

PFI Renewables (International Photovoltaic Projects) successfully completes the mechanical assembly of its first 55.6 MW photovoltaic plant in Kenya for its client TrinaSolar

The 55.6 MWp photovoltaic park in Eldoret (Kenya) has been completed. The park has been assembled by PFI Renewables as a subcontractor of TrinaSolar.

The farm, located on a high plateau at an altitude of 2,000 metres above sea level that moderates temperatures corresponding to a near equatorial latitude, has been built using the single-axis tracking structures of the VANGUARD 2P model developed by TrinaTracker.

It will generate around 123,000 MWh/year of clean energy, equivalent to the consumption of approximately 245,000 Kenyan households. It will create local jobs in all phases of construction, as well as during operation.

The work carried out by PFI Renewables consisted of topographic marking, direct driving of the foundations, assembly of the trackers and assembly of the panels, all with the highest standards of safety and sustainability, under the supervision of TrinaSolar and Voltalia as EPC of the work.



"The high quality criteria applied in this project have allowed, among other things, the training of a team of local supervisors that PFI Renewables intends to use in other projects that we are offering on the African continent and even in Europe. We are very satisfied with the work carried out by our team, and especially with the degree of integration we have achieved with people from very different backgrounds and environments. Without a doubt, the key lies in the training of people and their cohesion around a common goal", says Raúl Alcázar, General Manager of PFI Renewables.

The plant, consisting of 928 Vanguard 2Px56 trackers (Outer, Border and Inner), required the direct driving of 6,696 profiles of between 3.8 and 4.5 m in length and the assembly of more than 103,000 panels. A mixed work team has been formed, comprising workers from Spain, Venezuela, Paraguay, Chile, Mexico and Kenya, a total of more than 140 people organised between site management, administration and logistics, quality, hse, supervision and operators.



PFI Renewables is currently setting up another two wind farms in the south of Portugal and is immersed in an investment programme for the digitalisation of the assembly processes and the acquisition of new equipment and tools that will enable it to meet the large demand for its services in Africa and Europe. During the second half of this year, the company will launch its PFI Solar Solution product, a software that allows it to collect all the production progress during the construction of wind farms, monitor the main KPIs of the process in real time and generate reports in a business intelligence system for the certification of work, optimisation of resources and quality monitoring.



"In 2022, we expect to participate in the assembly of more than 150 MW of new photovoltaic farms in Africa and Europe, both with trackers and fixed structures. In a market where the price factor is a determining factor, it has been a challenge for PFI to optimise the production processes on site, both in assembly and in the supervision of the work. The use of technology is allowing us to gain in efficiency and competitiveness, adapting project execution times to the needs of our customers," added Raúl Alcázar.