

Pegasy is an advisory group driving developmental impact in emerging economies. We work to solve complex challenges and improve quality of life.



 **Energy**



Water



Transport



Climate



Resilience



Waste



Energy

Sustainable Energy

The vast majority of people on the African continent cannot access or afford modern energy services. The lack of affordable and clean energy impacts human health and limits economic development potential. Energy poverty is compounded by a growing population and an increasing demand for energy, and while Africa has an abundance of renewable energy sources, harnessing and translating these into a reliable and affordable energy supply is the challenge.





WHAT WE DO

We work towards realising Africa's sustainable energy potential, by supporting low-carbon energy production, and scaling up energy efficiency and renewable energy in existing energy systems. We assist governments and companies in the process of transitioning towards economically viable and renewable energy sources.

Our energy sector expertise includes:

- Conducting energy **market landscape studies and assessments**
- Preparing sustainable energy **gaps and needs reports**
- Formulating sustainable energy **policies and strategies**
- Conceptualising and conducting **feasibility studies**
- Developing **project concept notes and investment frameworks** to attract direct investment
- Facilitating donor and investor exposure to bankable, **investment-ready projects**
- Harnessing, and **structuring sustainable energy finance**
- Identifying client-specific opportunities for **corporate investment in sustainable energy**
- Designing and structuring **sustainable energy investment funds and facilities**
- Building sustainable energy **decision-support tools**
- Exploring and navigating the **Energy-Water-Food nexus**, as well as climate implications for energy
- Determining and operationalizing **institutional architecture and governance** arrangements for entities supporting sustainable energy
- Engaging with stakeholders and **facilitating consultative processes** related to energy
- Applying **Monitoring and Evaluation (M&E)** methods to assess sustainable energy initiatives

HOW WE DO IT

In Africa, decisions about energy are intimately linked to decisions made in other sectors, through the water-energy-food nexus. We acknowledge the current dependencies on biomass as a source of primary energy and the high upfront costs of "modern energy".

We believe the public sector has the potential to catalyse the development of new energy models, both distributed and grid-connected, through collaboration with the private sector, communities and local government. To enable this synergy in Africa's growing economies, we support institutions in leveraging public investment to catalyse and direct private sector capital towards sustainable energy.

OUR CLIENTS

We are trusted advisors to governments, donor agencies, development partners, and companies. We have worked with global organisations such as the United Nations, the Global Green Growth Institute, The World Bank, International Finance Corporation and the African Development Bank amongst others. Our energy sector partners have included global and regional consulting firms, academic institutions, and non-governmental organisations.

RECENT WORK

Developing Namibia's National Renewable Energy Policy



The challenge: The Ministry of Mines and Energy in Namibia, and the Electricity Control Board (ECB) of Namibia identified the need for a national Renewable Energy (RE) Policy for Namibia. The policy will help Namibia harness a greater share of its RE potential and become energy secure by 2030.

Our solution: We drafted a RE policy that provides direction for renewables scale-up in both the power sector and for non-electricity renewables. In addition, we developed an implementation plan with timelines and responsibilities to give effect to the National RE policy.

Climate Resilient Clean Energy Options in Ethiopian Secondary Cities



The challenge: Future Cities Africa (FCA) approached us to investigate the potential for low-carbon energy sources to support inclusive growth in Ethiopia, by assessing the viability of different sustainable and climate-resilient energy options available to secondary cities.

Our solution: We undertook a six-month research effort to identify technological and economically feasible alternate energy options, that can meet energy demand in Ethiopian secondary cities through 2035. The research outputs and policy brief we developed for Cities Alliance are laying the foundation for an alternative energy supply regime in Ethiopia by 2035, and offer useful insights for achieving similar outcomes elsewhere on the continent.

World Resource Institute and the Green Growth Action Alliance

The challenge: The World Resource Institute (WRI) was interested in extending its engagement with private companies wishing to purchase renewable energy. WRI worked with the Green Growth Action Alliance and World Economic Forum to set up a taskforce of companies to encourage group purchase of renewable energy in emerging markets.

Our solution: We helped facilitate engagement with private companies and explore how successful corporate renewable energy purchase schemes could be scaled up. We assisted the coalition to scope a roadmap and fundraising plan for expanding their work in new geographies, and the team led the development of a published report on the benefits and enablers of stimulating corporate investment into renewable energy.

GET IN TOUCH



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