

## **Infinity Power seals 20-year agreement with Senelec to supply utility-scale battery energy storage across Senegal**

- Infinity Power and Senelec have signed a 20-year Capacity Charge Agreement (CCA) to provide 160MWh through a battery energy storage system (BESS)
- The project will support the stabilisation of Senegal's national grid and the expansion of renewable energy supply across Senegal, avoiding 37,000 tonnes of carbon dioxide emissions per year
- The BESS is to be built at the Tobène substation in Thies, Senegal. It will be operated by Infinity Power's 158.7 MW wind farm in Senegal, Parc Eolien Taiba N'Diaye (PETN)

### **Cairo, Egypt and Abu Dhabi, UAE - 13 November 2023**

Infinity Power, a joint venture between Egypt's Infinity and UAE's Masdar, announced today the signing of a 20-year Capacity Charge Agreement with Senelec, Senegal's national electricity company to supply 40MW through a battery energy storage system (BESS). The system will enable Senelec to stabilise the nation's electricity grid and pave the way for further renewable energy growth in Senegal.

The project will be operated by Infinity Power's Parc Eolien Taiba N'Diaye (PETN) windfarm, located approximately 70km north of Dakar. The windfarm supplies 158.7MW of clean, renewable wind energy to over 2 million people across Senegal. PETN represents a 15% uplift in Senegal's renewable generation capacity, and is the largest wind farm in West Africa.

Construction of the battery energy storage system is expected to commence in early 2024 at the Tobène substation in Thies and is expected to become operational in 2025. Once complete, it will be one of the largest of its kind in West Africa, and will help Senegal to avoid approximately 37,000 tonnes of carbon dioxide emissions each year. The BESS will also provide ancillary services such as frequency regulation, reactive power support, and energy charge and discharge.

With this project, Infinity Power aims to further its commitment to empowering a future of sustainable, renewable energy across Africa. The BESS will support Senelec in reducing its dependence on reserve capacity derived from thermal plants, with Senelec estimating that the BESS will save the grid an estimated \$165 million over its operating life.

**Mohamed Ismail Mansour, Chairman of Infinity Power** said, *"The capacity charge agreement we have signed with Senelec marks a significant milestone on our roadmap towards providing clean, reliable and affordable electricity access to the communities and citizens of Senegal. Battery storage offers incredible opportunities for Senegal to reap the benefits of renewables, while ensuring people get a secure, reliable supply of energy. We are excited to begin a promising new chapter in Senegal and further strengthen our work in the renewable energy sector."*



**Nayer Fouad, CEO of Infinity Power added,** *“Providing renewable energy isn’t just about improving capacity, but also the infrastructure around it. We’re looking forward to starting construction on this battery storage project in Senegal, expanding on our existing Parc Eolien Taiba N’Diaye wind farm, and helping to reduce the reliance on fossil fuels. Our ambition is to have projects in every country in Africa, and we can’t wait to see what technology we can explore to help deliver clean energy to even more people.”*

Commenting on the project agreement, **Papa Mademba Biteye, General Manager at Senelec** said; *“Senegal is constantly eyeing opportunities to push ahead its renewable energy agenda by embarking on solutions that speeds up its transition to a low-carbon economy. The capacity charge agreement project with Infinity Power plays a pivotal role across both operational and financial levels through a long-term guaranteed performance to provide increased grid stability, integrate renewable energy into Senelec’s electricity grid and empower Senegal in becoming an independent power producer.”*

The BESS facility project previously received a grant from the United States Trade and Development Agency (USTDA) to fund initial feasibility studies at the site and the analysis necessary to implement and operate the battery storage system. On the other hand, Parc Eolien Taiba N’Diaye has initiated negotiations with engineering, procurement and construction (EPC) firms and project finance lenders to plan and outline requirements for the technical side of the project.

Infinity Power, the largest renewable energy company in Africa, is targeting 10GW of operational renewable energy by 2030, which will equate to \$5bn USD investment. This target will have the capability to provide electricity to 12 million homes across the African continent by the end of this decade and would contribute a further reduction of approximately 15 to 20 million tons of carbon dioxide emissions per year.

### **About PETN, Parc Eolien Taiba N’Diaye**

Established in late 2018, PETN, Parc Eolien Taiba N’diaye, is a landmark Windfarm project that provides much needed clean and economically priced energy into the rapidly expanding local grid system operated by Senelec. The project is Senegal’s first utility-scale wind energy project and aligns with the Government of Senegal’s strategy of increasing clean electricity production and diversifying Senegal’s energy mix. Expected to be one of the lowest cost producers of electricity in Senegal, the project is helping reduce the cost of electricity generation in the country, which has one of the highest generation costs in Sub-Saharan Africa.

### **About Infinity Power**

Infinity Power is Africa’s largest pure play renewable energy provider. The joint venture between Egypt’s Infinity and Masdar (Abu Dhabi Future Energy Company) targets power generation projects in Africa through renewable energy sources, namely solar and wind, as well as other technologies such as green hydrogen and water desalination. The company also develops complementary technologies such as battery storage and transmission grids. In this way, Infinity



Power can provide answers to the challenges of energy supply and power insecurity across the African continent. The company aims to have 10GW of operational renewable energy projects by 2030.

Infinity Power brings together the strong track records of both Infinity and Masdar (Abu Dhabi Future Energy Company) in developing and operating renewable energy assets. It has a substantial operational portfolio across Egypt, South Africa and Senegal, including 1.3GW of solar power and onshore wind farms, which equates to a reduction of more than 3 million tons of CO2 emissions per year using conventional power generation.

Infinity Power is committed to lighting up Africa and supporting the sustainable development of renewable energy across the continent, while creating opportunities for economic, educational and environmental benefits in local communities.

For more information about Infinity Power and its portfolio of renewable energy projects, please visit: [www.weareinfinitypower.com](http://www.weareinfinitypower.com)

For further information, please contact:

Engy Emad

Media Relations Director

TRACCS Egypt

Mobile: 010 0900 2207

Email: [engy.emad@traccs.net](mailto:engy.emad@traccs.net)