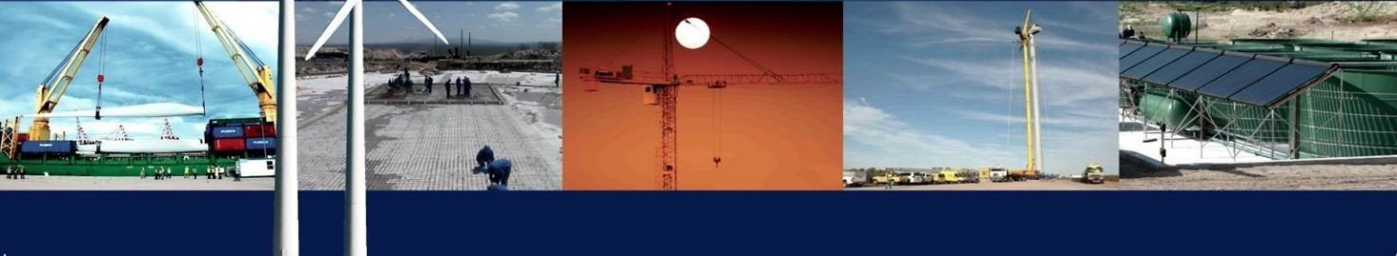


# AC

AFRICOAST  
ENERGY



ENERGY SECTOR  
PROFILE



Consulting

Project development

Project management



# Professionals who love what we do

Balance between development, people and the natural environment

AfriCoast Energy is a leading independent engineering consultancy offering a variety of services within the energy sector, with a particular focus on renewable energy. As a member of the AfriCoast Group of companies, we have access to world-class civil and structural engineering expertise. We thus boast a strong in-house multi-disciplinary team that has extensive experience in large scale, complex projects.

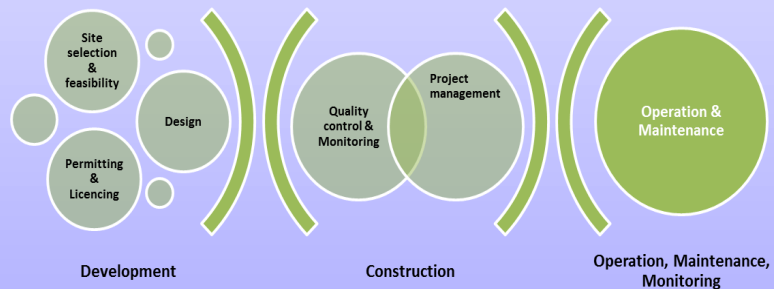
The group is headquartered in Port Elizabeth, South Africa, but operates nationally, with a view to expand into Africa. Our clients include Financiers, Developers, as well as both public and private sector organisations.

Our multi-disciplinary team have extensive experience that ranges from energy projects and planning at a local government level, to turnkey renewable energy developments at a national level as well as energy trading. Within our team of highly responsive project managers, engineers and scientists there is considerable experience in terms of both the public and private energy sector. We want to see renewable energy becoming the dominant form of energy, and aim to see it developed within the nexus of the economy, people and the natural environment. We aim to help our clients recognize opportunities in terms of renewable energy and gain competitive advantage in the energy sector, from a technical, environmental and social perspective.

## FOCUS AREAS

- Development of renewable energy projects
- Management and implementation of renewable energy projects
- Renewable energy consulting
- Sustainability planning

## Turnkey solutions & everything in between



We can support clients throughout the entire renewable energy project lifecycle, from inception to commissioning and operations.

We combine the best science, the most proven methodologies, and experience to enable our clients to move forward with confidence in developing renewable energy facilities or projects.

## MANAGEMENT AND IMPLEMENTATION OF RENEWABLE ENERGY PROJECTS

Services include:

- ◆ Safety Management, Construction Management and Site Supervision
- ◆ Owners engineer
- ◆ Power performance assessment
- ◆ Technical audit
- ◆ Operational management
- ◆ Planning and management of economic development plans

## Wind

Metrowind Van Stadens Wind Farm  
Amakhala Emoyeni Wind Farm  
Tsitsikamma Community Wind Farm  
Kouga Wind Farm  
First commercial WTG (Coega)

## Solar

Caltex rooftop solar  
Ubuntu Solar  
Dobbin Solar

## Energy general

Mapping of provincial and municipal permitting and authorisation processes for IPP projects in the Eastern Cape

Case Study on small scale renewable energy embedded generation and net metering in Nelson Mandela Bay

Pre-feasibility study on the roll-out of large-scale embedded generation within Nelson Mandela Bay



## DEVELOPMENT OF RENEWABLE ENERGY PROJECTS

Services include:

- ◆ Field data service, site selection & data management
- ◆ Resource assessments and net energy calculations
- ◆ Micro siting of Wind Farm (Preliminary) layouts based on all EIA requirements
- ◆ Permitting and licensing
- ◆ Wind Mast erection and monitoring
- ◆ Turbine selection support
- ◆ Quality review of ground-measured data, including verifying the soundness of collected data and comparing and validating data with other solar assessment data sources
- ◆ Design of indicative solar plants and accounting for various site constraints (obstructions, shading sources, exclusion zones)
- ◆ Grid connection, electrical and communications infrastructure specification
- ◆ Transport assessments, preliminary and detail civil infrastructure design and specifications
- ◆ Detail structural design and specification for dynamic load conditions of various turbine foundation types
- ◆ Tender assessment support: E-BoP and C-BoP
- ◆ Safety Management, Construction Management and Site Supervision,
- ◆ Owners engineer
- ◆ Power performance assessment
- ◆ Technical audit

## ENERGY TRADING SOLUTIONS

Through our involvement with various electricity and energy feed in programmes of the Department of Energy, as well as smaller scale embedded generation projects, have gained exceptional experience in energy trading at both local and national level.

Services include –

- ◆ License applications
- ◆ Development of trading models
- ◆ Trade and wheeling agreements
- ◆ Tariffs and tariff structures
- ◆ Monitoring, reporting and verification of energy demand and supply





## Energy trading

CEF renewable energy feed-in projects  
in Nelson Mandela Bay

Amatola Green Power

## Sustainability

Climate response planning for the Nel-  
son Mandela Bay Municipality  
(NMBM)

Climate Change and Green Economy  
Action Plan for the NMBM

## Community development

Management of the Metrowind Com-  
munity Development Program



## SUSTAINABILITY AND ENERGY PLANNING

We are passionate about sustainability and have had the privilege to work in a wide range of sectors including academic, government, industry and consulting.

Our team is skilled at research and planning, through to implementation and management. Where a project requires skills and experience that fall outside the ambit of our in-house staff we draw from a network of experts and professionals in order to provide clients with a team that can deliver the optimal solution.

AfriCoast is a proven lead consultant and partner in planning and implementing solutions for sustainable development.

Services include –

- ◆ Integrated planning
- ◆ Vulnerability Assessments
- ◆ Climate Change Mitigation and Adaptation Response Planning
- ◆ Integrated Resource Utilisation Auditing
- ◆ Carbon and Energy Management
- ◆ Feasibility studies
- ◆ Community development



*Energising development*

## AFRICOAST ENERGY (PTY) LTD

73 Havelock Street  
Central  
Port Elizabeth  
6001

Tel: +27 (41) 582 2376 | Email: [info@africoastenergy.co.za](mailto:info@africoastenergy.co.za) | Website: [www.africoastenergy.co.za](http://www.africoastenergy.co.za)