

The People to Deliver Renewable Energy in South Africa



MAINSTREAM
RENEWABLE POWER
SOUTH AFRICA

A joint venture with Genesis Eco-Energy



'Mainstream's role in South Africa is to deliver superior quality renewable energy projects that will contribute to the development of a low carbon economy.'

Davin Chown, Director: Commercial,
Corporate Affairs and Business Development
Mainstream South Africa

About Us

Mainstream Renewable Power South Africa is a leading developer of wind and solar plant. We are actively developing over 5,000MW of projects in the Eastern, Northern and Western Capes as well as The Free State and employ a local team working from offices located in Cape Town and Johannesburg.

Our core business is to develop and build superior quality onshore wind and solar plant and then sell the plant to its natural owners such as utilities, mines, energy intensive corporations, and pension funds.

Formed in 2009, Mainstream South Africa is a joint venture between two renewable energy developers; global player Mainstream Renewable Power and local South African developer Genesis Eco-Energy. The unique partnership combines Mainstream's core global strengths in areas such as finance, engineering and procurement with the local knowledge, development skills and relationships of Genesis Eco-Energy.

Mainstream South Africa has set up a consortium of local South African companies to deliver the highest quality wind and solar plant to the market and to create long-term sustainable value for South Africa. The consortium, which includes Siemens Energy Southern Africa, Absa Capital and Thebe Investment Corporation has the potential to establish South Africa as the renewable energy hub for Africa.





OUR PROMISES ARE ROCK SOLID

When we say we will deliver sustainable electricity to South Africa we mean it. The experience of Mainstream's people and the expertise of our partners make us confident that we can make sustainable electricity a reality in South Africa.

'In terms of skills and experience, although Mainstream is relatively new as an enterprise, it's an organisation which includes people who have deep experience in the area of renewable energy.'

Rob Hastings, Director of Marine Estate
*The Crown Estate, UK

**The Crown Estate is the UK body with responsibility for the licensing of the seabed around the UK. In December 2009, The Crown Estate awarded SMart Wind (the 50/50 joint venture between Mainstream Renewable Power and Siemens Project Ventures) the rights to develop a 4GW offshore wind farm off the east coast of England.*



Our Projects

Our aim is to deliver renewable energy projects of superior quality. These projects are managed by our experienced team; from the very start of the development stage all the way through to design, construction, financing and operation.

Our projects are primarily located in the Eastern, Northern and Western Cape, as well as the Free State. We have chosen these locations because:

- the wind and solar resources are excellent
- there is demand for the power
- the projects will support grid stabilisation and improve power supply
- they will make a significant socio-economic impact on the local communities.

Experience

Our team has played a key part in delivering hundreds of megawatts of renewable energy around the world.

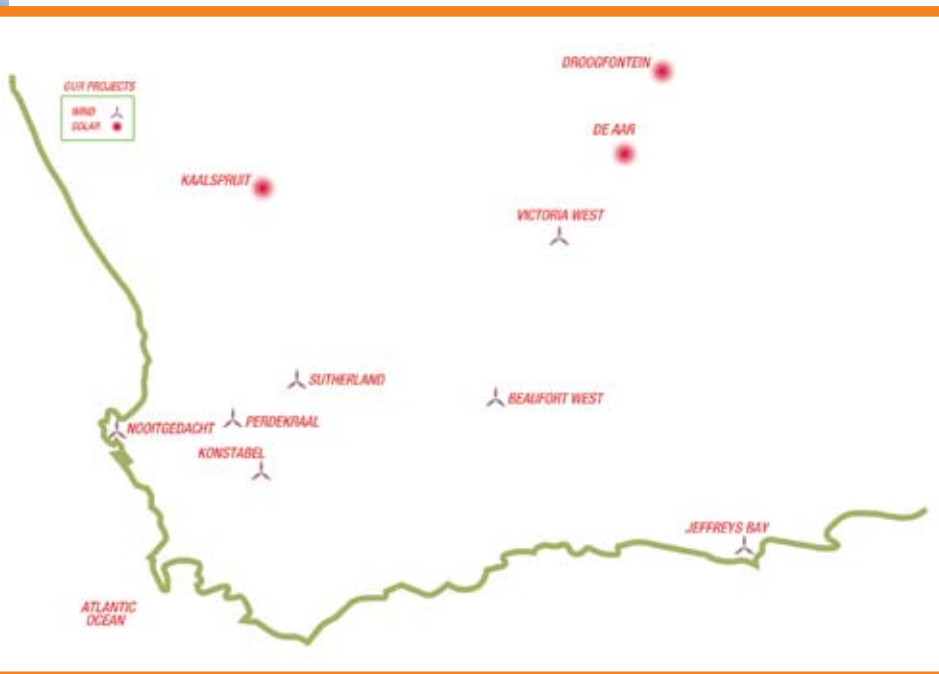
We understand what is involved in the complex development process and our development team has put in place an effective and efficient strategy to deliver projects into construction. These development skills include; site selection techniques, wind analysis, grid design, power purchase negotiation and turbine procurement.

Our asset delivery team handles the construction phase, and they bring world-class project management skills to the table. Their expertise is underpinned by best-in-class processes, systems and procedures. Their aim is to deliver high quality and operationally-effective plant safely, on time and on budget.

