveying and design of the 65 km road
- Construction of culverts, small bridges, and drainage systems
- Asphalt paving
- Road signage and safety barriers



## → Challenges

- Unpredictable weather delayed earthworks
- Community resistance due to land acquisition
- Supply chain delays in importing materials

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## → Solution

- Adjusted construction schedule to dry seasons
- Held stakeholder engagement meetings to resolve land disputes
- Sourced materials locally to reduce dependency on imports

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## → Results

- Travel time reduced from 2.5 hours to 45 minutes
- Agricultural trade increased by 35% within the first year
- Project completed 3 weeks ahead of schedule and under budget by 8%



# Building Construction – Case 02

## → Background

Kahihi Engineering was contracted to design and construct a three-story modern health facility in an underserved region. The building needed to meet both local and international health facility standards.

## → Scope of Engagement

- Site preparation and foundation
- Superstructure with reinforced concrete
- Plumbing, electrical, and HVAC installations
- Finishings and landscaping
- Integration of solar power backup





## → Challenges

- Limited skilled labor in the area
- Variations in soil bearing capacity
- Budget constraints due to rising material costs

## → Solution

- Imported skilled labor for key tasks while training locals for support roles
- Adjusted foundation design after conducting additional geotechnical tests
- Partnered with local suppliers for subsidized materials

## → Results

- Fully functional hospital handed over 2 months early
- Facility passed Ministry of Health audit with 96% compliance
- 50+ local workers gained on-the-job training



# Construction Project Management – Case 03

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## → Background

Client: Real estate developer seeking to build a mid-size urban mall with parking, shops, and office spaces.

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## → Scope of Engagement

- Full project life-cycle management (initiation to closeout)
- Budgeting, scheduling, procurement, contractor coordination
- Risk, quality, and stakeholder management
- Construction progress monitoring via drone technology



## → Challenges

- Multiple subcontractors with varying quality standards
- Delay in municipal permit approvals
- Fluctuation in construction material prices

## → Solution

- Standardized quality assurance protocols across all contractors
- Deployed legal and compliance liaison team to expedite approvals
- Negotiated fixed-price contracts with suppliers

## → Results

- Mall opened 1 month early, achieving 80% occupancy on day one
- Kept project within 3% of original budget
- Client satisfaction rating: 9.2/10





# Land Surveying – Case 04

## → Background

The municipal council commissioned Kahihi Engineering to conduct a large-scale land and topographical survey to support urban planning initiatives.

## → Scope of Engagement

- 150 sq. km of land surveyed using GNSS and drone tech
- Topographic and cadastral mapping
- Boundary verification and land use classification
- GIS database development for municipal planning



## → Challenges

- Inaccessible terrain in certain zones
- Mismatch between old paper maps and actual land data
- Weather interruptions

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## → Solution

- Used drones and RTK GPS for hard-to-reach areas
- Digitized and reconciled old records with field data
- Scheduled field work during optimal weather windows

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## → Results

- High-resolution GIS data integrated into city's planning system
- Reduced land dispute cases by 40% in 12 months
- Enabled smart zoning and infrastructure planning



# Construction Project Management – Case 05

## → Background

The Ministry of Education commissioned Kahihi Engineering Limited to manage the construction of new infrastructure for a public secondary school, including classrooms, science labs, staff quarters, sanitation facilities, and a school hall. The project was part of a national education access improvement program, aimed at underserved rural areas.

## → Scope of Engagement

- End-to-end project management from concept design to handover
- Management of multiple contractors and suppliers
- Oversight of budget allocation from government and donor funds
- Scheduling using Microsoft Project and Gantt charts
- Weekly progress reviews and monthly stakeholder reporting
- Health, safety, and environmental (HSE) compliance monitoring





## → Challenges

- Unstable funding flow due to delayed disbursements
- Lack of local construction materials, requiring imports
- Need for work to be completed during the school break period

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## → Solution

- Phased construction aligned with partial funding tranches
- Bulk ordering of imported materials early to prevent delays
- Developed a compressed work schedule with two 10-hour shifts per day

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## → Results

- 12 new structures completed and operational within 7 months
- Employment provided to over 100 local workers (60% youth)
- Handover completed 2 weeks before the new school year
- Education ministry commended the project for transparency and cost control



# General Services – Case 06

## → Background

The Ministry of Works and Transport awarded Kahihi Engineering Limited a 12-month framework contract to supply assorted construction materials for ongoing infrastructure projects. This included cement, rebar, industrial paint, PPE, and plumbing fixtures. The contract aimed to streamline procurement processes while ensuring timely and consistent delivery across regional construction sites.

## → Scope of Engagement

- Procurement, warehousing, and delivery of 30+ construction material items
- Monthly demand forecasts and restocking plans
- Quality control inspections for every batch
- Coordination with customs for imported goods
- Fleet management for last-mile delivery to remote sites

Project tracked using inventory and logistics software with real-time stock level updates.

## → Challenges

- Global supply chain disruptions caused fluctuating availability of key materials
- Delays at border points due to changing import regulations
- Risk of counterfeit materials in local markets
- Complex coordination with multiple delivery points across the country

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## → Solution

- Established partnerships with certified local distributors and regional manufacturers
- Created a dedicated import logistics team to monitor cross-border compliance
- Implemented a QR-code tracking system for quality verification at delivery points
- Consolidated shipments and used GPS tracking for real-time delivery monitoring

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## → Results

- 97% on-time delivery rate over 12 months
- Reduced material procurement delays on government projects by 30%
- Zero rejected consignments due to defective goods
- Framework contract renewed for an additional year due to performance



# Partnership



**CONSTRUCTION**





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