



AN AFRICAN FIRM WITH A GLOBAL MIND

ALENG Holding Company (ALENG) is your strategic partner to expand your business in the Sub-Saharan African Market. We have expertise in the Power and Renewable sector as well as a vast knowledge of the African market, which are key to our client's success.

INTRODUCTION

ALENG Holding Company is a multidisciplinary engineering firm specializing in Engineering Consulting and Renewable Energy field.

Our operational activities expand to various countries in the Sub-Saharan African region and consist of a wide base of local and international partners as well as power utility companies from different African countries.

We have offices in South Africa, the Democratic Republic of Congo (DRC) and Tanzania. The office in South Africa is responsible for operations in Southern Africa and the DRC office covers all operations in French-speaking countries other than SADC.

ALENG brings together experts from several disciplines of engineering and project management in order to build strong multi-skilled teams.

We are able to present a wide range of services, from initial project definition to implementation.



OUR COMPANY

Welcome to ALENG Holding Company, where innovation meets sustainability and expertise converges with vision. As a leading entity in the realms of engineering consulting and renewable energy, we redefine possibilities, empowering businesses to thrive in an ever-changing world. Our commitment lies in pioneering solutions that not only meet the demands of today but also shape the future. With a focus on cutting-edge engineering expertise and renewable energy technologies, we drive sustainable progress, ensuring a brighter, cleaner, and more efficient tomorrow for all. Join us on this transformative journey, where every idea is a building block for a sustainable future.

OUR MISSION

Our mission is to provide the highest quality service to our clients and surpass our customer expectations. Through our commitment to excellence, we strive to continually improve our standard of service and support, but also enhance people skills transfer within the African market.

OUR VISION

ALENG's vision is to be a global leader in engineering consulting and renewable energy solutions, driving the transition towards a sustainable and eco-friendly future. We envision a world where businesses and communities seamlessly integrate renewable energy into their operations, reducing their environmental impact and enhancing their resilience. By fostering innovation, promoting environmental stewardship, and empowering local communities, we aspire to create a legacy of sustainable progress that benefits present and future generations. Our aim is to be at the forefront of shaping a world powered by clean, renewable energy sources, ensuring a greener planet for all.

OUR VALUES

Customer-centricity is our core value; we ensure that the service rendered exceeds the expected results with a strong attention to quality.

We care for our clients' business as our business. Our objective is to make our clients' products and services stand out from competition.

our values serve as the guiding principles that define our identity and drive our actions:

Innovation: We constantly explore new horizons, pushing boundaries to develop cutting-edge solutions in engineering and renewable energy.

Sustainability: We are deeply committed to environmental stewardship, striving to create sustainable solutions that minimize our ecological footprint.

Integrity: We uphold the highest ethical standards, fostering trust and transparency in all our interactions with clients, partners, and communities.

Excellence: We relentlessly pursue excellence in everything we do, delivering top-notch engineering consulting and renewable energy services that exceed expectations.

Collaboration: We believe in the power of teamwork and collaboration, working closely with clients and partners to co-create innovative and impactful solutions.

Community Engagement: We actively engage with local communities, empowering them through education, employment, and sustainable initiatives that enhance their well-being.

These values not only guide our company's decisions and actions but also shape our contribution to a more sustainable and prosperous world.



SERVICES

ENGINEERING CONSULTING

The Engineering consulting at ALENG is centered around expertise in power system design, project system design, project management, and building services. Our team of seasoned engineers leverages their extensive knowledge and cutting-edge technology to provide comprehensive solutions. From conceptualization to implementation, we specialize in designing efficient power systems tailored to specific needs. Our project management services ensure seamless execution, meeting deadlines and exceeding expectations. Additionally, our expertise extends to optimizing building services, ensuring sustainable, energy-efficient, and technologically advanced solutions for various projects. At [Holding Company Name], we deliver excellence in every aspect of engineering consulting, shaping a future powered by innovation and sustainability.

RENEWABLE ENERGY

In the realm of renewable energy, ALENG stands as a beacon of innovation and sustainability. We are deeply committed to harnessing the power of renewable resources to create a cleaner, greener future for our planet. Our expertise spans a wide array of renewable energy sources, including solar, wind, hydro, and geothermal. Through meticulous research, innovative design, and strategic implementation, we develop state-of-the-art renewable energy solutions tailored to meet the unique needs of our clients.

From large-scale solar farms to cutting-edge wind energy projects, we are dedicated to advancing the renewable energy sector. At ALENG, we believe that a future powered by clean, renewable energy is not just a possibility; it is an imperative. Together, let's pave the way for a sustainable tomorrow, one megawatt at a time.



CONSULTING AND EPCM BUSINESS

The Engineering Consulting department is specialized in power system studies, project system design, project management and building services.

Along with our partners, we provide services within the power plant such as electrical equipment testing and commissioning of power transformers, circuit breakers, cables, current transformers, voltage transformers, etc.

Our team has worked with utilities in many African countries and operating environments to design innovative solutions for transmission and distribution networks.



POWER SYSTEM STUDIES

- Power System Planning
- Services Electrical Network Studies
- Renewable Grid Connection
- Refurbishment Plan
- Protection Study
- Field Audit and Inspection



PROJECT SYSTEM DESIGN AND CONSTRUCTION

- Substation and Line Design.
- Electrification Design and Construction
- Distribution Systems Design



PROJECT MANAGEMENT

Energy solutions from the feasibility and concept design stages through to project delivery.

Technical recommendations on design, end-to-end project delivery, technical investigations, specification production, tender analysis, procurement, power system analysis, inspection, and testing.