Depending on the eventual asset owner, Mainstream may be required to run the plant's day to day operations. Our number one priority is to exceed our operational objectives.

Worldwide, Mainstream has:

- a team of over 130 renewable energy specialists
- over 450 years of experience
- created over 15,000MW of development pipeline and
- been responsible for the construction of over 3,000MW of plant across three continents.





WE WANT TO HELP SOUTH AFRICA TO GROW A NEW, SUSTAINABLE INDUSTRY.

Together we can create decent jobs, stimulate rural development and bring about real skills transfer. This will ultimately result in the development of sustainable communities and businesses with long term value that will benefit all South Africans.

'That means that we will have new positions, for new people, to come and set up our Renewable Energy department which we never had before.'

Sakhi Dumakude, Managing Director
Usizo Engineering



Our Partnership Approach

For us, it's not just about building renewable energy plant. It's about building enduring relationships with our partners. These partners include all levels of industry, landowners, local municipalities, turbine suppliers through to government.

In March 2010, Mainstream South Africa set up a consortium of companies to deliver the highest quality wind and solar projects as well as to create long term sustainable value for South Africa.

The consortium includes one of South Africa's leading BEE investment management companies, Thebe Investment Corporation, rural development agency AsgiSA-EC as well as Siemens Energy Southern Africa and Absa Capital.

Developing local expertise

Together with our consortium partners we will help to develop the skills and expertise of emerging South African engineering companies.

This will contribute significantly to developing local talent and addressing the shortage of engineering skills in South Africa. As these companies develop new skills, and as the renewable sector expands, they will look to expand their companies and in doing so, will create new jobs.



Pictured are representatives from Usizo Engineering, Enzani Technologies and Mainstream visiting Siemens head office in Denmark.

Values

Mainstream has built its business on six core values:

1. We believe in a Safe Environment for our people.
2. We believe that by Working Together as a team, we deliver more.
3. We believe in a Sustainable Approach to everything we do.
4. We believe in Personal Respect for the people we deal with.
5. We believe that an Entrepreneurial approach will find the solutions others can't see.
6. We believe that by Embracing Innovation we will stay ahead of the game.

Community Development

We work closely with the community where we are developing projects and therefore understand the local challenges and needs. We develop specific Community Trusts in the areas around our projects. These Trusts are comprised of an equal number of Mainstream South Africa and independent trustees and the funds are allocated to either start new initiatives or build on existing initiatives in the community.

This confirms our commitment to job creation, community empowerment, improving local incomes, supporting agriculture, reducing poverty levels and ensuring wealth is generated in those communities.

Community Engagement

We've been around long enough to know that building wind and solar plant is about forging enduring relationships in local communities. Our people are on the ground, getting to know the community and finding out what works best for everyone. We make sure communities are kept fully informed and we listen and take onboard any concerns they may have.

Government Engagement

We are working with government at a local, provincial and national level to help shape the regulatory frameworks and environment, so that we can collectively create the basis for a long term renewable energy industry in South Africa.



'We have a lot of confidence in Mainstream's ability to be competitive in its offering and really offer value for the South African government and the general consumer at large.'

Anand Naidoo, Managing Principal
ABSA Capital



The Value of Renewable Energy

Whether you are a utility, a mine, a large industrial energy user, or a local authority, renewable energy is an efficient and effective energy solution for your business.

By introducing renewable energy to your energy mix you will:

- diversify and de-risk your portfolio
- reduce reliance on expensive fossil fuel generation
- eliminate or reduce future carbon taxes
- secure a guaranteed source of supply to your facility
- contribute to and support a low carbon economy and a more sustainable South Africa.

Our work in those economies heavily reliant on mining and minerals extraction means that we have a strong understanding of the value that renewable energy can provide. We understand that each customer's needs are different, and we are in a position to develop various scenarios that will suit your specific needs. We can design, build and operate the plant or hand it over to our clients post construction, all dependent on your requirements.





'It's not going to happen today or tomorrow, it's a long-term vision and we're here to see it through.'

Eddie O'Connor, Chief Executive
Mainstream Renewable Power



The Imperative

Our vision is of a future where economies can thrive, free from the restrictions of fossil fuels. South Africa has abundant reserves of wind and solar energy resources. It can provide the country with secure, reliable and clean sources of power while stimulating economic growth and job creation.

This renewable energy will:

- contribute to security of supply to bridge capacity shortage
- manage the increasing costs of energy
- mitigate water use constraints
- reduce exposure to future carbon tariffs and penalties
- contribute towards meeting the country's emission reduction commitments
- lower the carbon footprint of South Africa.

Mainstream South Africa is equipped with the experience, knowledge and projects to contribute towards the imperative of adding generation assets to the grid.

We believe renewable energy is already starting to play a significant role in addressing the challenges of the South African economic transition as articulated by Government:

- from poverty alleviation to agriculture and rural development
- from new forms of greener industrialisation to skills redevelopment
- from enterprise development to fostering new means of social development that will mean new opportunities for marginalised communities, the unemployed and many future generations of young South Africans.

We invite you to partner with us in shaping this journey toward a prosperous low carbon future for all South Africans.



'Mainstream are not just about providing renewable energy, they're about ensuring sustainable development.'

Simphele Somdyala, CEO
AsgiSA EC



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