



**ice** THE  
INTERNATIONAL  
CENTER FOR ENERGY

Economy | Energy | Environment | Empowerment



vision



*Our vision  
at ICE  
is to create a  
sustainable and  
equitable energy future  
that empowers all  
communities.*



# Who we are

Recognizing the opportunity for emerging economies to transform their energy sectors and to also provide pivotal value and support to energy sectors globally, the International Center for Energy (“ICE”) is created to provide regionally tailored solutions designed to inspire and propel governments and organizations towards sustained innovation and efficiency in their energy ecosystems covering the Oil, Gas and Electricity value chains.

With a presence across Africa and energy sectors globally, ICE mobilizes expert energy consultants who are proven leaders in strategic development, implementation, sustainability and capacity building. Together we are dedicated to transforming the energy infrastructure of Sub-Saharan Africa, driving reform and tangible development, and offering vital expertise to overcome deeply endemic challenges.

As intermediaries, we build effective multi-stakeholder platforms, mobilize communities and ultimately provide a connection of fresh innovative ideas with visible economic integration, regional growth and environmental stewardship.



*...we are dedicated to transforming the energy infrastructure of Sub-Saharan Africa,*

# Our Operations

## Oil and Gas

We provide turnkey consultancy services and technical support for oil & gas projects and transactions across the full spectrum of production; upstream (exploration & production) midstream and downstream. Utilizing advanced technologies and expertise, we design cost effective, efficient and reliable commercial solutions. We provide the necessary support and bespoke methodology to ensure the successful implementation of projects in Sub-Saharan Africa.

Our dedicated technical and project management team have formidable accomplishments in geosciences and reservoir; energy financing; taxation; legislative development including legal services; design; construction; procurement; environment; education; capacity and local content development.

## Power (Electricity)

We provide innovative, reliable, and cost effective solutions across power generation, transmission and distribution. Our engagements in this sector include; technical and policy consultancy, commissioned research, implementation of proven emerging technologies, technical partnerships, strategy development and enforcement.

We work with innovative entrepreneurs, public and private sector organizations providing skilled support for key innovative projects, developing industry and project growth strategies and implementing coordinated solutions to increase and compliment the provision of safe and reliable electricity across Sub-Saharan Africa

## Renewable Energy

Championing the transition to environmentally responsible energy sources across Sub-Saharan Africa, we facilitate access to finance, technical assistance and project management support for a range of renewable energy projects including Solar, Wind, Geothermal and Waste to Energy. Our network of technical partners offers innovative and advanced technology solutions, design, construction, procurement, implementation and technical training support.

We undertake in-depth studies and design tailored solutions for the development of clean energy legislation to drive the strategic transition to sustainable renewable energy systems.

# What We do



## **Consultancy & Advisory**

Influencing positive change in the energy sector requires effective public policies, strong institutions and regulations, progressive leadership and effective resource allocation within the political, economic and social contexts. At the core of our Consultancy & Advisory efforts is a commitment to bilateral communication and multi-stakeholder engagements. We believe in the development of strong networks and long term relationships across the globe which we can leverage in identifying pivotal challenges in Sub-Saharan Africa and explore viable opportunities for advancement. We engage, investigate, analyze and offer solutions that enable public and private energy institutions to strategically improve their performance and positioning in today's challenging energy environment. We specifically provide critical support in developing bespoke solutions to address and overcome industry challenges.

## **Capacity Development & Empowerment**

Capacity Development & Empowerment is integral to our work in Sub-Saharan Africa. We not only design regionally relevant professional training programs but provide expert sustainability strategies and manpower which make deliberate preparation for projected growth up to 50 years in advance. Our programs provide expertise and support to provoke innovative perspectives and chart the most direct route to success.

## **Projects & Project Management**

Our multidisciplinary team of accomplished energy experts bring years of practical experience from energy sectors in Africa and across the globe. With proven skills in several disciplines including; geoscience & reservoir, energy economics, finance, taxation, legislative development, legal services, construction, procurement, environment, capacity development, local content and education among others, ICE is positioned at the forefront of innovative advancements in Projects and Project Management. We provide quick and effective customized solutions critical to the development of advanced infrastructures, institutional capacity building and the effective deployment of human capital.

