

مشروع مجمع بورتسودان للتوليد من الطاقة الشمسية

المصدر: كتيب (السودان الجديد) – وزارة اتعاون الدولي والإستثمار- 2021

Project Name	Port Sudan Solar Park	Cost (USD)	85MUSD	Type*	Solar PV Energy	Target Start Date	2021	Target End Date	2022
Project Description	Installation of 100MWp in the city of Port Sudan (the main port of Sudan) from the latest technologies of solar PV to produce 189,537MWh and evacuate it to the national grid.								
Impact	<ul style="list-style-type: none"> ➤ Contributes to the gap bridging in electrical energy. ➤ Reduces overall cost of energy unit. ➤ Saves 46,200 ton/year of fuel. ➤ Reduces GHG by 78,918.84 tonCO2/year. ➤ Stabilizes the radial power line of the city of Port Sudan and hence the supply of the city and harbour. ➤ Increases electrification rate (about 40% now). ➤ Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation. ➤ Promotes growth of small, micro and medium sized enterprises (SMES). ➤ Boosts job creation potential. 				Unique Features	<ul style="list-style-type: none"> ➤ Close proximity to the main port of Sudan. ➤ High average of Direct Normal Irradiance in the area. ➤ Close proximity to grid connection. ➤ Wide flat areas of empty land. ➤ Feasibility study is ready. ➤ Project land officially allocated. ➤ Right of way granted to connection to grid. 			
Cost Impact	Fuel saving of 27.7MUSD/year				Sponsor(s)	Government of Sudan			

