

ENGINEERING CONSULTANCY SERVICES

TURNKEY / EPC SOLUTIONS

ABOUT COMPANY

EDALI was founded by a group of young Professionals having its principal office at 1 KN 78 St Kigali, Rwanda. EDALI offers a comprehensive range of consultancy services as well as Engineering, Procurement and Construction Solutions for Government, Electric Utilities, Municipalities, Independent Power Producers, Industrial and Commercial clients. Our solutions include but not limited to: Project Management, Engineering Design, Procurement, Construction, Contract Administration, Construction Supervision and Technical Investigations.



CONTACT US

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Our Mission

Our mission is to uplift, develop and empower our local communities, institutions, businesses and other organisations by implementing safe, efficient, economical and reliable design and installation methods that ensure quality electrical engineering solutions reach the Rwandese people.

Our Vision

At EDALI, our vision is to be the African leader in implementing both traditional and modern innovative solutions in the area of high voltage electrical engineering solutions for industry.

OUR SERVICES

Engineering consultancy services

Turnkey ' EPC Solutions



WHO WE ARE

The establishment of the firm was prompted by the belief that in the economic development of Rwanda, the Rwandan himself must be in the forefront. We believe as an entity that the Rwandan Engineer and allied professionals have attained the professional maturity and competence to be able to contribute to the nationwide aspiration and march towards economic growth and sustained development.

Our Philosophy

The company's philosophy is characterized by essential values such as quality, safety, environmental friendliness and the policy of training and integrating in our core team local personnel from which ever communities that we operate.

EDALI has highly qualified and dynamic technical personnel with extensive knowledge in the various fields of operations ranging from Generation, Transmission and Substation Design, OPGW Installation and Splicing, Protection and Control, Power System Analysis etc.



COVERED BY AN INSURANCE

EDALI has full indemnity insurance on professional services rendered. However, construction insurance is initiated on a project-by-project basis.

AREAS OF SPECIALIZATION

ENGINEERING CONSULTANCY SERVICES

PROJECT MANAGEMENT

A successful project Manager must simultaneously manage the four elements of a project namely resource, time, cost and scope. EDALI provides project management services for newly built power generation, substations, transmission line, upgrades, reticulation, electrification, building services and renewable energy projects.

POWER GENERATION

Commissioning involves the successful testing unit alignment; Rotational run-out checks; Rotor diameter measurement; Rotor roundness measurement; Stator bore diameter measurement; Stator roundness measurement; Air-gap measurement; Bearing alignment and clearances; Verification of temperature devices; Current transformer polarity checks; Braking system; Bearing oil lubrication system; Stator and rotor winding resistance measurements; Open circuit saturation test; Short-circuit test; Phase sequence test; Heat run; Over-speed tests and Load rejection tests.

POWER SYSTEM STUDIES

Power system studies determine equipment sizing, configurations, protection relay settings and coordination. Typical studies include master plans, load forecast, network modelling, load flows, short circuit, harmonics analysis, filter sizing, reactive power control and Earthing.

ENGINEERING & DESIGN

EDALI offers design and engineering services for both substations and transmission line, electrical and mechanical services for buildings. This includes Protection, automation, control and metering, equipment and tower foundation designs for voltage levels up to 330kV.

AREAS OF SPECIALIZATION

ENGINEERING CONSULTANCY SERVICES

SUBSTATION AND TRANSMISSION LINE COMMISSIONING AND TESTING

Commissioning involves the successful testing of conductors, cables, distribution and power transformers, switchgear, protection and control of transmission lines and substations – up to voltage levels of 330kV.

SUBSTATION AND TRANSMISSION LINE MAINTENANCE

EDALI ensures that Substation and Transmission assets remain within the operating health by developing a Transmission Line and Substation maintenance services for clients and utilities. The services include system testing, the analysis of test results, maintenance, consultation, technical support and training.

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AREAS OF SPECIALIZATION

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HYDRO AND SOLAR

EDALI is involved in the Engineering, Procurement and Construction that delivers up to 20MW.

SUBSTATION AND TRANSMISSION LINE

EDALI is involved in the Engineering, Procurement and Construction that delivers up to 161, 220kV, 330kV Transmission Single and Double Circuit Towers, Conductors, Insulators, OPGW, AWA Shield wire, Circuit Breakers, Disconnect Switches, Surge Arresters, Line Traps and Protection and Control.

ELECTRIFICATION

EDALI installs and commissions 11kV and 33kV distribution lines and substations. The systems include paper insulated XPLE cables, vacuum SF6 or oil insulated circuit breakers, RMU, protection equipment, distribution transformers, 11 – 14m Poles and related equipment.

AREAS OF SPECIALIZATION

COMPUTING FACILITIES

**OUR SOFTWARE BASE USED IN
EXECUTING OUR PROJECTS IS LISTED
BELOW. COMPETENCY LEVEL IN THEIR
USAGE IS GENERALLY ADVANCED**

- DgSilent
- Power Factory
- PLS CADD
- Project Manager
Software
- StaadPro
- Etabs
- SAP2000
- Safe
- MidasGEN
- Autodesk Revit
- CSC Orion
- Tedds
- Robot Structural
Analysis