# Service Areas

## Our services are on three focus areas:

- (i) Oil & Gas
- (ii) Blue Economy
- (iii) Renewable Energy

### Oil & Gas

In the oil and gas sector, our project management services are designed to optimize the entire lifecycle of energy projects, from exploration to production and decommissioning. We manage the complexities of upstream, midstream, and downstream operations with a focus on efficiency, safety, and regulatory compliance. Our expertise extends to geoscience and reservoir management, enabling us to accurately assess and develop oil and gas reserves. Working with a consortium of experts, we also provide strategic guidance on taxation, finance, and legal services, ensuring that every project is financially viable and legally sound.

### Blue Economy

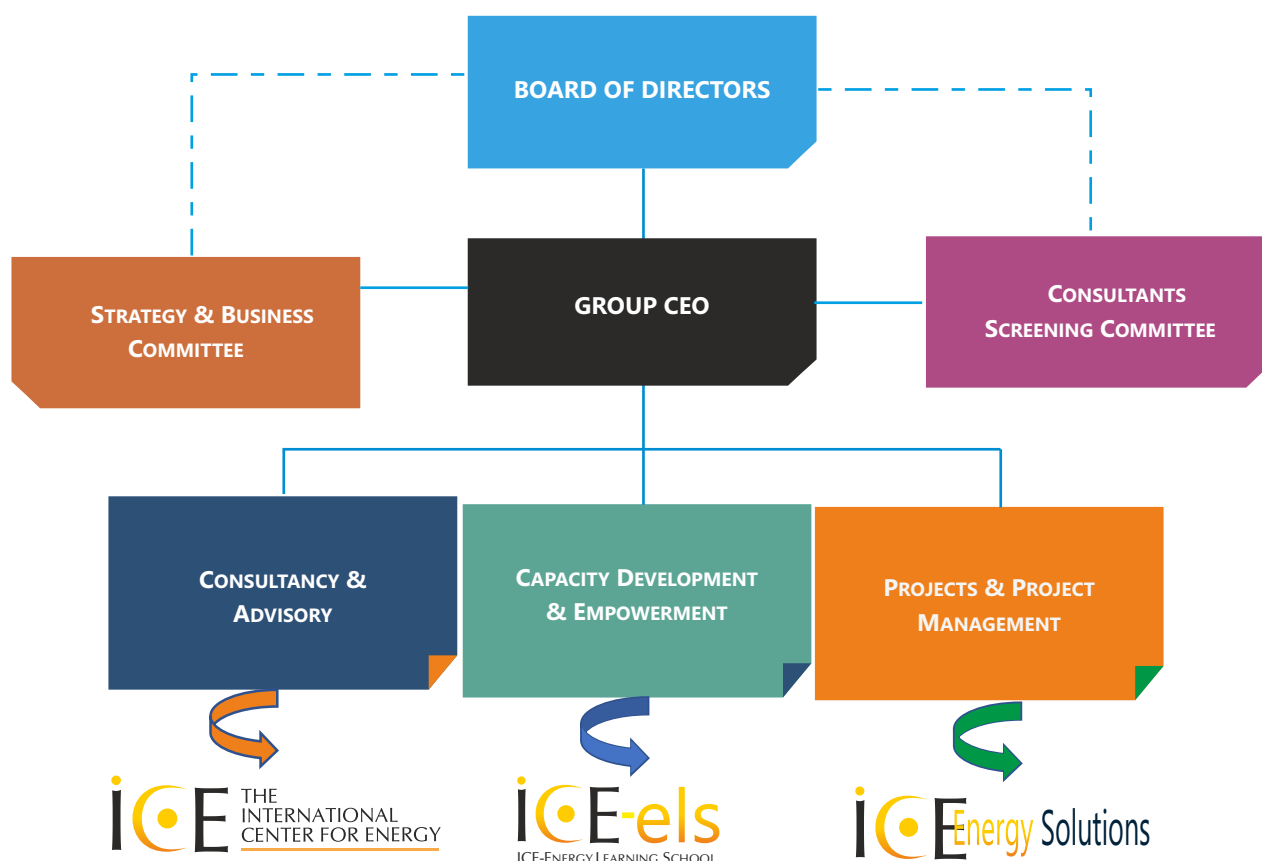
Our commitment to the blue economy involves developing projects that harness the economic potential of oceans, seas, and coastal areas. We offer comprehensive project management services that encompass sustainable fisheries, marine energy, and coastal tourism. By integrating environmental stewardship with economic development, we help clients navigate the challenges of marine resource management. Our team's expertise in environmental conservation and local content ensures that projects not only drive economic growth but also preserve the natural resources vital to the blue economy.

