

Senegal bets on solar and wind power

Sentinel-1 CSAR IW acquired on **04 January 2020** at 19:18:24 UTC

Sentinel-1 CSAR IW acquired on **11 January 2020** at 19:10:23 UTC

Sentinel-2 MSI acquired on **13 January 2020** at 11:34:31 UTC

Author(s): Sentinel Vision team, VisioTerra, France - syp@visioterra.fr

Keyword(s): Land, coastal, windpower, renewable energy, green energies, climate change, global warming, sea level rise, infrastructure, solar power, Senegal

[2D Layerstack](#)

Fig. 1 - S2 (13.01.2020) - 4,3,2 natural colour - In 2016, Senergy 2, the largest sun power plant in West Africa opened in Bokhol, Senegal. [2D view](#)



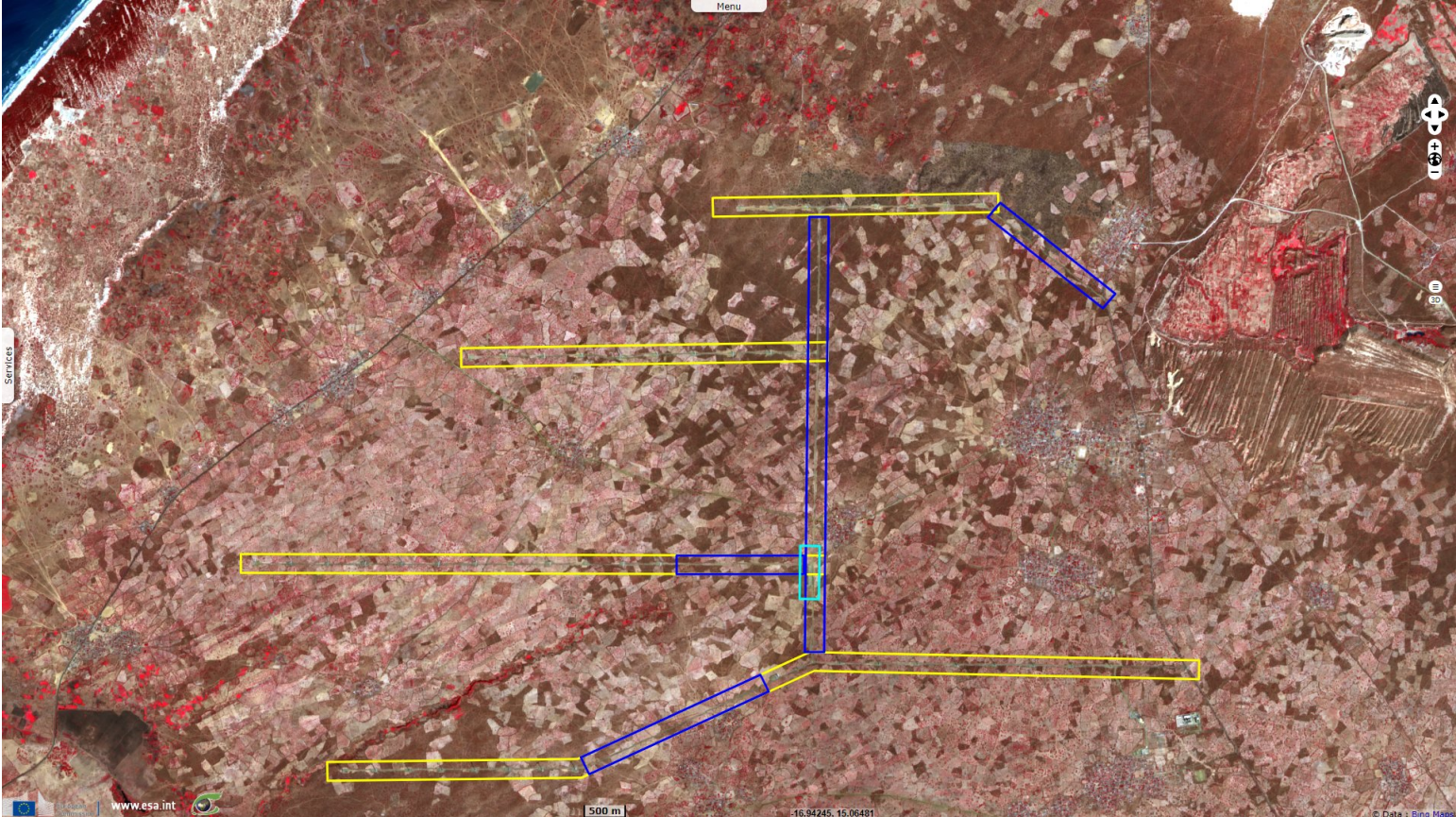
5 km from the Mauritanian border, these 75 000 polycrystalline panels covering 12 ha should supply 20 MW to 160 000 Senegalese.

Fig. 2 - S1 (04.01.2020) - vv,vh,vv colour composite - Based around Thies, Taiba NDiaye windfarm is the largest in West Africa. [2D view](#)















Senegal is very vulnerable to the sea level rise that results from the global warming. Under the pressure of NGOs, Senegal officially cancelled its controversial Bargny coal plant.

Fig. 3 - S2 (13.01.2020) - 8,4,3 colour composite - Wind turbines show in green. While vertical, they cast their dark shadows horizontally. [2D view](#)



Powered by harmattan and Atlantic winds, these 46 117 m high wind turbines should produce 158MW, 15% of the Senegal capacities & enough for 2 million inhabitants.

*The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.
Contains modified Copernicus Sentinel data 2019, processed by VisioTerra.*

More on European Commission space:							
More on ESA:				S-1 website	S-2 website	S-3 website	
More on Copernicus program:				SciHub portal	Cophub portal	Inthub portal	Colhub portal
More on VisioTerra:				Sentinel Vision Portal	Envisat+ERS portal	Swarm+GOCE portal	CryoSat portal