BUILDING SERVICES

Expertise and innovative thinking from turnkey projects and new developments to refurbishment or retrofit of existing buildings.

Concept Design
Detailed Design
Value Engineering
Project Management

RENEWABLE ENERGY SOLUTIONS



ALENG offer a range of solutions to clients aiming to transition to sustainable energy sources. these solutions include.

1. **Grid Connection Studies:** Analyzing the grid infrastructure and determining the feasibility of connecting renewable energy projects to the existing grid, ensuring stability and reliability.
2. **Resource Assessment:** We assess the renewable energy potential of a specific area, analyzing factors like solar radiation, wind speed, or hydrological data. This assessment helps determine the feasibility of renewable energy projects.
3. **Technology Selection:** We help clients choose the most suitable renewable energy technology based on their needs and available resources. This could include solar photovoltaic systems, wind turbines, biomass energy, or geothermal systems.
4. **System Design:** Consultants design efficient and customized renewable energy systems tailored to the client's energy requirements. This involves detailed engineering to ensure optimal performance and integration with existing infrastructure.
5. **Feasibility Studies:** Consultants conduct thorough feasibility studies, evaluating the economic, technical, and environmental viability of renewable energy projects. This information aids in decision-making processes.



6. **Market Analysis:** Analyzing market trends, demand patterns, and competitive landscapes to provide insights for renewable energy investments and market entry strategies.
7. **Due Diligence:** Conducting thorough due diligence assessments for investors, verifying project viability, regulatory compliance, and financial integrity.
8. **Regulatory Compliance:** Consultants guide clients through the complex regulatory landscape, helping them understand and comply with local, regional, and national regulations and permits related to renewable energy installations.
9. **Financial Analysis:** Consultants perform financial assessments, including cost-benefit analyses and return on investment calculations, to help clients understand the financial implications of adopting renewable energy solutions.
10. **Project Management:** Consultants provide project management services, overseeing the implementation process from procurement to construction, ensuring that the project is completed on time and within budget.

11. **Training and Education:** Consultants offer training programs and educational workshops to empower clients' teams with the knowledge and skills needed to operate and maintain renewable energy systems effectively.

12. **Monitoring and Maintenance:** Consultants establish monitoring systems to track the performance of renewable energy installations continuously. They also provide maintenance services to ensure the systems operate at peak efficiency over their lifespan.



PROJECTS DONE AND ONGOING PROJECTS

ENGINEERING SERVICES PROJECTS

- **Master Plan** | Botswana | **Energy Master Plan** for the entire Country
- **Design Project**| KCC | **15kV line** construction in Kolwezi, KCC Mine
- **Design Project** | SNEL | **220kV** Station de Conversion de Kolwezi (SCK) Substation.
- **Design project** | MMG Mine |Construction of **33kV MV lines**. ALENG is doing the project|Management for this line construction.
- **Project Management project** | Umhlathuze | **132kV** substation construction in Umhlathuze.
- **Due Diligence and Cost Estimate Project** | 132 HV Cable supply to CONCO for Tanzania project.
- **Power System Project** | Power system studies for Grootegeeluk mine
- **Design Project** | ZA200785 - Supply, construct, install and commission at Aries/ Loop 12 and Juno/ Loop 4
- **Power System Project**| Load flow study and protection coordination study for Arnot mine in South Africa



ENERGY SERVICES PROJECTS

- **Appui PERER au développement de Lots des villages** pour l'Agence de Développement de l'Electrification Rurale (ADER) | Madagascar
- **National strategic Energy Project**| TETRATECH – EASE WORLD BANK GROUP UCM | Restructuration de la Société Nationale d'Electricité du Congo (SNEL SA) et Renforcement du Cadre Institutionnel et Régulateur du Secteur Electricité de la RDC.
- **National Master Plan** | Botswana | **Energy Master Plan** for the entire Country
- **Feasibility Study Project** | **100MW** renewable study for CIG in Kolwezi
- **Design and Supply of conductor and OPGW** for the 132kV Powerline Construction for Perdekraal **Wind Farm**: Adamskraal-Kappa
- **Due Diligence Project** | 40MW PV plant pre-assessment in Zambia | Grid Connection Studies and Option Evaluation.
- **Pre-feasibility Study Project** | Integrated Development Framework | Electrification of Rurale areas in **Bay d'Antongil** under Deutsche Gesellschaft für Internationale Zusammenarbeit (German Corporation for International Cooperation)
- **Pre-feasibility Study Project** | Integrated Development Framework | Electrification of Rurale areas in **Mahitsy** under Deutsche Gesellschaft für Internationale Zusammenarbeit (German Corporation for International Cooperation)
- **Design and Project Management Project**| Installation of PV Roof Top for 102 houses in Lubumbashi.
- **Due Diligence Project** | Study on the possibility to electrify 85 villages in the North of Limpopo, South Africa via renewable energy sources.
- **Pre-feasibility Study Project** | Integrated Development Framework | Electrification of Rurale areas in Jiro under Deutsche Gesellschaft für Internationale Zusammenarbeit (German Corporation for International Cooperation)



OUR CLIENTS

ERG AFRICA



CITY OF
UMLATHUZE
VISION INTO ACTION



giz

Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

BARRICK

**TENKE
FUNGURUME Mining**
Une filiale de CMOC International



P E R E N C O



KAMOA COPPER SA
Société anonyme avec conseil d'administration



VIRUNGA | ENERGIES
RÉPUBLIQUE DÉMOCRATIQUE DU CONGO

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