### Renewables

In the renewables sector, our project management services are geared towards accelerating the transition to sustainable energy sources. We oversee the development of solar, wind, and hydroelectric projects, providing end-to-end management from site assessment to commissioning. Our multidisciplinary approach includes energy economics, legislative development, and capacity building, ensuring that renewable energy projects are both technically and financially sustainable. We also prioritize local content and community engagement, fostering long-term benefits for the regions in which we operate.

By offering tailored solutions across these critical sectors, we are at the forefront of driving energy innovation and sustainable development in Africa and beyond. Our holistic approach to project management ensures that every project we undertake is executed with precision, efficiency, and a commitment to excellence.

# Our Organizational & Operational model



For administrative ease and efficiency, our Consultancy and Advisory initiatives are within the remit of our parent firm, The International Center for Energy. In a similar vein, our Capacity Development & Empowerment work is channelled through ICE Energy learning School, a training and capacity development institution committed to building and enhancing local expertise in Oil & Gas, Power, Energy, Blue Economy and Climate Change, across Africa.

Given the peculiar demands which the extractive industry is associated, the ICE-Energy Solutions is responsible for Projects and Project Management towards optimizing energy usage, enhance efficiency and reduce environmental impact by providing various strategies, technologies, products and services that address various aspects of energy generation, transmission, consumption and sustainability.

# Our Services

## a) Oil and Gas

### *Our services include:*

- Geoscience & Reservoir
- Project design, construction, procurement and management
- Transaction management
- Opportunity identification and strategy development
- Environmental scan
- Pipeline construction design and management
- Draft legislative framework and regulation for oil, gas and power sector
- Feasibility study for petroleum refinery and industrial parks
- Oil operators and oil community mediation frameworks

## b) Power

### *Our services include:*

- Opportunity identification and advisory
- Draft electricity regulation and policy reform
- Developing dispute resolution mechanisms and platforms
- Bespoke roundtable solutions delivery
- Reliability, harmonic and power flow analysis
- Assessment and strategies for developing smart grid technologies
- Business plan, performance improvement and benchmarking
- Upgrade and rehabilitation of transmission and distribution infrastructure

- Plant performance evaluations
- Implementation of computerized maintenance management systems
- Transmission line construction and management
- Feasibility and environmental study
- Equipment specification and procurement
- Specialized testing services

## c) Renewable Energy Services

### *Our Services include:*

- Development of renewable energy funds
- Renewable energy policies
- Planning a strategic transition to clean energy
- Feasibility Studies: Geothermal, wind, solar and Waste to Energy (WtE) projects
- Project management
- Implementation of computerized maintenance management systems
- Procurement





# Why It Works

## *The ICE Approach*

In delivery on any project we employ the following proven approaches:

- Mobilize experienced experts with a firm understanding of regional nuances
  - Combine unique expertise and both technical and associated non-skills sets
  - Enshrine productive processes of planning, implementation, benchmarking and continued self-assessment
  - Harness “disruptive creativity” and focus on innovation
  - Create empowering and enabling environments where innovation thrives beyond just another consultancy engagement.
- Build public-private sector partnerships or broad-based coalitions
  - Develop frameworks, roadmaps, tools and other resources that facilitate industrial and/or economic change



# How We Engage

We inspire and foster a seamless interplay between strategies, design, process, technology and people to help our clients build internal capacity whilst we deliver solutions for their immediate needs.

Our experienced experts lead and deliver generative guidance within the organizational culture creating an environment for reigniting a consensus of equitable investment and inspire creativity. We emphasize cooperation within organizational hierarchy and through a collaborative process drive cross-functional problem solving and personal and organizational growth.

Organizational development whether in the public or private sector, is integral to our service delivery model. We engage our clients



in a learning-by-doing process that leads to increasing self-sufficiency. This enables us to deliver systemic value that conveys a continuous return on investment on every project.



# How We Measure Success

- Every ICE engagement includes a project evaluation plan and process. We customize a core set of indicators and metrics to evaluate:
- Issue resolution
- Process or product Innovations
- Level of internal capacity building
- Cost to budget
- Performance to efficient timeline

In aggregate these metrics spell out Return on Investment. Success must be determined and its path carefully charted. As such, our services are focused on results and the tangible value addition which we add to the energy sector



# Key Contacts

The insights and quality services we deliver help build trust and confidence in the energy markets and in economies the world over. We develop outstanding leaders who work together to deliver on our promises to all of our stakeholders. In doing so, we play a critical role in building a better working world for our people, our clients, and for our communities.

## Learn More

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