



# Letter of green industrialization in Africa

Observatoire Europe-Afrique 2030

n°36 – April / June 2024

<http://observatoire-europe-afrique-2030.org/fr/accueil/>

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« The Letter » is published by the Association « Observatoire Europe-Afrique 2030 »  
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## Spotlight on a « Leader »

Founded in October 2014, A.R.E Group is an Egyptian company manufacturing mono and polycrystalline solar panels.

Its annual panel production is equivalent to 100 MW of power.

It employs around 900 people.

The plant manufactures all solar panel components and uses exclusively local inputs. It is located 40 km from Luxor international airport.

Covering an area of 25,000 m<sup>2</sup>, it includes the following units, among others:

- Polycrystalline solar cell production unit, with a capacity of 100 MW/year.
- Solar glass production unit, with a capacity of 400,000 m<sup>2</sup>.
- Solar panel assembly unit (310 W & 325 W), with a total capacity of 100 MW/year.
- EVA sheet production line with a capacity of 1.5 million m<sup>2</sup>/year.
- Bottom sheet production line, with a capacity of 1 million m<sup>2</sup>/year
- Solar PV junction box production line.
- Aluminium panel frame production workshop.

Power supply for the plant comes from the 1.7 MW N-ROOF solar power plant + 1 MW grid connection.





The product range offered by A.R.E Group is detailed in the following links:

<https://www.aregroupeg.net/products-services>

[https://www.aregroupeg.net/\\_files/ugd/cbc4b6\\_57922b0e3e124122ab2f016981d32ab8.pdf](https://www.aregroupeg.net/_files/ugd/cbc4b6_57922b0e3e124122ab2f016981d32ab8.pdf)

## Investment projects

### Benin

Spiro, in association with Austria's Horwin, plans to build two electric 2-wheel factories in Benin, for start-up in 2024 (*Afrik Intelligentsia*).

### Egypt

The Czech group Škoda has signed a contract with the Egyptian National Railways (ENR) for the modernization and maintenance of at least 280 diesel-electric locomotives. These are its first contracts in Africa and the Middle East. The total value of the project exceeds 1 billion euros (*Railmarket*).

## Egypt

The Alstom group sets up two rail equipment and rolling stock factories. Area: 12 ha. Location: Borg al-Arab (near Alexandria). Jobs created: 1,200 Production at the two plants is intended to meet the needs of the local market and for export. Alstom plans to install a production unit for electrical systems and railway components (signalling panels, control circuits, electrical braids) and a second plant specialized in the manufacture of various types of mobile units for metro lines, tramways, light rail, monorail and express trains. Products from both plants are intended to meet the needs of Line 6 of the Cairo metro and for export to several countries. (*Ecofin*).

## Egypt

National Egyptian Railway Industries Company (NERIC) manufactures electric locomotives at its East Port Said plant. NERIC was established at the end of 2020 as a joint venture between Egypt's Sovereign Wealth Fund, the Suez Canal Economic Zone, the Ministry of Transport, East Port Said Development, Hassan Allam, Samcrete and Orascom Construction. South Korea's Hyundai Rotem has joined the JV (*Enterprise*).

## Nigeria

NASENI (National Agency for Scientific and Technical Infrastructure) has signed an agreement with Katsina State, 120 km north of Kano, to set up an institute to exploit silica deposits for the production of solar panel cells in Katsina (*Taiyang News*).

## To read, to see...

On April 15th, 2024, the “Observatoire” published Case study n°19 entitled: “**First lessons from the Directory of Green Industrialization Leaders in Africa**”. The Directory currently lists over 50 companies with manufacturing activities in one (or more) green industries on African soil. The case study describes and analyzes the initial findings of this census, based on criteria such as the country to which the company belongs, its sector of activity and its profile.

### English version

<https://observatoire-europe-afrique-2030.org/wp-content/uploads/2024/04/19-Analyse-du-Palmares-engl.pdf>

In May 2024, Ivorian company **SEFT-AFRICA** was added to the list of Leaders in Green Industrialization in Africa. Founded in September 2020, the company supports businesses, local authorities and private individuals through a range of services, including the construction of locally designed and built methanizers, for example for the treatment and conversion of chicken droppings into energy and bio-fertilizer.