



Observatoire Europe-Afrique 2030

PROMOTE GREEN MANUFACTURING SECTORS IN AFRICA

A paradoxical situation

Throughout Africa, we are witnessing a great deal of investment in green industries.....

.....but almost all equipment is imported "turnkey" from China, Europe, North America or Japan.

Over the next twenty years, hundreds of billions of euros will be invested in these sectors in Africa.

« Green » manufacturing sectors

Renewable energies

Solar /hybrid mini-grids

Solar panels

Solar kits

Solar refrigerators

Wind farms

Water thermal desalting (solar)

Clean mobility

Bicycles

2-wheels (electric)

Electrical cars and buses

Tramways

Wagons, electric locomotives

Rail infrastructure

Waste management

Pyrolysis, anaerobic digestion, dry fermentation

...

Waste sorting

Mechanical recycling

Other sectors

Clean cooking

Heat pump

AI systems for agriculture (seeding, irrigation)

Green hydrogen

Batteries

No green sector is immune to this situation

Wind turbines

« Made in Africa" can only meet 3 to 5% of projected investment needs. Only one manufacturer is capable of supplying complete (medium-power) wind turbines on the African continent.

« Clean" cooking

Despite a few local initiatives, particularly in Kenya and Rwanda, most of the market is currently covered by imported stoves.

Electric motorcycles

The « battery as a service » electric motorcycles market is expanding rapidly, especially in Central Africa. However, almost all motorcycles which are sold or rented are kits imported from Asia (CKD).

Railway equipment

Africa's need for railway infrastructure and rolling stock is enormous. With the exception of South Africa, there is no integrated manufacturer of electric locomotives or trams on the African continent.

Hybrid mini-grids

The market for hybrid solar mini-grids in sub-Saharan Africa by 2030 is estimated at between 100,000 and 150,000 units (to satisfy the "access to electricity for all" scenario). No country in sub-Saharan Africa has the industrial capacity to manufacture mini-grids locally.

A change of business model is needed

- To remedy this paradox, we need to break with the current "import everything" economic model and switch to one in which the design and manufacture of solar panels, wind turbines, waste sorting plants and rail equipment..... would be carried out (at least in part) on African soil.
- Strategic partnerships for co-design and co-production between African and European manufacturers could ensure the gradual transfer of know-how from major equipment manufacturers to local industrial partners .
- For the European companies holding the know-how, this would be an opportunity to establish a local presence and boost their competitiveness, particularly in the face of competition from Asia.

Encourage the “Leading” enterprises

What is the common denominator between Elsewedy Electric Towers, a major Egyptian manufacturer of high-power wind turbine masts, Auxano, a Nigerian manufacturer of solar panels, and Gyapa entreprises, a small Ghanaian company specializing in the manufacture of clean stoves?

These three companies are "**Leaders**":

- They have developed manufacturing know-how in one (or more) « green » sector(s).
- They manufacture on African soil.
- They contribute to the "clean" industrialization of the African continent, the creation of sustainable jobs, the acquisition of know-how and the reduction of the carbon footprint of manufacturing activities.

- A growing number of African companies are positioning themselves in green sectors, playing the "Made in Africa" card.
- These leading companies have a pioneering role, showing the way for sustainable industrialization in African countries.
- They demonstrate that it is possible to manufacture competitively on African soil, especially when compared to manufactured goods imported from Asia.
- **It's important to publicize these "Leaders" and promote their activities.**

The « Observatoire Europe-Afrique 2030 » has set two objectives:

- Develop the « Directory of Green Manufacturing Leaders in Africa ». Identify and publicize companies, particularly those that generate high local added value.
- For each green sector, identify the value chain most conducive to profitable investment in Africa.

